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Electrical & Electronics Abstracts

Science Abstracts Series B
January-June 1982

Subject Index

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CONTENTS

Title page	i	Subject index	S1
Abbreviations and acronyms	iii		

SIX-MONTHLY INDEXES TO SCIENCE ABSTRACTS

Cumulative indexes to Science Abstracts are published twice a year covering the period January-June and July-December. They comprise author and subject indexes and some specialised or 'small' indexes. For Physics Abstracts and Electrical & Electronic Abstracts the Author Index and Subject Index are published as separate volumes. In this case the Small Indexes are included in the Author Index volume.

Cumulative Author and Subject indexes for preceding years are also available. For details please see inside back cover.

Subject Index

The Subject index provides an alphabetical subject key to the articles included in the abstracts journal. Some general guidance on its use is given below:

1. Look in the index for the name of the specific subject in which you are interested. In most cases this name will be a heading in the index and you will find relevant articles listed under it. The majority of the subject headings fall into the following catagories: property, phenomena, substance or named objects, instrument, device, theory, method, process, application, event.

2. Occasionally you will be directed from the subject heading chosen to a different heading under which the relevant or additional articles are listed.

3. If you do not find the subject heading you first chose, try a more general heading.

4. Each entry under the heading relates to an article appearing in the abstracts journal and gives the serial number of that article in the journal preceded by the last digit of the current year, e.g. 2 - 12345; i.e. Abstracts number 12345 in the abstracts journal for 1982.

The language of the article, if it is not in English, is also indicated, e.g. digital US tester develop. (Japanese) 2 - 11359.

Each entry starts with a Keyword or Keyphrase considered to be most relevant to the heading. On sorting these Keywords, the qualifying prefixes are usually ignored. (e.g. n-Ge is sorted under Ge.

There are four main Keyword lists; numerical 1-9, alphabetical A-Z, elementary particles, and chemical symbols (organic substances are written and not given as chemical formula). More than one Keyword list may be present under each subject heading.

Usually more than one access point is provided for each document. For document on, say, 'Coupling of optical data collection lines', three access points are provided. Under the heading 'Optical Fibres' and 'Optical Couplers', the Keyphrase will be 'data collection line' and under the heading 'Cable jointing', the Keyword will be 'Optical'.

Electrical & Electronics Abstracts

Science Abstracts Series B

January-June 1982

Subject Index

Electrical and Electronics Abstracts is published monthly by the Institution of Electrical Engineers. Twice-yearly subject and author indexes covering the period January-June and July-December are included in the subscription. Postmaster: Send address changes to INSPEC/IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. Second class postage paid at Piscataway, NJ 08854, USA. Printed by Pindar Print Limited, Scarborough, N. Yorkshire, England.

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Abbreviations and Acronyms

Abbreviations and acronyms are used in the modifiers in all INSPEC Cumulative Subject Indexes. Individual terms should be readily understood in the context of the subject headings. **Inorganic substances** are usually given by their chemical formulae. Iron and aluminium garnets appear in the formulae lists as MIG and MAG (where M is metal element, e.g. YIG and YAG); $(Pb,La)(Zr,Ti)O_3$ and $Ce_2Mg_3(NO_3)_{12}$ appear as PLZT and CMN respectively. **Organic substances** including **liquid crystals** are not given as formulae but common abbreviations are used.

ABS resin	acrylonitrile-butadiene-styrene
AC	alternating current
ACV	air cushion vehicle
A/D	analogue-to-digital
ADC	analogue digital conversion
ADP	administrative data processing
AE	acoustic emission
AEC	atomic electron correlation(s)
AES	Auger electron spectra(oscopy)
AF	audio frequency
AFC	automatic frequency control
AFL	abstract family of languages
AFMR	antiferromagnetic resonance
AGC	automatic gain control
AGR	advanced gas-cooled reactor
ALARA	as low as reasonably achievable
ALU	arithmetic logic unit
AM	amplitude modulation
APACHE	accelerator for physics and chemistry of heavy elements
APR	acoustic paramagnetic resonance
APS	appearance potential spectra(oscopy)
APW	augmented plane wave
ARMA	autoregressive moving average
ASCII	American standard code for information exchange
ATC	air traffic control
ATE	automatic test equipment
ATM	Axilrod-Teller-Moto
ATR	attenuated total reflection
ATWS	anticipated transients without scram
AVC	automatic volume control
BARITT	barrier injection transit time
BBEA	4-butoxybenzal-4'-ethylaniline
BBGKY	Bogoliubov-Born-Green-Kirkwood-Yvon
BCC	body centred cubic
BCD	binary-code decimal
BCS	Bardeen-Cooper-Schrieffer
BFO	beat-frequency oscillator
BH	buried heterostructure
BWO	backward wave oscillator
BWR	boiling water reactor
BWT	backward wave tube
CAD	computer aided design
CAE	computer aided engineering
CAI	computer assisted instruction
CAM	computer aided manufacturing
CARS	coherent antiStokes Raman scattering (spectra)
CATV	community antenna TV
CB	citizen band
CBI	computer based instruction
CBOOA	cyanobenzylidene octyloxyaniline
CCBA	coupled channel Born approximation
C-CD	charge-coupled device
CDFR	commercial demonstration fast reactor
CDI	collector diffusion isolation
CDM	code division multiplexing
CDW	charge-density wave
CEM	channel electron multiplier
CEPA	coupled electron pair approximation
CERN	Conseil Européen pour la Recherche Nucléaire
CESR	conduction electron spin resonance
CGTO	contracted Gaussian-type orbital
CHF	coupled Hartree-Fock
CI	configuration interaction
CIDEP	chemically induced dynamical electron polarisation
CIDNP	chemically induced dynamical nuclear polarisation
CIEH	charge iterated extended Huckel
CIHY	configuration interaction Hylleras
CMI	computer managed instruction
CMOS	complementary metal-oxide-semiconductor
CNC	computerised numerical control
CNDO	complete neglect of differential overlap
COC	cholesteryl oleyl carbonate
COM	computer output to microform (fiche or film)
COOB	4,4'-cyano-octyloxy-biphenyl
CP	charge, parity
CPA	coherent potential approximation
CPA	critical path analysis
CPM	critical path method
CPSK	coherent phase shift keying
CPT	charge, parity, time
CPU	central processing unit
CRO	cathode ray oscilloscope
CRSR	coherent resonant Stokes rotation
CRT	cathode ray tube
CS	coupled states
CSM	continuous slowing down models
CSRS	coherent Stokes-Raman spectra(oscopy)
CT	computerised tomography
CTR	controlled thermonuclear reactor
CVD	chemical vapour deposition
CW	continuous wave
D/A	digital-to-analogue
DAC	digital analogue conversion
DBMS	database management system
DBR	distributed Bragg reflector
DC	direct current
DDC	direct digital control
DIP	dual in-line package
DDL	diode-diode logic
DECENT	distribution of exact classical energy transfer
DESY	Deutsches Electron Synchrotron
DF	Dirac-Fock
DFB	distributed feedback
DH	double heterostructure
DIL	dual-in-line
DITE	divertor in torus experiment
DLTS	deep level transient spectra(oscopy)
DM	delta modulation
DMA	direct memory access
DMM	digital multimeter
DMOS	double diffused metal-oxide-semiconductor
DMSO	dimethylsulphoxide
DNA	deoxyribonucleic acid
DNMR	double nuclear magnetic resonance
DOBAMBC	p-decyloxybenzylidene p'-amino 2-methyl butyl cinnamate
DOD	different orbitals for different spins
DORIS	Dopple-ring-Speicher
DOS	disc operating system

DOVETT	double velocity transit time
DP	data processing
DPCM	differential pulse code modulation
DPPH	diphenylpicrylhydrazyl
DPSK	differential phase shift keying
DSC	differential scanning calorimetry
DTA	differential thermal analysis
DVM	digital voltmeter
DV-Xα	discrete variational Xα method
DWBA	distorted wave Born approximation
DWIA	distorted wave impulse approximation
E1,E2	electric dipole, quadrupole
E^{2}PROM	electronically erasable read-only-memory
EAROM	electronically alterable read-only-memory
EAS	extensive air shower
EB	exponential Born
EBBA	4-ethoxybenzylidene-4'n-butylaniline
EBIC	electron beam induced current(s)
EBR	experimental breeder reactor
EBT	Elmo Bumpy Torus
ECC	emergency core cooling
ECCM	electronic counter-counter measures
ECELR	epithermal critical experiment laboratory reactor
ECG	electrocardiography (-gram)
ECL	emitter coupled logic
ECM	electronic countermeasures
EDA	ethylene diamine
EDP	electronic data processing
EDTA	ethylene diamine tetra-acetic acid
EEBAC	ethyl-4-(4'ethoxy-benzylidene-amino) cinnimate
EEG	electroencephalography (-gram)
EELS	electron energy loss spectra(oscopy)
EEPROM	electrically erasable programmable read-only-memory
EFM	extended Flygare method
EFT	electronic funds transfer
EHD	electrohydrodynamics
EHF	extremely high frequency
EHP	electron-hole potential method
EHT	extended Huckel theory
EHV	extra high voltage
ELDOR	electron electron double resonance
ELF	extremely low frequency
EM	electromagnetic
EMC	electromagnetic compatibility
EMF	electromotive force
EMG	electromyography (-gram)
EMI	electromagnetic interference
EMP	electromagnetic pulse
ENDOR	electron nuclear double resonance
ENG	electronic newsgathering
EOF	end of file
EPEN	empirical potential energy function based on interactions of electrons and nuclei
EPMA	electron probe microanalysis
EPR	electron paramagnetic resonance
EPROM	erasable programmable read-only-memory
ERG	electroretinography (-gram)
ESCA	electron spectroscopy for chemical analysis
ESCAR	experimental superconducting accelerating ring
ESFI	epitaxial silicon film on insulator
ESS	electronic switching system
EUV	extreme ultraviolet
EW	electronic warfare
EXAFS	extended X-ray absorption fine structure
FAMOS	floating gate avalanche metal-oxide-semiconductor
FBR	fast breeder reactor
FCC	face centred cubic
FDM	frequency division multiplex(ing)
FDNC	frequency dependent negative conductance
FDNR	frequency dependent negative resistance
FEM	field emission microscopy
FET	field effect transistor
FFHR	fusion-fission hybrid reactor
FFT	fast Fourier transform
FFTF	fast flux test facilities
FIM	field ion microscopy
FIR	finite impulse response
FM	frequency modulation
FMIT	fission materials irradiation test facility
FMR	ferromagnetic resonance
FMSR	fast mixed spectrum reactor
FPT	finite perturbation theory
FPLA	field programmable logic array
FSK	frequency-shift keying
FSGO	floating spherical Gaussian orbitals
FTR	fast test reactor
GAMBIT	gate modulated bipolar transistor
GANIL	grand accelerateur national a ions Lourds
GCFR	gas-cooled fast breeder reactor
GCM	generator coordinate method
GDR	giant dipole resonance
GHF-NO-CI	generalised Hartree-Fock/natural orbital/ configuration interactions
GIAO	gauge-invariant atomic orbitals
GO	Gaussian orbitals
GOO	generalised Overhauser orbitals
GPM	ground potential model
GTO	Gaussian-type orbitals
GVB	generalised valence bond
HAM	hydrogenic atoms in molecules
HBAB	hexyloxybenzylidene-p' aminobenzonitrile
HBT	N-(p-hexyloxybenzylidene)-p-toluidene
HCDA	hypothetical core disruptive accident
HCP	hexagonal close packed
HEED	high energy electron diffraction
HEMP	high altitude electromagnetic pulse
HF	high frequency or Hartree-Fock
HFB	Hartree-Fock-Bogoliubov
HFER	hot fuel examination facility
HFIR	high flux isotope reactor
HFO	Hartree-Fock-Overhauser
HFS	hyperfine structure
HGMS	high gradient magnetic separation
HIXE	heavy ion induced X-ray emission
HLW	high level waste (radioactive)
HMO	Huckel molecular orbitals
HOAB	heptyloxyazoxybenzene
HOBHA	p-n-heptyloxy-benzylidene-p-n heptylaniline
HOMO	highest occupied molecular orbitals
HTGR	high temperature gas-cooled reactor
HV	high voltage
HVEM	high voltage electron microscopy
HWR	heavy water reactor
IAEA	International Atomic Energy Authority Agency
IBA	interacting boson approximation
IBM	interacting boson model
IBPBAC	isobutyl-4-(4'-phenylbenzylideneamino) cinnamate
IC	integrated circuit
ICDF	intermediate coupling Dirac-Fock
ICF	inertial confinement fusion
IDT	interdigital transducer
IEPA	independent electron pair approximation
IETS	inelastic electron tunnelling spectra(oscopy)
IF	intermediate frequency
IGFET	insulated gate field effect transistor

IIR	infinite impulse response
IKO	Institute v. Kernph Ouder Amsterdam
I^2L	integrated injection logic
I^3L	isoplanar I^2L
ILS	instrument landing system
IMPATT	impact avalanche transit time
INDO	intermediate neglect of differential overlap
INDOR	internuclear double resonance
ING	intense neutron generator
INO	iterative natural orbital
INTELSAT	international telecommunications satellite consortium
I/O	input/output
IOC-α	inclusion of the overlap charges in the omega
IPSS	international packet switching service
IR	infrared
IRDO	intermediate retention of differential overlap
IRS	information retrieval system
ISABELLE	intersecting storage and acceleration
ISFET	ion-sensitive field effect transistor
ISL	integrated Schottky logic
ISR	intersecting storage ring
ISX	impurity study experiment
ITC	ionic thermocurrents
ITEP	Institute of Theoretical and Experimental Physics
ITR	ignition test reactor
IU	Indiana University
IVO	improved virtual orbitals
JAERI	Japan Atomic Energy Research Institute
JET	Joint European torus
JFET	junction field effect transistor
JINR	Joint Institute for Nuclear Research
KEK	Japan National Laboratory for High Energy Physics
KKR	Korringa-Kohn-Rostoker
LAMPF	Los Alamos meson physics facility
LC	inductance-capacitance
LCAO	linear combination of atomic orbitals
LCBO	linear combinations of (semi-localised) band orbitals
LCD	liquid crystal display/device
LCGO	linear combination of Gaussian orbitals
LCP	large coil program
LCRO	linear combination of Rydberg orbitals
LEC	liquid encapsulated Czochralski
LED	light emitting diode
LEED	low energy electron diffraction
LEP	large electron positron
LET	linear energy transfer
LF	low frequency
LMC	Large Magellanic Cloud
LMFBR	liquid metal fast breeder reactor
LMTO	linear combination of muffin tin orbitals
LNG	liquified natural gas
LOCA	loss of coolant accident
LOCE	loss of coolant experiment
LOFT	loss of flow test facility
LPE	liquid phase epitaxy
LSA	limited space charge accumulation
LSD	local spin density
LSI	large-scale integration
LTE	local thermodynamic equilibrium
LUMO	lowest unoccupied molecular orbitals
LV	low voltage
LWBR	light water breeder reactor
LWR	light water reactor
MADO	Mulliken approximation for differential overlap
M1,M2	magnetic dipole, quadrupole
MBBA	4-methoxybenzylidene-4'-n-butyl-aniline
MBE	molecular beam epitaxy
MBPT	many body perturbation theory
MCD	magnetic circular dichroism
MCSCF	multiconfiguration self-consistent-field
MCPESCF	multiconfiguration paired excitation SCF
MCZDO	multi-centre zero differential overlap
MCX_α	multiconfiguration X_α
MEC	molecular electron correlation(s)
MEDO	multipole expansion of diatomic overlap
MESFET	metal-semiconductor field effect transistor
MF	medium frequency
MFP	mean free path
MHD	magnetohydrodynamics
MIC	microwave integrated circuit
MIDP	microwave induced delayed phosphorescence
MIEHM	modified iterative extended Huckel method
MIM	metal-insulator-metal
MIMD	multiple input multiple data
MIS	metal-insulator-semiconductor or management information system
MIT	Massachusetts Institute of Technology
MM	millimetre
MMF	magnetomotive force
MNOS	metal-nitride-oxide-semiconductor
MO	molecular orbitals
MOCIC	molecular orbital constraint of interaction coordinates
MOCVD	metal-organic chemical vapour deposition
MODPOT	model potential
MOS	metal-oxide-semiconductor
MOSFET	metal-oxide-semiconductor field effect transistor
MOST	metal-oxide-semiconductor transistor
MRD	multi-refrence double excitation
MRINDO	modified Rydberg INDO
MS	management science
MSI	medium scale integration
MSK	minimum shift keying
MSR	molten salt reactor
MSU	Michigan State University
MTBF	mean-time between failures
MTF	modulation transfer function
MTX_α	muffin-tin X_α
MUF	maximum usable frequency
MWPC	multiwire proportional chamber
NAL	National Accelerator Laboratory
NAND	not-and(logic)
NC	numerical control
NCMET	non-closed shell many electron theory
NDDO	neglect of diatomic differential overlap
NDT	nondestructive testing
NEMO	non-empirical molecular orbitals
NEVE	non-empirical valence-electron
NHS	National Health Service
NIC	negative impedance convertor
NMOS	N-channel metal-oxide-semiconductor
NMR	nuclear magnetic resonance
NMR-ON	NMR on oriented nuclei
NNNDO	neglect of non-neighbour differential overlap
NOR	not-or(logic)
NQR	nuclear quadrupole resonance
NRC	nuclear regulatory committee
NRM	natural remanent magnetisation
NSSS	nuclear steam supply system
NTO	natural transition orbitals
OCR	optical character recognition
ODMR	optical detection of magnetic resonance
OEM	original equipment manufacture
OER	oxygen enhancement ratio

OPHF	orbital polarised Hartree-Fock
OPW	orthogonal plane wave
OR	operations research
ORELA	Oak Ridge electron linear accelerator
ORNL	Oak Ridge National Laboratory
OS	operating system
OTEC	ocean thermal energy conversion
OTF	optical transfer function
PAA	paraazoxyanisole
PABX	private automatic branch exchange
PAC	perturbed angular correlation
PAHR	post accident heat removal
PAM	pulse amplitude modulation
PAP	paraazoxyphenetole
PBF	power bursts facility
PBR	pebble bed reactor
PBX	private branch exchange
PC	printed circuit
PCAC	partially conserved axial currents
PCB	printed circuit board
PCES	phase change energy storage
PCGVB	pairwise correlated generalised valence bond
PCILOCC	perturbative configuration interaction using localised orbitals for crystal calculation
PCM	pulse code modulation
PCRV	prestressed concrete reactor vessel
PCX	plasma confinement experiment
PDX	poloidal divertor experiment
PEP	positron electron proton
PET	polyethylene terephthallate
PETRA	positron electron tandem ringbeschleuniger anlage
PF	power factor
PFM	pulse frequency modulation
PFR	prototype fast reactor
PHWR	pressurised heavy water reactor
PID(PI,PD)	proportional+integral+differential (derivative)
PIXE	proton induced X-ray emission
PLA	phase locked arrays or programmable logic array
PLBR	prototype large breeder reactor
PLC	programmable logic control
PLL	phase locked loops
PLT	Princeton Large Torus
PM	pulse modulation
PMMA	polmethyylmethacrylate
PMDR	phosphorescence microwave double resonance
PMOS	P-channel metal-oxide-semiconductor
PMR	proton magnetic resonance
PNDO	partial neglect of differential overlap
PNO-CI	pair natural orbital configuration interaction
POL	pair orthogonalised Lowdin
POPAE	protons on protons and electrons
POPOP	phenyl-oxazolyl-phenyl-oxazolyl-phenyl
POS	point of sale
PPDP/S	Pariser-Parr-Del Bene-Pople/Segal calculations
PPI	plan position indicator
PPM	pulse position modulation or parts per million
PPP	Pariser-Parr-Pople
PRDDO	parial retention of diatomic differential overlap
PRF	pulse recurrence (repetition) frequency
PROM	programmable read-only-memory or Pockels readout optical modulator
PS	proton synchrotron (CERN)
PSK	phase shift keying
PTFE	polytetrafluoroethylene
PTM	pulse time modulation
PVC	polyvinyl chloride
PWA	partial wave analysis
PWB	printed wiring board
PWBA	plane wave Born approximation
PWIA	plane wave impulse approximation
PWM	pulse width modulation
PWR	pressurised water reactor
QCD	quantum chromodynamics
QDMBPT	quasi-degenerate many-body perturbation theory
QED	quantum electrodynamics
QPSK	quaternary phase shift keying
RAM	random access memory
RBE	relative biological effectiveness
RC	resistance-capacitance
RCNDO	Rydberg CNDO
RCS	rapid cycling synchrotron
R & D	research and development
RF	radio frequency
RFI	radio frequency interference
RG	renormalisation group
RHEED	reflection high energy electron diffraction
RHF	restricted Hartree-Fock
RINDO	Rydberg INDO
RKKY	Rudermann-Kittel Kasuya-Yosida
RLC	resistance-inductance-capacitance
RMS	root-mean-square
RNA	ribonucleic acid
ROM	read-only memory
RPA	random phase approximation
RPAE	random phase approximation with exchange
RPM	relaxation potential model or revolutions per minute
RTG	radioisotope thermoelectric generators
SACCI	symmetry adapted cluster configuration interaction
SAMO	simulated ab initio molecular orbitals
SAW	surface acoustic waves
SCC	stress corrosion cracking
SCF	self consistent field
SCL	space charge limited
SCPT	self consistent perturbation theory
SCR	silicon controlled rectifier
SDM	space division multiplexing
SDO	shielded diatomic orbitals
SEHF	spin extended Hartree-Fock
SEM	scanning electron microscope
SFE	solar-flare effect
SGEMP	system generated electromagnetic pulse
SGHWR	steam generating heavy water reactor
SHF	superhigh frequency
SHG	second harmonic generation
SIMS	secondary ion mass spectra(oscopy)
SIN	Swiss Institute of Nuclear Research
SINDO	scaled INDO
SISAM	spectrometer with interference selective amplitude modulation
SIT	static induction transistor
SMC	Small Magellanic Cloud
S/N	signal-to-noise
SOG	strongly orthogonal geminal
SOS	silicon on sapphire
SPA	separated pair approximation
SPC	stored program control
SPEAR	Stanford positron electron asymmetric ring
SPHF	spin polarised Hartree-Fock
SPIN-CIPSI	spin symsmetry adapted generalisation of CIPSI
SPS	super proton synchrotron (CERN)
SREMP	source region electromagnetic pulse
SQUID	superconducting quantum interference device
SRMCASE	symmetry-restricted-multiconfiguration annihilation of single excitations
SSB	single sideband

SSBW	surface skimming bulk wave
SSC	sudden storm commencement
SSI	small scale integration
SST	supersonic transport
STD	salinity-temperature-depth or subscriber trunk dialling
STEC	solar thermal energy conversion
STEM	scanning transmission electron microscopy
STO	Slater-type orbitals
STOL	short take-off and landing
STP	Slater-transfer Preuss
SW	short wave
SWR	standing wave ratio
SXAPS	soft X-ray appearance potential spectrum
TBBA	terephthal-butylaniline
TCNE	tetracyanoethylene
TCNQ	tetracyanoquinodimethane
TCR	temperature coefficient of resistance
TDHF	time dependent Hartree-Fock
TDM	time division multiplex(ing)
TDMA	time division multiple access
TDPAC	time differential perturbed angular correlation
TDS	thermal desorption spectra(oscopy)
TE	transverse electric
TEA	transversely excited atmosphere
TEGFET	two-dimensional electron gas field effect transistor
TEM	transverse electromagnetic or transmission electron microscopy
TEXT	Texas Experimental Tokamak
TFTR	Tokamak fusion test reactor
TGA	thermogravimetric analysis
TGFB	triglycine fluoroberyllate
TGS	triglycine sulphate
TGSe	triglycine selenate
TJS	transverse junction stripe
TLD	thermoluminescent dosimeter(-ry)
TM	transverse magnetic
TMI	Three Mile Island
TMMC	tetramethylammonium manganese chloride
TMMTSF	tetramethyltetraselenofulvalene
TMTTF	tetramethyltetrathiofulvalene
TOP	transient overpower accident
TNS	The next step
TRAPATT	trapped plasma avalanche triggered transit
TREAT	transient reactor test facility
TRM	thermoremanent magnetisation
TSC	thermally stimulated currents
TSEE	thermally stimulated exo-electron emission
TTF	tetrathiofulvalinium
TTL	transistor transistor logic
TTT	tetrathiotetracene
TUCA	transient undercooling accident
TV	television
TW	travelling wave
TWT	travelling wave tube
UART	universal asynchronous receiver/transmitter
UCHF	uncoupled Hartree-Fock
UHF	ultra high frequency or unrestricted Hartree-Fock
UHPS	underground hydroelectric pumped storage
UHV	ultra high voltage
UKAEA	United Kingdom Atomic Energy Authority
ULA	uncommitted logic array
ULF	ultra low frequency
UMD	unitised microwave devices
UPS	ultraviolet photoelectron spectra
US	ultrasonic
UV	ultraviolet
VAD	vapour phase axial deposition
VB	valence bond
VCR	video cassette recorder
VDM	vector dominance model
VDU	visual display unit
VHF	very high frequency
VLBI	very long base line interferometry
VLF	very low frequency
VLSI	very large scale integration
VMOS	vertical channel metal-oxide-semiconductor
VOR	VHF omnidirectional range
VPE	vapour phase epitaxy
VRC	visual record computer
VRDDO	variable retention of diatomic differential
VS	virtual storage
VSB	vestigial sideband
VSEPR	valence shell electron pair repulsion
VSWR	voltage standing wave ratio
VTOL	vertical take-off and landing
VTR	voltage transformation ratio or video tape recorder
VUV	vacuum ultraviolet
VVER	water moderated water cooled reactors
WKB	Wentzel-Kramers-Brillouin
WP	word processing
WWER	water moderated water cooled reactors
XPS	X-ray photoelectron spectra
ZEBRA	zero energy breeder reactor assembly
ZGS	zero gradient synchrotron
ZPPR	zero power plutonium reactor

Subject Index

1/f noise *see random noise*

A-centres
alkali halides, Tl^+-doped, F_A-type centre broadly tunable CW laser operation, optical props. 2−15491
lasers using F_A(II), F_B(II) centers, flashlamp excitation 2−6202
$NaF(F_2^+)_A$ laser, stimulated emission 2−25758
n-Si, neutron and 2 MeV electron damage, comparison by DLTS 2−5530

A/D conversion *see analogue-digital conversion*

abacs *see nomograms*

aberrations
aberrations in optics and particle optics only
see also lenses; optical instrument testing; particle optics
acoustic microscopy of solids, mechanically scanned B-scan system 2−3640
acoustic microscopy of solids, mechanically scanned B-scan system 2−7452
astigmatic ray pencil reconstruction from holograms 2−20973
astigmatic system for optical transformation of coordinates 2−2386
broad-range particle spectrograph 2−3428
chromatic aberration of lens for LSI photolithography projection printing, influence on contrast 2−9691
circular machines, chromatic aberration correction schemes 2−3316
corrected mag. prism spectrometer for electron microscopy 2−9384
diffraction gratings, holographically recorded, aberration corrected 2−2050
dye laser, CW, with phase-conjugate mirror, longit. modes and aberration-correction props. 2−15477
echelle and holographic grating comparison for scatt. and spectral resolution 2−2030
electron lenses, stigmator circuit for independ. control of corrector amplitude and orientation 2−5526
electrostatic ion optics and beam transport for ion implantation 2−2091
holographic elements, wavelength scaling, generation technique 2−2041
holographic storage device in single-hologram-recording mode of operation, aberrations influence 2−2054
holography, Dennis Gabor memorial symposium, Haifa, Israel (Mar. 1980) 2−18850
image convertor, high voltage magnetically focused, aberrations and transverse field effects 2−22160
intracavity adaptive optic compensation of phase aberrations, passive small equiv. Fresnel no. resonator 2−10309
IR imaging systems, aberration correction method for thin achromat 2−20703
laser beam transforming optical system, induced aberration correction in design 2−1988
laser optical system error sensing using scattered light 2−25816
lens aberration determination using holographic interferograms of pupils recorded for two points on image plane *(French)* 2−25866
lens coupling in fibre optic devices, efficiency limits 2−1686
magnetic spectrograph ion-optical system, induced aberrations optimisation 2−3431
mass spectrometer using mag. and elec. sector fields, ion optics 2−3433
particle optics, aberration studies and computer algebra 2−2086
photoelectron microscope, space-charge aberrations 2−1138
projection TV distortion correction requirements 2−21954
quadrupole lenses elec. rotation 2−6303
rainbow holography, one step, astigmatic technique 2−25870
RATAN-600 radiotelescope radiation pattern allowing for aberrations 2−16536
sector magnet, second order image aberration meas. 2−3317
GaAlAs DH diode laser wavefront meas. and anal. 2−15532
Nd:glass laser, aberration cancellation by wavefront inversion, appl. to plasma diagnostics 2−10281

abrasion
see also hardness; wear
gas turbines, coal-burning, research advances in erosion prediction and reduction 2−12511
hybrid ICs, abrasive trimming technology 2−14541
IC, liquid cooled, packaging improvement 2−24000
metal coating for electrical contacts, tribology 2−19912
microabrasive blasting, for insulation removal 2−15062
O-ring wear test machine 2−648
CdTe, surface polishing by diamond milling 2−25157
Si, influence of O_2 on wear 2−5701

abrasive wear *see abrasion*

absolute pressure measurement *see pressure measurement*

absolute temperature *see temperature*

absorbers (surge) *see surge protection*

absorption spectra *see spectra*

absorption wavemeters *see wavemeters*

a.c. generators
see also asynchronous generators; synchronous generators
6 MVA superconducting generator, features and economic advantages *(Japanese)* 2−12594
10 MVA AC supercond. generator, HV armature insulation system 2−5981
aircraft electrical generating system appls. 2−12040
brushless, 4 and 6 pole, Meidensha's OHTAS series 2−12593
causes for disruption of equilibrium stability of hydroelectric generator cores 2−18170
Chibro power station, generator bearing failure 2−18051
distribution among bus and switch structures for various voltages at power plants 2−27407
generating sets for power and water supply in Sudanese desert 2−8128

a.c. generators continued
grounding of generators connected to industrial plant distribution buses 2−17764
helical windings with 120 degree phase bands, mag. fields and inductances determ. 2−4024
hydroelectric generator earth fault protection *(Russian)* 2−4021
hydrogenerator operation, dynamic stability *(Rumanian)* 2−27781
hydrogenerators, TWINTONE bar/slot interface, maximisation of benefits of modern HV stator ground insulation 2−23264
power oscillations *(Dutch)* 2−27880
rotation frequency relay for hydrogenerator, performance evaluation 2−17774
stator winding mechanical stress determination through model tests *(French)* 2−18169
superconducting, quench simulation 2−4027
superconducting, self-regulating transfer modes of liq. He to rotor 2−4020
three-phase sinusoidal voltage generator for use with AC motor drive systems, construction and principles *(Polish)* 2−7814
water cooled elec. generators, cooling system and corrosion elimination *(German)* 2−12585
waterwheel generators, stator insulation systems, monitoring 2−23265

a.c. machines
see also a.c. generators; a.c. motors; asynchronous machines; synchronous machines
50 Hz rotating superconducting magnet for screening studies 2−1651
form wound AC stator windings, insulation systems, voltage life testing 2−23266
hard permanent magnet development trends and their application to AC machines, review 2−15213
high efficiency motors, technology, characts. 2−12589
loading of large machines at heat-run by power swinging 2−4046
magnetic fields determ. 2−4023
multi-poled AC coil, force on cylinder placed eccentrically in magnetic field *(German)* 2−27858
saturated AC machines, generalised anal. 2−4019
stability, effect of static compensators *(French)* 2−23256
variable speed electric drives using electronic switching control 2−18641

a.c. motors
see also capacitor motors; commutator motors; induction motors; synchronous motors
AC drives, adjustable speed, technology status review 2−28147
amorphous magnetic ribbon, evaluation in elec. devices 2−15137
chopper supply of motors with Steinmetz connection *(Hungarian)* 2−18161
circuits, characts. and appls. *(Dutch)* 2−7868
contactless motor with transistorised commutator, math. model 2−4034
controller for AC motors, Allspeeds Series 2000 2−4030
drives, 12-step current source invertor *(Korean)* 2−4289
efficiency versus cost, discussion 2−12592
electric motor drives for offshore oil and gas platforms, design problems 2−23661
motor control, AC replacements for DC drives 2−8031
permanent magnet AC machines, transient performance 2−18178
permanent magnet polyphase AC motors, methods of testing 2−18177
pump with pony motor, reliability in flow system 2−12964
reference information 2−7812
regulated drives, present state and development trends survey *(German)* 2−4393
rotary current propulsion with frequency inverters *(German)* 2−27863
service factor motor selection 2−7810
speed control and regulation using microcontrollers *(German)* 2−18163
submersible AC pump-motor aggregates coupled to photovoltaic array via DC-AC convertor, efficiency improvements 2−18521
three-phase sinusoidal voltage generator for use with AC motor drive systems, construction and principles *(Polish)* 2−7814
thyristor converters for three-phase motors *(German)* 2−23357
traction motor, LV, insulation meas. using partial discharge instrum. *(Japanese)* 2−4036
types, characts., and appls. in household appliances 2−4022
valve actuators, motor selection 2−18168
variable speed controller characts. 2−12674
variable speed drives and brushless commutator motor 2−4258
vertical motors, lower guide bearing maintenance 2−12596

a.c. network analysers *see network analysers*

acceleration
see also acceleration control; acceleration measurement; accelerometers
electric vehicle, torque-speed characteristics, evaluation method *(Russian)* 2−23685

acceleration control
see also acceleration measurement
DC motor braking, pseudo-bipolar PWM switching 2−696

acceleration measurement
see also acceleration control
dynamic angular accel. and torque measurement methods *(German)* 2−22399
industrial sensors and transducers for monitoring and regulation *(German)* 2−3294
shock parameters meas. with noncontacting fibre optic lever vibration transducers 2−11444
transient acceleration signals, errors in computing velocity and displacement 2−3279
vibration environments simulation, strapdown inertial navigation development 2−17499

accelerators (particle) *see particle accelerators*

accelerometers
see also acceleration measurement
aircraft inertial measurement units, fault detection 2−17494
back-to-back, absolute interferometric calibration, vibration standard appl. 2−22039
calibration methods to determ. circuit transfer function 2−3030
fibre-optic accelerometer with hydrophone appls. 2−5989
micromechanical accelerometer integrated with MOS detect. circuitry 2−22233
seismic accelerometers, selection guidelines for high-resolution appls. 2−17556
submarine vibration and strain measurement instrumentation with an automatic self-test feature 2−22098
Si integrated microbeam PI-FET 2−22234

accidents
see also electric shocks; explosions; safety
biomedical equipment international standards and safety status, trends and evaluation 2−27110
BWR blowdown emergency core cooling programme, 64 rod bundle blowdown heat transfer phase, test results 2−17902
commercial power plants, nuclear regulating requirements sources 2−7624
electric accidents and first aid *(German)* 2−18946
electric motors, selection for operation in explosive environments *(Polish)* 2−23262
electrical accidents in France *(French)* 2−23965
electrical hazards−psychology and behaviour *(Italian)* 2−23960
electrical hazards and monitoring during biomedical diagnosis 2−27109
EPRI nuclear fuel-cycle accident risk assessment 2−12339
flammable liquid spills in power plants, cable fire risk conditions 2−23971
large scale vacuum impregnation process, uncontrolled exothermic reaction, mechanism, consequences 2−18960
LMFBR accidents, escaping radioactive effluent effects *(Italian)* 2−12390
LWR, steam explosion following postulated core meltdown accident, containment failure anal. 2−12389
LWR accidents, consequences and effects *(Dutch)* 2−7649
LWR containment vessel improvement concepts, review 2−17903
LWR safety program, Mod-3 results review 2−12340
machine protection, scientific, practical and regulatory aspects *(French)* 2−23238
nature of physiological effects of electric current 2−27108
nuclear power plants, accidents, operators' liability for compensation, in France *(French)* 2−7631
nuclear reactor accident, aerosol coagulation, deposition and leakage, scale modelling 2−7643
nuclear reactor accident consequence analyses, computer codes 2−3865
nuclear reactor accident consequence analyses, computer codes 2−7679
olds, F.C. 2−3852
prevention of accidents in prefabricated cabinets and panels for medium voltage appls. *(Italian)* 2−13237
PWR, bubble detection and level meas. in main coolant ccts. using ultrasonic transducers *(German)* 2−12400
PWR with tight-lattice core using UO_2-PuO_2 and very low water volume fraction, response to loss-of-coolant accident 2−12394
radioactive fallout following nuclear accident, realistic assessment *(French)* 2−7678
risk assessment in relation to major hazards 2−4628
risk of electrical danger in medicine, conf. RELMED 1981 2−27121
space nuclear power, US flight safety process overview 2−7399
Three Mile Island, reported human error factor, a counter argument *(German)* 2−17834
TMI-2, core temp. transient in early phase of core uncovering 2−3863
TMI-2 accident, thermal-hydraulic and core-damage anal. 2−17835
TV antennas accident prevention during placement on roof *(German)* 2−21934
Westinghouse J-loop loss-of-coolant accident test facility 2−3868

accommodation coefficient *see sorption*

accounts data processing
stored value card systems for telephone call pre-payment 2−10771

accumulation layers
semiconductor-multilayer dielec. coating struct., field effect cond. at enriching voltages *(Russian)* 2−25095
Si-SiO_2-Al structure, Fowler-Nordheim electron tunnelling 2−14710
Si-SiO_2-Al structures, electron tunnelling 2−9503

accumulators *see secondary cells*

acoustic analysis
spectral analysis, dual-channel 2−2358

acoustic applications
see also ultrasonic applications
dielectric partial discharge monitoring, electrical and acoustic detect. computer-controlled data acquisition 2−11399
fatigue crack initiation, assessment by acoustic emission 2−8884
incipient failure detection using HF acoustic emission technology on rotating machinery and process plants 2−12120
ocean acoustic tomography, tidal anal. of intermittent acoustic obs. 2−17565
traffic signals, acoustic warning system *(Czech)* 2−12117

acoustic arrays
adaptive array antennas, new design method 2−26062
adaptive beamforming system, limit resolution ability and dynamic range of optimum weighting coefficients 2−16516
adaptive noise cancellation with wanted signal leakage 2−27311
adaptive receiving array interference nulling schemes compared 2−27308
convolution arrays, generalised time/space approach 2−26142
deep water acoustic ranging system modelling, algorithmic implementation and performance 2−26554
digital deep-towed hydrophone array 2−16524
directional transducer array, sidelobe suppression, design considerations 2−17591
linear arrays, directivity improving factors 2−22751
multidimensional constrained lattice processor for passive sonar adaptive arrays 2−26553
narrowband adaptive array processing and beamforming 2−27309
optimal beamformer response to source with all-pole angular power density spectrum 2−26147
parametric acoustic arrays, applns. in oceanographic research 2−17572
passive listening adaptive array spatial resolution improvement 2−26145
passive sonar array processing in nonstationary random fields 2−26146
performance analysis utilizing selective sensor exclusion 2−17592

acoustic arrays continued
phased array microphone by charge transfer device 2−12099
random sonobuoy array statistical props. and beam patterns 2−27310
real-time US receiving system, monolithic array transducer, microcomputer for data acquisition *(Japanese)* 2−12098
sonar, line array response patterns, effect beamformer time delay sampling errors 2−26560
sonar array transducer and hydrophone design and construction 2−26551
time delay estimation for multipath propagation 2−26141
time-domain adaptive array processing and beamforming recursive algorithms 2−26140

acoustic delay lines
see also ultrasonic delay lines
SAW, variable delay line using voltage controlled air gap 2−25405
transient response analysis 2−22457
AlN on Si SAW devices 2−15090

acoustic detectors *see acoustic transducers*

acoustic devices
see also acoustic delay lines; acoustic generators; acoustic microscopes; acoustic microwave devices; acoustic parametric devices; acoustic radiators; acoustic receivers; acoustic resonators; acoustic transducers; bells; surface acoustic wave devices; ultrasonic devices
coupler marketability as microcomputer data communication device 2−21582
pistonphone, with linearised response 2−17594

acoustic dispersion
see also ultrasonic dispersion
No entries

acoustic echoes *see echo*

acoustic emission
see also ultrasonic materials testing
alloy, precipitation strengthened, AE from dislocation motion 2−13889
brittle creep rupture detection at welds by AE 2−19470
ductile creep rupture detection at welds by AE 2−19471
elastic waves and microstruct., conf., Oxford, England (Dec. 1980) 2−13875
fatigue crack initiation, assessment by acoustic emission 2−8884
magnetomechanical acoustic emission, NDT internal stress meas. 2−625
material flaws assessment, acoustic emission analysis appls. 2−17619
monitoring of fossil fuel power plants, critical assessment 2−18003
polyethylene, tree growth, acoustic emission meas. 2−15044
steel, cleavage controlled instability monitoring by AE 2−13871
steel, low alloy, medium- and high-strength, AE during ductile fracture, effect of proof stress, composition and microstruct. 2−13880
steel, mild and structural, AE associated with fracture processes 2−13876
steel, Mn, ferritic, AE during crack growth, sources 2−13878
steel, Ni (3.5 wt.%), AE during deform. and fracture, microstruct. effect 2−13879
steel, pressurised water reactor, review of AE appl. 2−8870
steel, stainless 304, corrosion fatigue and AE anal. *(Japanese)* 2−24344
steel, stainless 304 and 21-6-9, unflawed, AE under biaxial stresses 2−13882
steel, structural and weldments, AE rel. to deform. and fracture 2−13877
stress corrosion cracking monitoring, of stainless steel and brass 2−19482
superconducting magnets, acoustic emission and its diagnostic potential 2−9959
superconducting magnets, acoustic emission as diagnostic tool 2−1643
waveform analysis 2−8860
Al and Al alloys 7075 and 7050, AE during tensile and compressive deform., microstruct., effect 2−13891
Al and alloys, AE during deform., microstruct. effect 2−13890
Fe-C alloys and structural steel, AE during tensile tests 2−13881
InGaAsP-InP laser, current injection induced acoustic signals 2−1952
Si:H, amorphous, p-i-n junctions, photoacoustic emission 2−25052

acoustic equipment
see also acoustic arrays; ultrasonic equipment
room acoustics, digital simulation system *(German)* 2−27319
traffic signals, acoustic warning system *(Czech)* 2−12117
Y-t recorder, microprocessor-controlled 2−16810

acoustic field
conical US radiators for medical imaging, acoustic field calc. 2−27313
microphone calibration, secondary method for meas. of response curve, free and semireverberant fields 2−6976

acoustic generators
see also earphones; loudspeakers; photoacoustic effect
car lights warning alarm, circuit description 2−13043
dynamic axial generator acoustic efficiency rel. to rotor and stator hole shape 2−7458
electroacoustic emitters, directivity, characterisation 2−7456
electronic sound generator cct. using Schmitt trigger ICs for simulation of chirping of canaries 2−6953
exploding-wire underwater electroacoustic generator construction 2−3650
Langevin type vibrators design *(Korean)* 2−3643
multiple sound effects generator based on single IC 2−6954
SAW, optical generation of 76 MHz waves on YZ $LiNbO_3$ 2−25406
short duration acoustic signal generation, impulse techniques 2−3644
three-pole, with delay lines with surface acoustic waves *(Bulgarian)* 2−9842

acoustic holography
B-scan resolution enhancement using Fourier transform holography 2−8903
basic principles and appls. *(Spanish)* 2−22763
objects immersed in water, imaging apparatus 2−7453
optical observation of acoustic waves and electrical characteristics in $LiTaO_3$ SAW devices 2−15099
pressure vessel inservice inspections using acoustic holography methods 2−127
principles and appl. *(Spanish)* 2−3657
pulsed US radiation transmission *(Spanish)* 2−27322
recording and retention, full view, real-time 2−17612
spatial replication in back-propagated acoustic holograms 2−27320
stress meas., acoustic holographic interferometry appl. 2−8896

acoustic imaging
see also acoustic holography
6-bit monolithic video flash A/D convertor 2−24566
arched interdigital transducer, longitudinal acoustic waves 2−3651
computer reconstruction techniques in compound scan pulse-echo imaging 2−11908
false-colour acoustic micrographs 2−12096

acoustic imaging continued
focused probes for US detection, imaging and sizing of flaws 2−8899
image processing by two-dimensional digital filtering 2−26148
long wavelength system, depth of field improvement 2−12095
metal, synthetic aperture US imaging 2−8898
microscopy of solids, mechanically scanned B-scan system 2−3640
microscopy of solids, mechanically scanned B-scan system 2−7452
NDT appl. 2−8897
noise source locating system for industrial plant environment 2−7242
optoacoustic transducer, multilayer planar design, resolution calc. 2−6070
phased array acoustic imaging transducer, construction and performance 2−27315
synthetic tomography, computer evaluation, ultrasound imaging using multi-element transducers 2−27312
textural variations in B-mode ultrasonography, a stochastic model 2−12118
US, 3-dimens. image reconstruction 2−12116
US B-scan Doppler imaging system for scanning peripheral anatomy 2−27157
US B-scan images, resolution enhancement by deconvolution 2−27132
US images, lateral resolution improvement 2−22764
US imaging, two transducer test bed 2−8904
US transducer, Lamb wave eigenmodes of vibr. in terms of transducer thickness-to-width ratio 2−22758
US wave visualisation of waves launched by PVF_2 film transducer 2−22754
wide-band reflection-mode US attenuation imaging system, preliminary results 2−17613
$LiNbO_3$, Y collinear acoustooptic filter, acoustic transducer imaging 2−25560

acoustic impedance
see also acoustic wave velocity
US, level sensor for cryogenic liquids 2−22225
US piezoelectric transducers, sensitivity meas. *(Russian)* 2−22760

acoustic insulating materials *see noise abatement*

acoustic intensity
see also acoustic noise; loudness
automatic speaker recognition, measuring of contours of intensity and fundamental period of speech *(German)* 2−6416
Delta Stereophony, directional sound transmission for large auditoriums, sound intensity distrib. *(French)* 2−22029

acoustic intensity measurement
car noise evaluation, digital equipment for real time sound intensity meas. 2−26751
diesel engines, comparison of noise source identification techniques 2−11682
electric machines, sound power level nearfield meas. method 2−11676
integrating sound-level meter 2−17028
pulsed US field intensity meas. using miniature hydrophone calibrated by simplified technique 2−17603
sound level meter, 30 dB to 120 dB range, fast/slow response to 'A' weighting curve 2−3642
sound level meters, plug-in concept, IEC 651 meas. standard 2−12097
sound pressure meter, 50 to 110 dBA range 2−3185
Y-t recorder, microprocessor-controlled 2−16810

acoustic measurements *see acoustic variables measurement*

acoustic microscopes
acoustic material signatures using the reflection acoustic microscope 2−8907
alloy spike detection and charact. in power transistors using trans. acoustic microscopy 2−8910
basic techniques, introduction 2−12100
coherent techniques 2−8906
differential phase contrast, for improved meas. stability 2−27305
false-colour acoustic micrographs 2−12096
hybrid microelectronic appl. of acoustic microscopy 2−8909
image processing with acoustic microscope with IEEE 488 bus *(French)* 2−16854
instrument for selective modification of planar circuits 2−1406
mechanically scanned *B*-scan system for acoustic microscopy of solids 2−3640
mechanically scanned *B*-scan system for acoustic microscopy of solids 2−7452
scanning, principle, developments and appl. 2−3645
scanning laser acoustic microscope, operational details and appls. 2−7454
scanning laser acoustic microscope examination of solar cells and solar cell welds 2−18582
scanning ultrasonic, 100-300 MHz, wave gathering device using ZnO membrane *(Japanese)* 2−17605
surface flaw charact. using acoustic microscopy 2−8908
$LiNbO_3$-water boundary, propag. charcts. of leaky SAWs meas. by acoustic microscope 2−20448

acoustic microwave devices
see also acoustic transducers; surface acoustic wave devices
bulk acoustic wave composite resonators, low temp. coeff. 2−25407
frequency-dispersive SAW filters, used for radar pulse compression *(German)* 2−20478
spectrometer for investigation of hypersound absorption in liquids at frequencies of approx. 10 GHz 2−7455

acoustic noise
400 kV power transformers, metalclad, for power system, in France, noise levels *(French)* 2−23340
airport noise zone limits determ. using acoustic modelling *(Hungarian)* 2−3572
audio equipment, noise suppression systems *(German)* 2−22020
electric power plant environmental noise guide 2−17791
helicopter rotor impulsive noise, anechoic wind tunnel expts. 2−22615
induction motor, vibration and noise charcts. calc. 2−7845
noise reduction systems review, Telefunken High-Com system 2−2978
nuclear power plants, environmental noise prediction and optimization of noise abatement measures 2−7638
nuclear power stations, noise and vibration problems and measures *(Czech)* 2−7625
power station noise sources, acoustical characteristics 2−7593
reciprocating machines, noise and vibration analysis using triggered FFT method 2−4975
steam power station, vibration problems due to low frequency noise 2−7734
Te, Y-cut, total saturation of current 2−24950

acoustic noise measurement
acoustoelectric transmission system, noise level meas. and noise level standards *(German)* 2−11278
air conditioning and ventilation equipment, noise meas. rating and prediction methods guide 2−3302
aircraft noise control test facilities at Douglas Aircraft Company, USA 2−11988
aircraft noise identification system for inflight position detector 2−11124
building acoustics analyzer type 4417 noise level meas. 2−26998
CEL 160, microprocessor controlled chart recorder, appl. to noise measurement *(German)* 2−3189
cepstrum analysis theory and appl. 2−10684
convertor substation, noise source identification by FFT anal. 2−12704
diesel engines, comparison of noise source identification techniques 2−11682
dual-channel FFT meas. 2−17128
electric machines, conf. at Athens, Greece, 1980 2−23240
electric machines, sound power level nearfield meas. method 2−11676
electric motor, method *(Russian)* 2−26996
engine diagnostics using noise and vibration meas. 2−11680
gyroscope, space-qualified, noise meas. and anal. 2−7378
impulse noise, errors in meas. using automated monitoring instrumentation 2−11679
impulse noise, fluctuating, peak level detection 2−11678
impulsive noise: determination of sound power using reverberation room methods 2−11677
in-flight jet engine noise measurement system 2−22627
industrial plant environment, noise source locating system 2−7242
nuclear VVER reactors internal vibration monitoring and control *(Czech)* 2−26993
PE digital precision sound meter DP700, using AD636 2−3204
pneumatic peening hammer, noise source identification 2−11681
power networks, audio frequency interference spectrum, continuous component meas. *(Russian)* 2−27589
power networks, interference spectrum at sonic freqs., continuous component meas. *(Russian)* 2−27588
power transmission lines, AC corona noise investigation 2−3768
pumps, cavitation noise meas. techniques 2−17189
quiet valves, practical considerations in noise testing 2−7241
reluctance motor, EM meas. 2−4069
ship radiated noise, use of averaged power spectrum for recognising objects 2−22448
small induction motor 2−4252
sound level meter, 30 dB to 120 dB range, fast/slow response to 'A' weighting curve 2−3642
wind turbine, methods 2−11683

acoustic parametric devices
nonlinear piezoelectric effect in crystals with presence of reflection, acoustic wave propag. 2−5847
programmed parametric speech synthesizer 2−21308

acoustic radiators
see also acoustic generators; Doppler effect
conical US radiators for medical imaging, acoustic field calc. 2−27313
underwater acoustic electro-ceramic projector radiated pressure control by state variable feedback 2−27316

acoustic reactance *see acoustic impedance*

acoustic receivers
see also microphones
adaptive signal detection in fluctuating noise, general detection and estimation theory 2−26138
real-time US receiving system, monolithic array transducer, microcomputer for data acquisition *(Japanese)* 2−12098
SAW device applications in analogue chirp transform correlator and microscan receiver systems 2−1542
SAW technology for freq. sorting receivers 2−1541

acoustic resistance *see acoustic impedance*

acoustic resonators
bulk acoustic wave composite resonators, low temp. coeff. 2−25407
AlN on Si SAW devices 2−15090

acoustic signal processing
active sonar, noise-limited, optimum frequencies for detection 2−16517
adaptive receiving array interference nulling schemes compared 2−27308
adaptive signal detection in fluctuating noise, general detection and estimation theory 2−26138
ambiguity function of scattered acoustic pressure field 2−21343
array adaptive noise cancellation with wanted signal leakage 2−27311
B-scan resolution enhancement using Fourier transform holography 2−8903
coarse grained material, US testing, signal to noise ratio improvement by signal averaging 2−8920
correlation processing, effect of propagation fluctuation 2−15876
CP200, cinema theatre audio processor 2−11305
cross-spectrum analyzer using low-pass filter for AF range *(Japanese)* 2−16892
defect charact., adaptic filtering appl. 2−8876
electroacoustic systems, freq. charcts. meas. using pulse method *(Czech)* 2−17595
empirical statistical spectral analysis procedures 2−26144
false-colour acoustic micrographs 2−12096
fish stock assessment, using microprocessors as target classifiers 2−27295
modulation transfer functions: definition and measurement 2−8429
multidimensional constrained lattice processor for passive sonar adaptive arrays 2−26553
narrowband adaptive array processing and beamforming 2−27309
nonlinear least squares model fitting to error-disturbed obs. 2−26143
nuclear power plants, diagnostics of acoustic signals *(Czech)* 2−17890
parameter estimation techniques and results 2−26139
passive listening adaptive array spatial resolution improvement 2−26145
passive sonar array processing in nonstationary random fields 2−26146
passive sonar signal processing estimation techniques 2−26555
pulse-echo systems, analogue implementation of analytic signal processing 2−21359
separation of several speakers recorded by two microphones 2−6448
sonar, digital signal processing, implementation 2−16518
sonar data analysis, filtering techniques 2−16519
sonar signal processing, research community needs in the 1980s 2−16523
sound processor design, VLSI applns. 2−11262
speech synthesis system using adaptive data modulation 2−21322
steel, austenitic weld, coarse grained material, US testing, signal to noise ratio improvement by signal averaging 2−8920

acoustic signal processing continued
steel, stainless, pipe weld, crack detection using US signal processing, appl. of adaptive learning networks 2−8922
time-domain adaptive array processing and beamforming recursive algorithms 2−26140
underwater acoustics and signal processing, conf., Copenhagen, Denmark (Aug. 1980) 2−23891
US B-scan images, resolution enhancement by deconvolution 2−27132
US CW Doppler FHR signals, meas., extraction and processing *(Chinese)* 2−7463
Al multilayered adhesively bonded structures, appl. of adaptive learning networks to US signal processing, flaw classification 2−8912

acoustic surface wave devices *see surface acoustic wave devices*

acoustic surface waves *see surface acoustic waves*

acoustic transducers
see also acoustoelectric transducers; ultrasonic transducers
arched interdigital transducer, longitudinal acoustic waves 2−3651
directional transducer array, sidelobe suppression, design considerations 2−17591
hydroacoustic position reference system with a narrow beam tracking transducer 2−26545
magnetostrictive, efficiency increase feasibility study *(Russian)* 2−20525
sonar, new materials and types of device 2−26552
welded structure deformations, acoustic sensing elements 2−7457

acoustic variables control
see also noise abatement
underwater acoustic electro-ceramic projector radiated pressure control by state variable feedback 2−27316

acoustic variables measurement
see also acoustic intensity measurement; acoustic noise measurement; acoustic wave velocity measurement; Q-factor measurement; ultrasonic measurement
absorption coeff. meas. in standing wave tube using a simple two-microphone method 2−26992
automatic speaker recognition, measuring of contours of intensity and fundamental period of speech *(German)* 2−6416
broadcast and recording studio, architectural acoustics and measuring techniques *(Japanese)* 2−2875
building acoustics analyzer type 823, micropocessor controlled 2−26742
digital voice communications over telephone lines, objective speech quality meas., simulated algorithm *(Croatian)* 2−16052
electroacoustic systems, freq. characts. meas. using pulse method *(Czech)* 2−17595
hypersound absorption in liquids at frequencies of approx. 10 GHz 2−7455
input immittance meas. for human ear 2−17186
microwave meas. of electroacoustic conversion and attenuation of elastic waves 2−17596
miniature ceramic ultrasonic probes, design, construction and performance 2−22759
pulse-testing device for electroacoustic meas. 2−16716

acoustic velocity *see acoustic wave velocity*

acoustic wave absorption
see also noise abatement; ultrasonic absorption
absorption coeff. meas. in standing wave tube using a simple two-microphone method 2−26992
hypersound absorption in liquids at frequencies of approx. 10 GHz 2−7455
quartz, SAW, viscous attenuation and vel. 2−25380
CdS(Se) doped piezosemicond., sound absorpt. *(Russian)* 2−1191

acoustic wave amplification
see also acoustoelectric effects
sound amplifying systems, acoustic feedback instability *(Russian)* 2−22009
n-InSb, acoustic wave multitransit generation in elec. field 2−5562

acoustic wave attenuation *see acoustic dispersion; acoustic wave absorption; acoustic wave scattering; acoustic wave transmission; ultrasonic absorption*

acoustic wave diffraction
see also ultrasonic diffraction
SAW IDT filters design, errors due to diffraction compensation 2−5880

acoustic wave diffusion *see acoustic wave scattering*

acoustic wave effects
see also acousto-optical effects; acoustoelectric effects; sonoluminescence; ultrasonic effects
No entries

acoustic wave interference
No entries

acoustic wave propagation
see also acoustic dispersion; atmospheric acoustics; Doppler effect; seismic waves; shock waves; surface acoustic waves; ultrasonic propagation; underwater sound
line array in shallow water for range and depth estimation 2−6864
linear wave propag. in homogeneous and inhomogeneous media, dispersion relations 2−15677
nonlinear piezoelectric effect in crystals with presence of reflection 2−5847
piezoelectric crystals, acoustic wave types for freq. control and signal processing 2−1510
piezoelectric solid cylinders, asymptotic analysis of modes 2−25379
piezoelectric transducers, partially-electroded, radiation pattern analysis 2−20475
SAW time inversion system distortion estimation, based on delta function approx. 2−6425
sensor array time delay estimation for multipath propagation 2−26141
surface transverse wave resonances on corrugated plates of finite thickness 2−25410
underwater acoustics and signal processing, conf., Copenhagen, Denmark (Aug. 1980) 2−23891
$LiNbO_3$-water boundary, propag. characts. of leaky SAWs meas. by acoustic microscope 2−20448

acoustic wave reflection
see also echo; reverberation; ultrasonic reflection
marine sediments meas., reflections from subsurface layered media 2−27285
quasimonochromatic outgoing radiation pulse reflection by random surface, diffractal echoes 2−10459

acoustic wave reflection continued
statistically rough suface, width of wave reflection pattern 2−15682
surface skimming bulk waves, rel. to reflection suppression in devices 2−25413

acoustic wave refraction
see also acoustic dispersion; ultrasonic refraction
No entries

acoustic wave scattering
see also ultrasonic scattering
ocean inhomogeneities, acoustic backscatter and one-way propagation effects 2−26550
pulse mode sonar echo prediction, S-matrix theory 2−11125
sea sediment identification 2−27293

acoustic wave transmission
see also ultrasonic transmission
No entries

acoustic wave velocity
see also acoustic dispersion; shock waves; ultrasonic velocity
quartz, SAW, viscous attenuation and vel. 2−25380

acoustic wave velocity measurement
see also ultrasonic velocity measurement
acoustic mirmicroscopes, differential phase contrast, for improved meas. stability 2−27305
SAW velocity meas. using phase interference method 2−22449

acoustic waveguides
topographic waveguides for SAW, finite-element anal. using approximate analytical solns. 2−9841
trapped mode resonances rel. to open volume quasimode excitation 2−10543

acoustic waves
see also acoustic emission; magnetoacoustic effects; shock waves; surface acoustic waves; ultrasonic waves
continuous waves generated by focused radiators 2−22249
microwave meas. of electroacoustic conversion and attenuation of elastic waves 2−17596

acoustical laboratories
see also anechoic chambers; reverberation chambers
No entries

acoustics
see also acoustic applications; acoustic devices; acoustic equipment; acoustic noise; anechoic chambers; architectural acoustics; atmospheric acoustics; audio acoustics; hearing; musical acoustics; photoacoustic effect; sound reproduction; ultrasonics; underwater sound
Acoustical Soc. Amer. 102nd meeting, Miami Beach, FL, USA, 1981 Nov. 2−4565
spacecraft structural acoustics research 2−3525

acousto-optical devices
see also acousto-optical effects
Bragg acousto-optical spectral analyser *(Russian)* 2−3098
Bragg cell, 500 MHz bandwidth guided wave L-band 2−20696
Bragg cell deflection and translation of laser beams with zero freq. shift 2−15357
Chinese characters, laser phototypesetter *(Chinese)* 2−10396
collinear acoustooptic light filtration, limiting resolution 2−10094
correlator, time integrating, based on light polarisation processing 2−15358
correlator with time integration, for radio signal spectral analysis *(Russian)* 2−11402
correlators, space-integrating and time integrating 2−21369
fast Fourier transformers using acoustooptical techniques 2−10092
fibre optic sensors for use in sonar systems 2−15360
fibre optical acoustic sensors 2−6029
fibre-optic microbending acoustooptic sensor design optimisation 2−1731
filter, tunable, operating principles 2−20695
guided-wave acousto-optic devices and appls., review 2−6072
hybrid bistable optical device using an acoustooptic waveguide modulator 2−10093
hydrophone, overview of fibre optic sensor systems 2−1716
integrated acousto-optic spectral analyser using grating components 2−6073
integrated optic strip waveguides driven by surface acoustic waves 2−25537
integrated optics spectrum analyser, aspheric geodesic lenses 2−6044
intensity modification of gaussian laser beam using acoustic cell 2−15538
intensity modification of Gaussian laser beam using acoustic cell 2−20933
lasers, CW, highly stable acousto-optic mode-locking using active feedback 2−6161
light deflector, design considerations 2−20700
mode converter, ultra-wideband design using SAW and optical guided-wave structs. 2−10099
modulator, photoelastic, anisotropy induced by acoustic standing waves 2−10096
modulator, planar, 1 GHz range 2−1762
modulator, using acoustic waves in an anisotropic medium 2−20698
modulator for active mode locking of Ar^+ laser *(Chinese)* 2−15436
modulator for active mode-locked pulse Nd:YAG laser *(Chinese)* 2−10266
modulator for heterodyne CO_2 laser rangefinder with chirp signal processing 2−16515
optical field phase struct. recording feasibility by acoustooptic method 2−20699
overview of acousto-optics potential in instrumentation for 1980s 2−6071
photoelastic light polarisation modulator *(Hungarian)* 2−20697
phototypesetter, laser, with four electro-optical modulators *(Chinese)* 2−10397
RF spectrum analysis, nonlinear distortion 2−22215
sonar transducers, new materials and types of device 2−26552
spatial light modulator and CCD for optimal image correlation 2−25559
spectral analyser, integrated acoustooptic, prototype 2−1761
spectrum analyser, swept freq. based on Bragg acousto-optical cell filtering props. 2−1760
spectrum analyser 2−10095
systolic array processing, optical implementation 2−15952
transducer, wide band 2−12114
transducer resolution, multilayer planar design 2−6070
transducers in optical signal processors, techniques and architectures, real-time parallel processing 2−6467
US bulk wave visualizatin in solids with internal light probe 2−12105
US phase gratings, optical testing using Fresnel diffr. method 2−10098

acousto-optical devices continued
xerographic recording, non-reversal, laser character generation methods *(Hungarian)* 2−10401
Ge acoustooptic refractive IR chopper 2−6069
$LiIO_3$-Si layered system, Gulyaev-Blyushtein and Rayleigh wave amplification 2−10097
$LiNbO_3$ acousto-optic Q switch *(Chinese)* 2−15359
$LiNbO_3$, Y collinear acoustooptic filter, acoustic transducer imaging 2−25560
$LiNbO_3$:Ti guided-wave acousto-optic Bragg cells with SAW transducers, centre freqs. >1 GHz, 500 MHz bandwidth 2−6074
TeO_2 light deflector used in optical time domain reflectometer 2−3288
ZnS-Ta_2O_5-Nb_2O_5 mulilayered thin films optical tunable couplers using SAW, filtering props. 2−20687

acousto-optical effects
see also acousto-optical devices
light modulation, using acoustic waves in an anisotropic medium 2−20698
semiconductor compounds as quantum electronic materials, physical charcacts. *(Russian)* 2−9966
waveguides, model and real, guided TM mode acoustooptic interaction efficiency, freq. depend. 2−20666
Ar ion laser, active mode locking by acousto-optic AM modulation *(Chinese)* 2−6133
$LiNbO_3$:Ti diffusion-fabricated optical waveguide, broad-band acoustooptic interaction 2−1724
Nd^{3+}:YAG ring laser with acousto-optic mode locking, competitive effects 2−25756

acoustoelasticity *see elasticity*

acoustoelectric devices
see also acoustoelectric transducers
bulk/surface wave device technologies, trends and developments 2−20479
detector for fossil-fuel-fired boiler tube damage *(German)* 2−27681
future device technologies and their implications, conf., London, England (Jan. 1982) 2−18879
memory, piezoelectric-semicond. struct., capture centres characterisation 2−15088
SAW devices for signal processing, convolver, memory correlator and coherent integrator 2−1543
transmission system, noise level meas. and noise level standards *(German)* 2−11278
$LiNbO_3$-CdSe-metal multilayer struct., convolution signal storage 2−25417

acoustoelectric effects
ferroelectric crystals, acoustoelectric phenomena, novel appls. 2−15054
microwave meas. of electroacoustic conversion and attenuation of elastic waves 2−17596
piezodielectric-semiconductor boundary, EM wave and SAW interaction 2−1544
piezoelectric crystals, acoustoelectric phenomena, novel appls. 2−15054
piezoelectric insulator-semicond. layer struct., acoustoelectronic interaction, semicond. band bending effect 2−9518
piezoelectric waveguides, metallized 2−20477
piezosemiconductors, acoustic wave parametric excitation by microwave electric field 2−1514
CdS, acoustoelectric currents, nonlinear, during US carrier injection 2−20084
CdS, electroacoustic interaction, efficient nondegenerate 2−1187
CdS(Se) doped piezosemicond., sound absorpt. *(Russian)* 2−1191
n-InSb, acoustic wave multitransit generation in elec. field 2−5562
$LiNbO_3$-InSb film struct., acoustoelectronic interaction, quantum size effect 2−25093
Te, Y-cut, total saturation of current 2−24950

acoustoelectric transducers
see also earphones; headphones; hydrophones; loudspeakers; microphones
development, operational use and parameter meas., calibration, review *(German)* 2−7459
oscillation amplitude meas. by laser 2−26821
phase insensitive ultrasonic receiver based on acoustoelectric effect, response characts. 2−22756
piezo-electric bu ers, semiconductor circuits, used for continuous and modulated outputs 2−3653
spatially nonuniform US detect. with piezoelectric and acoustoelectric receivers 2−22757
wide band 2−12114

acoustooptics *see acousto-optical effects*

actinometers *see radiometers*

actinometry *see radiometry*

activation analysis *see chemical analysis by nuclear reactions and scattering*

active antennas
car windshield, for broadcast receiver, design 2−15783
FET-bipolar amplifier for active antennas *(Czech)* 2−6374
HF tuned active receiving antenna AK 001 for interference-free reception 2−26044
tuned, improved reception for HF radio links 2−26389
UHF active antenna with wideband two stage amplifier *(German)* 2−15767
variable-profile antenna, radiation patterns 2−21232

active circuits *see active networks*

active filters
active-R filters, large signal instability 2−5287
audio, general introduction to loudspeaker ccts. *(German)* 2−6964
audio filter, G4BWE, bandwidth and centre freq. adjustment, transceiver appls. 2−24603
band pass, using operational amplifiers *(Hungarian)* 2−9145
band-reject filters, comparison *(Spanish)* 2−24604
bilinear switched-capacitor floating LC parallel cct., elliptic low-pass filter appl. 2−9152
Butterworth filters, 2nd order, low-pass and high-pass, design using TI 58/59 programmable calculator *(German)* 2−19778
Butterworth filters, design and testing *(German)* 2−19771
Butterworth low pass, high pass, band pass, band stop filter computer designs 2−24595
C-CD comb filter, for colour video signal processing 2−19783
C-CD transversal low-pass filter with two-level Al electrode struct. 2−9149
cascaded filters up to 6th order with Butterworth charcts. *(German)* 2−9143
Chebyshev active filters using operational amplifiers, transfer functions *(Czech)* 2−5289

active filters continued
component value determ, flexible program 2−19768
continuous-time analog filter using MOS technology 2−19775
design and experimental testing *(German)* 2−19772
differential switched-capacitor filtering technique, low noise, chopper stabilisation 2−19779
electro-thermal filter networks, using sensors, heaters *(German)* 2−19777
experimental investigation *(German)* 2−24594
experiments, book 2−8167
FIR N-path filter, combined switched capacitor filter using only grounded capacitors 2−820
first-order, low-pass and high-pass, design and testing *(German)* 2−823
floating inductor design using single op. amp. 2−5282
frequency compensation network, using active filters 2−19787
frequency dividing network, using active filters for loudspeaker systems *(German)* 2−19776
group-delay equaliser, active Darlington allpass filter *(German)* 2−19809
guitar, 'wha-wha' (Hawaiian) effect production *(Spanish)* 2−6965
inductorless current conveyor allpass filter using grounded capacitors 2−24590
ladder filters, high quality double-integrator building-block 2−19784
ladder simulation switched-capacitor filters with inductor loops 2−5275
LF filter hybrid IC synthesis 2−24607
linear phase analog active filters with equiripple passband responses 2−5280
low-pass active filters, time-domain synthesis *(Serbian)* 2−19767
low-pass to band-pass linear transformation 2−14207
lowpass, sharp cutoff, realisation by cascading low-Q 3rd-order blocks 2−19785
monolithic switched capacitor filters, audio engineering appls. 2−19774
MOS analogue switched capacitor circuits, clock feedthrough cancellation technique 2−24589
MOS switched capacitor ladder filters, simplified structure 2−19781
multiple amplfier active RC biquadratic sections, using op. amps. f or active filters 2−9147
NMOS switched-capacitor voltage wave filter, prototype 2−19780
non-complementary audio noise reduction IC 2−22010
nonpolarised electrolytic capacitors ccts. analog simulation of filter with very low cut-off freq. *(Spanish)* 2−5288
notch filter with adjustable Q factor *(Spanish)* 2−14213
OCR resonators, realization of canonical forms 2−5285
PCM filter testing, techniques and software 2−19773
phase compensated biquadratic high pass filter 2−24593
phase-locked loops, appl. *(German)* 2−21998
phase-locked loops appl. *(German)* 2−19596
programmable state-variable active biquads 2−14210
R multifunction cct. synthesis 2−24591
R-filters, synthesis using pole of amplifier-frequency response 2−24605
RC, jump phenomenon 2−24597
RC active band pass filters, freq. dependence of statistical variations 2−19790
RC active filters for hybrid thick film implementation, design and evaluation 2−828
RC bandpass filter using floating inductors 2−14208
RC building block with optimal sensitivity, design 2−14205
RC filter design, for required amplitude and phase characteristic *(Hungarian)* 2−9146
RC filter realisation based on simulation of node eqn. or loop eqn. 2−19789
RC filters, large signal instability 2−5287
RC multifeedback band-pass, operational amplifier single-pole model effect 2−822
RC second complementary transformation *(Czech)* 2−9150
RC second-order filter using operational amplifier and passive devices *(Czech)* 2−24606
RC using current conversion type generalised immittance convertor, design 2−9148
RC-active filters with nonideal single amplifier, HF charcts. 2−24588
real-time programmable switched capacitor bandpass filter 2−14217
ring type band-pass filter with independent regulators using operational amplifiers *(Italian)* 2−5278
scratch filter, reduces surface noise picked up by record playing equipment 2−14204
second-order, using HF amplifiers 2−14209
second-order bandpass filter, low-noise state-space realisation 2−24592
self-tuned high-Q band rejection filter for suppressing LF inteference signals 2−831
signal procesing filter and wideband preamplifier for gas proportional detectors 2−27086
state-space approach to active filter design 2−5281
switched capacitor low frequency integrators, morphological design method 2−19524
switched capacitor pseudo-N-path filter, appl. to bandpass and bandreject filters 2−24382
switched filter ccts., 1.5-30 MHz, BCD code operation *(German)* 2−21248
switched-capacitor band-pass filters, low-freq. design, sensitivity *(German)* 2−24602
switched-capacitor filter circuits with large time constant, construction by small capacitor ratio, integrator and adder appls. 2−9151
switched-capacitor filter design, application of voltage invertor switch with new clocking scheme *(Korean)* 2−14211
switched-capacitor filters, CAD based on cascaded biquad cells *(French)* 2−13931
switched-capacitor filters synthesis 2−8963
switched-capacitor impulse-filters, time-varying parameters, CAD, freq. response anal. *(German)* 2−24601
symmetric form filter, sensitivity charcts. 2−19770
thin film RC filters, CAD *(Hungarian)* 2−24596
third-order active RC filters *(German)* 2−818
time-variable temps. measured under strong electromagnetic interference, recording methods 2−26978
tolerance analysis of integrated analog filters *(German)* 2−5279
transistor filter for switching regulator reducing ripple voltage 2−5096
trimmed distributed RC networks, pole-zero locations, and appl. to low pass active filters 2−24598
TV CCD comb filter conversion to permit separate obs. of luminance and chrominance signals 2−6908
video selectivity block for television receivers consisting of a chroma band-pass filter, a chroma notch filter, and a sound band-pass filter 2−2890

active filters continued
voltage controlled low pass filter with 100 dB/octave transition interval width *(German)* 2−819
voltage-controlled tunable filter, using bipolar technology 2−19782
wave active filters, sensitivity and HF perform. 2−829

active networks
see also active filters; gyrators; impedance convertors; negative impedance convertors
alpha uni subscriber's set, transformerless circuit *(German)* 2−2571
audio, general introduction to loudspeaker ccts. *(German)* 2−6964
broadbanding design problems, gain equalisation directly from data 2−19490
controlled resistors, active network implementation using analogue multipliers and controlled sources *(French)* 2−14212
equivalent active networks generation with minimised sensitivities 2−825
FDNR cct. using single operational amplifier 2−14215
FET-bipolar amplifier for active antennas *(Czech)* 2−6374
floating inductance, employing only single component matching condition 2−24599
floating lossless inductance realisation, active-R, operational amplifier poles appl. 2−14203
GIC simulated inductance cct. employing operational amplifier 2−5277
grounded inductors using single current conveyor, active simulation 2−827
gyrator, stable two-port operation at high freqs., computer simulation, resonator appl. 2−13921
immittance regulators with nonlinear tuning law, topological synthesis 2−14214
inductance and capacitor flotation schemes using current conveyors 2−5276
load-pull characterisation at microwave freqs., active load technique 2−24697
lossless floating inductance simulation, active RC single resistance controlled, using single grounded capacitor 2−14206
MOS compatible first order active-C networks 2−24600
oscillator, active-R, wide range, using operational amplifiers 2−13998
p-i-n diode attenuator, digital control 2−14216
predistortion, finite gain-bandwidth compensation of operational amplifier 2−826
pseudoactive bridge for separation for R and C in a practical capactive/conductive transducer 2−3217
R multifunction cct. synthesis 2−24591
RC, family of inductance simulations appl. 2−5283
RC single-op. amp. design of driving-point impedances, comment and reply 2−824
stray insensitive 1st order active switched capacitor network 2−19523
symbolic analysis of circuits containing active elements 2−8937
three-port voltage controlled voltage source structure, design 2−691
three-port voltage controlled voltage sources, active compensation for finite gain bandwidth of op amps 2−19788
transistor-resistor-coupled device in common base, common collector configurations, analysis 2−5284
two-port network with correlated noise generators, noise temp. 2−9142

actuators
see also electric actuators
critical piping systems planning, fire safety for valve actuators 2−4623
steam plant, control valve and actuator appls. and process characts. 2−12469
underwater actuators for reconnaissance unit, Recon II 2−6946

Ada
ATE, impact of Ada 2−16803
military equipment, reliability challenges in design 2−8247

adaptive control
see also adaptive systems; model reference adaptive control systems
automobile fuel economy 2−13048
DC motors with separate excitation and adaptive control, online parameter estimation *(Chinese)* 2−18257
digital control methods for power station plants based on identified process models 2−3935
feed control in completely overlapped subarray antennas 2−6377
hybrid A/D adaptive beamformer, modified least mean square algorithm 2−6365
invertor-fed series wound excited reluctance machine, adaptive control 2−12631
motor-generator set, adaptive noninteracting controller appl. 2−12661
one armed bandit adaptive control problem, optimal solution 2−4904
packet speech system, adaptive control on length of jitter absorbing buffer 2−2606
power plant control, adaptive nonlinear compensators 2−3937
power system emergency control techniques, development trends review 2−27395
PWR power station self-tuning load-following control 2−3882
radar detection, double threshold, adaptive false alarm regulation 2−6848
synchronous machine excitation control *(Russian)* 2−23269
tool flank wear, in process measurement using fibre optic sensor *(Italian)* 2−25476
welding process variables adaptive control 2−4544
welding robots adaptive control 2−4548
workpiece diameter, vibration and position sensing by laser, quality control automation 2−10395

adaptive optics
see also optical phase conjugation
conjugate wave generation physics, adaptive optics appl. 2−15558
corner-cube array coat, phase conjugator for large aperture wavefronts 2−6272
deformable bimorphous mirror using $Pb(Mg_{1/3}Nb_{2/3})O_3$ electrostrictor 2−1763
intracavity adaptive optic compensation of phase aberrations, passive small equiv. Fresnel no. resonator 2−10309
laser optics, conf., Leningrad, USSR (Jan. 1980) 2−18844
nonlinear distortions correction of light beams by optical system with feedback 2−2010
phase compensation, background light suppression for line-of-sight optical link 2−16491
special topics in optical propagation, conference, Monterey, California, (1981 April 6 to 10) 2−16490
state-of-the-art report, atm. turbulence and thermal blooming correction 2−15550
thermal blooming compensation 2−15560
$Bi_{12}SiO_{20}$ photorefractive crystal, phase conjugation by real-time holography and degenerate four wavemixing 2−15559

adaptive systems
see also adaptive control; adaptive optics; learning systems; model reference adaptive control systems; pattern recognition; self-adjusting systems
16 QAM system baseband adaptive equalisation with multipath fading 2−2668
aircraft multibeam adaptive array for main-beam interference nulling 2−6378
antenna angular resolution factors 2−6804
array adaptive noise cancellation with wanted signal leakage 2−27311
array antennas, signal processing, depth of signal suppression for finite spectral width 2−2220
averaging methods for the asymptotic analysis/ of learning and adaptive systems/, with small adjustment rate/ 2−2446
beamforming for linearly constrained adaptive array processors 2−21193
canceler performance degradation, multiple sidelobe, due to estimation noise 2−6850
correlation regions for alpha-beta tracking filters 2−21861
cross-polarized digital microwave transmission, depolarization equalizer based on adaptive linear equalization 2−2689
digital microwave radio, 90 Mbit/s systems, extended range adaptive equalizer design 2−2675
Doppler processor implementation by spectral estimation 2−2359
empirical statistical spectral analysis procedures 2−26144
equaliser for minimisation of mean-square error 2−6732
filters and antenna, description and algorithms for control 2−14200
filters as signal processors at microwave freqs., operational charact., appls. 2−14201
IF equaliser for 90 Mb/s 8-phase DPSK radio system 2−2669
local ring network for integrated data and voice traffic *(Italian)* 2−21624
low-angle tracking system for surfaces with unknown multipath refl. props., antenna design, simulation 2−2825
multidimensional constrained lattice processor for passive sonar adaptive arrays 2−26553
optimal beamformer response to source with all-pole angular power density spectrum 2−26147
passive listening adaptive array spatial resolution improvement 2−26145
spacecraft attitude and sensor parameters estimation, using adaptive filtering 2−22592
speech analysis based on pole-zero representation 2−21314
stabilized drive system for stepping motor, analogue quartz watch appl. 2−28137
steel, stainless, pipe weld, crack detection using US signal processing, appl. of adaptive learning networks 2−8922
three-level double integration adaptive delta modulator, construction method 2−21299
Al multilayered adhesively bonded structures, appl. of adaptive learning networks to US signal processing, flaw classification 2−8912

adders
binary adder, high-speed design based on new recursive algorithm for carry propag. 2−795
high speed adder using Josephson elements 2−19752
high-speed multiplier, carry-save adder low-order bit position design, elimination of spill adder 2−19753
integrated Schottky logic ccts., radiation response 2−14060
inverting full adders, compact NMOS array multipliers 2−5183
parity predict of a sum, operation and cct. 2−5193
switched-capacitor filter circuits with large time constant, construction by small capacitor ratio, integrator and adder appls. 2−9151

adding machines *see calculating apparatus*

adherence *see adhesion*

adhesion
Araldite type epoxy resins and polycarbonate boxes, adhesion failure *(Hungarian)* 2−24339
ceramic permanent magnets adhesive bonding 2−5904
ceramics, design and appl. 2−13856
electronic technology materials, organic chemistry developments, adhesives, liquid crystals, organic semiconductors *(Spanish)* 2−13803
hydrothermal degradation detection by US spectroscopy 2−8911
metal-metal adhesively bonded structures, through transmission US attenuation meas. 2−8914
module process compatible thermally enhanced fin attach process 2−104
multiwire circuit boards, wire bonding adhesive 2−19973
oil filled transformers, adhesive bonding systems for distribution transformer coils 2−15082
parylene adhesion, to various substrate materials, the effect of plasma pretreatment 2−8850
PCB fabrication, baking photoresist after exposure but prior to developing to improve adhesion 2−1033
PCB solder adhesion reliability, oxide particle accumulation at solder-Cu interface, ageing tests 2−5457
polyimide coatings of IC appls. 2−9545
RCA porcelain coated coated steel substrates for thick film hybrid ccts., optimisation 2−5488
RCA porcelain-coated steel substrates, characterisation of thick-film compositions 2−5489
RCA porcelain-enamelled-steel PC boards, mechanical props. 2−1040
slope stability of electropacked beds 2−10413
solderable tabs, arc spraying to glass using Al and Cu 2−4649
Au-Sn-Al metallisations on GaAlAs, interfacial struct. studies 2−5705
NbTi-Cu multifilament supercond., explosive bonding *(Chinese)* 2−20553

adiabatic compression, plasma *see plasma heating*

adiabatic demagnetisation *see magnetic cooling*

adion *see adsorption*

administrative data processing
see also distributive data processing; educational administrative data processing; financial data processing; logistics data processing; management information systems; manufacturing data processing; marketing data processing; medical administrative data processing; reservation computer systems; word processing
analogue and digital units' advantages compared 2−2473
applications in telecommunications, text transmission and energy savings in the home *(German)* 2−2418
automatic network information and documentation in power supply *(German)* 2−17627
bus public transport, computerised call responsive system, communications techniques *(Japanese)* 2−16217
computerized system for better electrical estimating 2−18933
corporate management, computing applns. 2−18928
D30 electronic switching system for small offices *(Japanese)* 2−21697

administrative data processing continued
distributed processing 2−2517
document fast delivery options 2−26239
electric generation assemblies maintenance using data processing *(Croatian)* 2−13235
electronic mail, British Telecom plans for electronic message transfer between offices 2−10807
electronic message systems, struct., delivery, address identification and user interface standards 2−16074
electronic office, techniques for meas. effect on users 2−16252
engineering management of desalination plants in Saudi Arabia using fuzzy decision analysis 2−18916
European railway administrations' data transmission network Hermes *(Italian)* 2−16192
integrated electronic office systems, effects on users 2−26183
intra-company worldwide communications, SIEKOM project *(German)* 2−10769
man-computer communications, conf., Waterloo, Ont., Canada (Jun. '81) 2−2504
man-computer communications, conf., Waterloo, Ont., Canada (Jun. '81) 2−10835
MARK computerised record-keeping system, conversion to electronic switching equipment appl. 2−16056
MAST (mechanized automated switch translation) service for administration of telephone exchange conversion 2−26230
natural gas transmission and distribution systems, demand modelling 2−22915
office automation, text and data communication systems *(Swedish)* 2−26288
office automation system based on PABX switching network *(Italian)* 2−16189
office automation technology, data transmission and networking *(Japanese)* 2−16005
office automation trends *(Japanese)* 2−16006
office communication systems 2−10844
office communications, technological influences *(German)* 2−26191
optical disc document retrieval system 2−6938
private network planning and administration, computerised management tool 2−21464
state-of-the-art survey and requirements for power system calcs. 2−27329
telephone exchanges, MARK computerised record-keeping system 2−16056
telephone manufacturing plant, customer data control 2−21674
telephone networks, KONTES project *(German)* 2−6542
teletex internal office message system prospects 2−21470
Thomson Holidays, reservation system CARS, using Prestel 2−2495
track maintenance and renewal, computerised and control and planning methods 2−13024
use of microprocessors and computers in office administration, automobiles and domestic appliances *(French)* 2−28202
videotext and office integration 2−2494

admittance, electric *see electric admittance*

admittance, electric, measurement *see electric admittance measurement*

ADP *see administrative data processing*

adsorbed layers
tetrabromophenol blue, adsorption on ZnO and resulting photovoltaic properties under He-Ne laser 2−15392
Ag on GaAs (110), Fermi level pinning, contact pot. difference and surface photovoltage topography study 2−1181
ZnO, coadsorbed p- and n-dyes, spectral sensitivity 2−1779

adsorption
see also heat of adsorption
organophosphorous compounds and pesticides detection using coated piezoelectric crystal, air-pollution sensor 2−12088
PTFE-polyhexafluoropropylene electret, charge relaxation, surface phenomena role 2−9756
refractory carbides, emission-adsorpt. props. anisotropy 2−9356
CdS thin films, elec. props., effects of H_2 adsorption 2−14656
Si amorphous layer induced by UV laser pulse, laser induced oxidation via O trapping 2−1317
Si, laser-induced amorphous, adsorpt. of O, expt. study 2−25164
Si surface adsorption, optical memory centres 2−14632

advertising
electronic information media, consumer response, implication for newspapers and other media 2−16014
multilingual TV, BCN 100 1 in, multicassette system, Swiss TV appl. 2−16665
teletext and viewdata advantages for business and domestic users *(Swedish)* 2−21501

aerial cableway systems *see cableway systems*

aerials *see antennas*

aerodromes *see airports*

aeronomy *see meteorology*

aerosols
air pollution meas. electro-optical *(German)* 2−3639
atmosphere, coherent lidar return characts. from calibration targets and aerosols 2−11117
atmosphere, effect of marine aerosols on Over-the-Horizon optical scatter propag. 2−15544
atmosphere, plume dispersion over sea surface, remote meas. using DFVLR Minilidar 2−3638
atmosphere aerosol, particle size evaluations using multiwavelength extinction meas. 2−27269
atmospheric and aerosol emissions effect on IR imaging device performance 2−16846
bipolar charging of submicron aerosol, effect of external elec. field 2−10414
coagulation, deposition and leakage during nuclear reactor accident 2−7643
experimental investigation of electric wind in the presence of an external flow [electrostatic filters] 2−25909
IR laser beam, model of transmission through water droplet aerosol under thermal self-action 2−20962
light scattering by atmospheric aerosol, turbulence parameter determ. using laser method 2−21001
notional accidental release from FBR, radiological consequences 2−7346

aerosols continued
plume dispersion over sea surface, remote meas. using DFVLR minilidar 2−17583
smoke plume, airborne lidar meas. of plume distrib., vertical transmission and particle size 2−27270

aerospace
see also aerospace computing; aerospace control; aerospace instrumentation; aerospace propulsion; aerospace simulation; aerospace test facilities; aircraft; ground support systems; space research; space vehicles
EASCON, electronics and aerospace systems, conf., Washington, DC, USA (November 1981) 2−13172
VHSIC technology utilisation in future spacecraft systems 2−11985

aerospace applications of computing *see aerospace computing*

aerospace biophysics
aircrew, main ECG anomalies *(French)* 2−7331
space developments applications, conf., Tokyo, Japan (September 1980) 2−4563
Space Sled−A European facility for life-science experiments in Spacelab 2−3543
Spacelab, biological and medical expts. *(Italian)* 2−17429

aerospace computer control
see also aerospace computing; air traffic computer control
Air Force Satellite Control Facility, data systems modernisation program 2−11034
aircraft combat survivability, Multiple Environment Generator for EW Evaluation Simulator, radio emitter level 2−27241
aircraft computer control system, West German development of CCV Starfighter 2−3552
ATE support of RF line replaceable units 2−22687
attitude control system of AMSAT P-3-satellites 2−22650
avionic multiprocessing system, protocol level modules 2−22678
avionic multiprocessing system SOVAC 2−22683
avionic systems microcomputer-aided maintenance 2−12015
avionics development 2−22664
avionics implementation of DAIS executive 2−3557
avionics multiprocessing system architecture 2−22674
avionics multiprocessing system PEARL software 2−22673
continuous reconfiguration in a multi-microprocessor flight control system 2−22669
database architecture 2−22671
digital attitude-control design for space applications 2−22638
Dispersed Sensor Processing Mesh project 2−22680
distributed processing architecture 2−22665
economic considerations for real-time naval aircraft/avionic Distributed Computer Control Systems 2−22672
electronic technology in avionics 2−17481
F/A-18 weapons system support facilities 2−22686
F/A-18A Tactical Airborne Computational Subsystem 2−22685
flight control multiprocessor architecture 2−22667
flight dynamics, conf., Darmstadt, Germany (May 1981) 2−18863
flight test instrumentation systems, multipurpose 2−17479
fuel control in general aviation, microprocessor applns. 2−17530
functional versus communication structures in modern avionic systems 2−22668
hierarchical specification of the SIFT fault tolerant flight control system 2−22676
integrated control of mechanical systems for future combat aircraft 2−22684
IRAS satellite Operations Control Centre, attitude control subsystem performance verification 2−22710
methodology for measurement of fault latency in a digital avionic miniprocessor 2−22675
military aircraft, Sea Harrier development and design features 2−11980
mission analysis for maneuver 2−22595
mission endurance computerised control system 2−22633
multimicroprocessor-based system 2−22670
multiprocessing system, conf. at Roros, Norway (1981) 2−22663
multiprocessing system reliability 2−22677
NASA's manned spaceflight, real-time computer systems 2−22709
NASA/GSFC ground-based attitude support activities 2−27258
next generation military aircraft will require hierarchical/multilevel information transfer systems 2−22681
performance study of a distributed microprocessor architecture for use aboard military aircraft 2−22666
piloted simulation of an on-board trajectory optimization algorithm 2−11989
practical aspects which apply to MIL-STD-1553B data networks 2−22679
quality control for mission-critical flight dynamics operations 2−27235
rocket launching operations computer control of radar tracking, attitude, satellite injection and range safety surveillance *(Japanese)* 2−3573
satellite ground control system for INSAT 2−12052
satellites tracking and control system, Japanese NASDA developments 2−22594
SIFT, multiprocessing system architecture 2−22682
SINTAC program, positioning performances *(French English)* 2−6870
Space Shuttle Orbiter avionics validation, process, meas. and control systems 2−17471
stage-state reliability analysis technique 2−19056
strapdown attitude and heading reference system utilizing ring laser gyros 2−7382
tactical navigation system testing [software intensive systems], software intensive systems development 2−17472
testing integral avionics system, Caravelle flying laboratory 2−12031
Voyager 1 Saturn near encounter, close Titan flyby effect compensation 2−22605
wind-tunnel model, pressure electronic scanner 2−11992

aerospace computing
see also aerospace computer control; transport computer control
air to ground weapon aiming accuracy measurement techniques 2−17475
aircraft propulsion system, real-time simulation approach using parallel processing 2−27245
aircraft systems safety assessment 2−7362
aircraft take-off and landing performance meas., using inertial sensing system 2−17480
aircraft vibration environments simulation, strapdown inertial navigation development 2−17499
AMRAAM missile system simulation, Continuous Discrete Simulation Programming System, FORTRAN routines 2−3540
ATE/ground support equipment, bubble technology appl. 2−22706

aerospace computing continued
attitude estimator, ESA starmapper meas. results computing 2−27238
attitude reconstitution, dynamic method based on Sun-Earth colatitudes 2−27237
avionic navigation system board and ground test, based on terrain correlation 2−17478
Comet Halley mission, midcourse navigation and propellant estimation computing 2−22598
deep space navigation systems and operations, NASA's 1960s to 1980s development 2−22593
engine performance simulation, recovery from failure in twin engine augmentor wing aircraft 2−22607
ESA VHF ranging system, SIRIO-2 laser ranging experiment 2−22723
ESOC flight dynamics support 2−22588
failure analysis, thermal-vacuum test optimisation 2−22618
fault-tolerant communications processor, spaceborne 2−22644
flight data frequency-domain analysis 2−22606
flight dynamics, conf., Darmstadt, Germany (May 1981) 2−18863
flight test signal conditioning trends 2−17498
flight testing portable system, advanced medium scale real-time system 2−10819
helicopter flight testing, real time analysis 2−22619
homing missile guidance systems anal., Statistical Linearization odjoint method for nonlinear systems, computer tool 2−7368
image generation by computer for simulators 2−11987
Magsat spacecraft attitude computing 2−22591
mean-Earth satellites, analytical singularity-free orbit predictor 2−27232
military flight test system, air-to-air gunnery systems test and evaluation 2−17476
missile guidance system simulation for the '80s 2−3542
NASA's manned spaceflight, real-time computer systems 2−22709
near-Earth satellite orbit determ., 1981-status and future trends 2−27231
orbit and attitude determ. for Bhaskara satellite 2−27234
PATRIOT Guidance Test and Simulation Facility, hardware-on-the-loop missile system simulation in real time 2−7369
position meas. of flight test airplane, using microwave systems 2−17132
propulsion computerised test instrumentation system 2−11996
quality control for mission-critical flight dynamics operations 2−27235
reentry environmental conditions forecasting, cloud particle effects determ., real-time processing 2−22659
rocket fuel burning meas., transducer test data evaluation with computer graphics 2−3547
satellite anomalous attitude motion computing 2−22600
satellite attitude optimisation, apogee kick motor firing maneuver 2−22601
satellites launched by NASDA, mission analysis for maneuver 2−22595
simulated ILS using laser tracker 2−22626
Skylab decay follow-up, CNES activities 2−22604
spacecraft HF structural vibrs., prediction using statistical energy anal. 2−3544
spacecraft model testing in combined environmental simulator 2−22610
spacecraft structural analysis activities at ESTEC, software development 2−3527
Spacelab System Verification Program 2−3529
TARPS test program set, avionics and its support capability development 2−22635
Telemetry Computer System at Wallops Flight Center 2−12043
thruster performances modelling and parameters estimation 2−22620
triaxial satellite response and separate body tesitng within SGEMP simulator 2−17465
VHF omnirange radial aircraft navigation system, waveform synthesis and calibration 2−12025
weapon delivery simulation, with airborne data acquisition and ground-based processing 2−17496
wind tunnel, laser Doppler velocimeter appl. 2−22625
wind tunnel operating envelope optimisation, by automatic balance protection 2−22623

aerospace control
see also air traffic control; attitude control
aircraft control display, analysis and design using optimal control model of human pilot 2−3551
aircraft systems safety assessment 2−7362
Ariane project, British contribution *(German)* 2−17488
clock synchronisation technique, for tracking and controlling deep space probes 2−12049
Comet Halley ion drive flyby, navigation accuracy anal. 2−17454
ESOC flight dynamics support 2−22588
F-8 digital fly-by-wire aircraft analytic redundancy management flight test experience 2−7391
fault detection, identification and reconfiguration 2−22645
flight control, dual input actuator for fluidic backup 2−17491
flight simulators for pilot training, use of hydraulic servos 2−22609
geostationary station acquisition and station keeping with low-thrust systems [geostationary missions] 2−22599
geosynchronous orbital altitude satellite position management 2−11983
inertial measurement units, fault detection 2−17494
integrated inertial sensors development 2−7390
Japan's communication satellite, satellite control experiments *(Japanese)* 2−17456
L-SAT station-keeping strategy 2−22596
multicolour CRT flight control displays for transport aircraft 2−3548
NAVSTAR GPS, future enhanced capabilities 2−22589
remote manipulators in space appl. 2−22636
RPVs, conf., Bristol, England (Sept. 1979) 2−7406
satellite inclination control using a pulse mode axial thruster 2−22603
satellite orbit meas. and correction 2−27233
spacecraft attitude and sensor parameters estimation, using adaptive filtering 2−22592
strapdown inertial systems, measurement units and compensation of dynamically tuned gyros 2−7383

aerospace engines
aircraft engine compatibility with other on-board systems *(French)* 2−12042
aircraft engine trim test set, computer controlled 2−22704
aircraft induction motors with unstable supply freq., operating feature and static/dynamic characts. 2−27927
aircraft turbofan, Pratt & Whitney PW2037 series 2−27254
fuel control in general aviation, microprocessor applns. 2−17530
gas turbine, ATLAS language implementation for automatic testing 2−22703

aerospace engines continued
gas turbine, blades protection using Pt-Al diffusion coating 2−27255
gas turbine, using Ni and Co alloys, corrosion prevention due to surface treatment 2−27256
gas turbine engine emission meas., sampling, analysis and data reduction problems 2−22432
in-flight jet engine noise measurement system 2−22627
mission endurance computerised control system 2−22633
simulation, recovery from failure in twin engine augmentor wing aircraft 2−22607
test facilities, automated, with silencing system 2−22634
test facility, air cooled 2−27239
test instrumentation system, computerised test facility 2−11996
vibration characts. meas. of space shuttle engine turbopump 2−22702

aerospace ground equipment *see ground support equipment*

aerospace instrumentation
see also aircraft instrumentation; Langmuir probes
Ariane project, British contribution *(German)* 2−17488
avionic navigation system board and ground test, based on terrain correlation 2−17478
avionic subsystem maintenance information storage by electronic nameplate 2−3558
Communication Satellite-2 (CS-2) on-board communication equipment, engineering models, design and characts. 2−22643
cosmic research, scientific instrument manufacture *(German)* 2−22648
electric welding hazard to spacecraft electronics, test program 2−21147
ESOC flight dynamics support 2−22588
fault-tolerant communications processor, spaceborne 2−22644
fuel control in general aviation, microprocessor applns. 2−17530
gyroscope, space-qualified, noise meas. and anal. 2−7378
helicopter collision warning device, using microwave radar 2−27252
high-altitude spacecraft during June 1980, enhanced radiation dose effects 2−22639
hypersonic re-entry vehicles, miniaturised differential temp. gauge for boundary-layer transition onset detection 2−22656
instantaneous-action TV image dissectors and applications 2−26778
integrated optical components and circuits for space applications 2−3563
IR radiance model validation by sensor flight measurements 2−22652
IRAS gyroscopes in-orbit checkout 2−22651
laser to sensor automatic boresight for laser designator 2−7381
low-energy electron magnetometer for terrestrial and aerial mag. field meas. 2−3604
magnetic bearings appl., moving parts in space support 2−3550
Magnetic suspension isolation [Space Shuttle] in Space Shuttle 2−17492
Magsat spacecraft attitude computing 2−22591
metrological characts. *(Russian)* 2−7379
MIL-STD-461B, EMI and EM susceptibility requirements for aerospace instruments 2−21153
military electronics, Plessey developments, Si microelectronics impact 2−3555
missile flight safety system 2−22657
near-Earth spacecraft, attitude determ., in-flight magnetometer calibration 2−17485
port spectra and nonaverage power receptor models for intrasystem EMC anal. program 2−21148
power supply for plasma expt., -35 kV 2−7400
reentry vehicle instrumentation and communication techniques 2−22658
remote manipulators in space appl. 2−22636
satellite charging effects monitoring due to substorm environment 2−22655
scan actuator subassembly for Galileo project 2−17493
Sirio-2 program, MDD and Lasso missions 2−7366
Space Shuttle, data and control communication systems *(French)* 2−11982
Space Shuttle developments, preparation for second launch 2−12018
stress transducer stability testing, for meas. bond stress in rocket motor 2−22660
stress transducer verification for meas. stresses in solid propellant rocket motors 2−22661
synthetic aperture radar, spacetime for planetary geodesy and navigation 2−22646
TARPS test program set, avionics and its support capability development 2−22635
test techniques advances, conf., Indianapolis, IN, USA (April 1981) 2−22654
USAF avionics interface standardisation 2−3559
Si piezoresistive strain gauge technology in aerospace applications 2−17482

aerospace propulsion
see also aerospace engines
advanced high temperature thermoelectrics for space power 2−12944
aircraft engine compatibility with other on-board systems *(French)* 2−12042
aircraft fuel system testing and test instrumentation 2−17477
aircraft propulsion system, real-time simulation approach using parallel processing 2−27245
Comet Halley ion drive flyby, navigation accuracy anal. 2−17454
Comet Tempel 2, ion drive rendezvous, navigation accuracy anal. 2−17532
control subsystem DISCOS, drag-free operation heavy very low altitude satellite appl. 2−3534
electric main propulsion drive for remotely piloted aircraft 2−17533
exhaust plume of liq. fuelled rocket motor, three beam laser cross correlation meas. of density fluctuation 2−15592
flight from Paris to London by solar-powered aircraft 2−22701
fuel pumps flow visualisation 2−12004
interplanetary Mars-Earth-Venus shuttle, flight characts. with solar powered thermionic generator 2−17531
ion engine, magnetosphere modification due to Ar^+ ion injection 2−7402
rocket effluent effects on EM wave propagation in upper atmosphere 2−6329
rocket fuel burning meas., transducer test data evaluation with computer graphics 2−3547
selected rare earth studies in thermoelectric applications 2−12945
test instrumentation system, computerised test facility 2−11996
turbomachinery blade cascades testing, NAL transonic cascade tunnel facility 2−12011

aerospace simulation
see also aerospace test facilities
advanced aircraft electrical system simulation programs 2−3568

aerospace simulation continued
aircraft combat survivability, Multiple Environment Generator for EW Evaluation Simulator, radio emitter level 2−27241
aircraft development using water tunnel simulation facility 2−12010
aircraft electric generating system simulation by Sceptre program 2−3567
aircraft HVDC electrical system modelling program 2−3566
aircraft propulsion system, real-time simulation approach using parallel processing 2−27245
AMRAAM missile system simulation, Continuous Discrete Simulation Programming System, FORTRAN routines 2−3540
ATC, terminal area approach control, time domain model for two independent random flows of air traffic parameters *(Japanese)* 2−3570
ATC systems testing, simulated target generation 2−12046
attitude estimator, ESA starmapper meas. results computing 2−27238
computer generated images, used for simulators, training aids *(French)* 2−11986
data enhancement and analysis, through mathematical deconvolution of signals 2−11993
digital sound simulation techniques for flight simulators 2−7370
DME/DME, area navigation appls., fix geometry, aircraft/environment computer simulation 2−16525
dynamic simulation in wind tunnels, DFVLR test facility for civil transport aircraft 2−12009
engine performance, recovery from failure in twin engine augmentor wing aircraft 2−22607
ESA EMC computer program, simulation of conducted EMC in spacecraft performance prediction 2−22608
failure analysis, thermal-vacuum test optimisation 2−22618
flight control, piloted simulation of an on-board trajectory optimization algorithm 2−11989
flight path trajectory display 2−3562
flight simulation, Analogic ANDS-5400 modular data logging system appl. *(German)* 2−26789
flight simulator visual system characteristics 2−7371
geostationary station acquisition and station keeping with low-thrust systems [geostationary missions] 2−22599
graphics applications to aircraft and other simulation 2−7367
helicopters flight in icing conditions development 2−17460
homing missile guidance systems anal., Statistical Linearization odjoint method for nonlinear systems, computer tool 2−7368
hydraulic servos, appl. in flight simulation 2−22609
ILS using laser tracker 2−22626
image generation by computer for simulators 2−11987
in-flight simulation, effects of digital control 2−17469
IR radiance model validation by sensor flight measurements 2−22652
lightning transients simulation in aircraft, TRANSIMM model 2−27246
low level lightning simulation test development in the 1980s 2−27249
microwave landing approaches, computer animated predictive displays 2−12017
missile guidance system simulation for the '80s 2−3542
missile system simulation validation 2−3541
mission endurance computerised control system 2−22633
Navstar space-based navigation system, computer simulation and performance capabilities 2−21878
near-Earth satellite orbit determ., 1981-status and future trends 2−27231
NEMP type lightning indirect effects simulator for aerospace vehicles 2−27242
numeric LED displays in aircraft cockpit, legibility, effect of 3-25 Hz sinusoidal vibration 2−3539
PATRIOT Guidance Test and Simulation Facility, hardware-on-the-loop missile system simulation in real time 2−7369
pointing system modeling for performance prediction 2−17470
real-time event insertion panel and software for digital simulation 2−7372
RF target simulation system 2−17468
satellite identification and control, using partitioning methods 2−27243
satellite model testing in combined environmental simulator 2−22610
satellite response and separate body testing within an SGEMP simulator 2−17465
satellite shaded Sun sensor modelling, general approach 2−22616
satellite system-generated EM pulse simulation fidelity criteria 2−17464
SIRIO-2 LASSO mission, orbit determ. simulations using laser ranging data 2−27244
spacecraft charging tests using multiple electron guns, NASCAP simulation 2−22611
thruster performances modelling and parameters estimation 2−22620
triangulation in systems with unknown deterministic biases, using three bearing method 2−22612
vibration environments simulation, strapdown inertial navigation development 2−17499
visual scene display for flight simulators *(Japanese)* 2−11386

aerospace test facilities
see also wind tunnels
air cooled engine test facility 2−27239
air flow rate meas. in aviation motor construction 2−17467
aircraft ATE interfacing using antenna couplers, TACAIR electronic warfare program 2−22689
aircraft development using water tunnel simulation facility 2−12010
aircraft engine trim test set, computer controlled 2−22704
aircraft navigation systems, flight testing and instrumentation 2−17473
aircraft systems test requirements analysis 2−22631
aircraft take-off and landing performance meas., using inertial sensing system 2−17480
aircraft test-analyse-fix condition selection for maximum savings 2−7375
ATE development, flight line electronic warfare testers evolution 2−22632
avionics and test equipment design for testability 2−7374
avionics integration support facility, embedded computer software modification config. and data management 2−7373
avionics system testing, Caravelle flying laboratory 2−12031
computerised image analysis for aerodynamic testing 2−22622
Electromagnetic vulnerability testing of the tactical air reconnaissance pod system 2−21137
EM damper and ferrite isolated data link for SGMP testing 2−17466
EM effects attached lightning, test techniques comparison 2−27247
engine automated air-cooled test facility, with silencing system 2−22634
environmental testing, Eglin Air Force Base McKinley Climatic Laboratory capabilities 2−17474
environmental testing of critical missile component 2−22617
flight test instrumentation, conf., Geilo, Norway (Oct. 1980) 2−13158
flow visualisation in fuel pump impeller passages, low specific speed 2−12004
fuel system testing and test instrumentation 2−17477
helicopter flight testing, real time analysis 2−22619
helicopter icing protection and testing *(French)* 2−12014
helicopter rotor blades stresses obs., functional limits on speed and load factor *(French)* 2−12013
helicopters flight in icing conditions development 2−17460
in-flight jet engine noise measurement system 2−22627
innovative test equipment design 2−3537
jet engine testing noise abatement 2−3546
lightning induced transients in wiring, swept CW measurement technique 2−27248
military, air-to-air gunnery systems test and evaluation 2−17476
military aircraft, reliability and maintainability evaluation during initial testing 2−17459
military aircraft equipment EMC certification, critical systems safety determ. 2−17497
military flight trials, air to ground weapon aiming accuracy measurement techniques 2−17475
mission endurance computerised control system 2−22633
multispectral scanner test-bed aircraft system, radiometric performance 2−3545
navigation system board and ground test, based on terrain correlation 2−17478
OTS-2 Orbital Test Satellite, orbital thermal-control experience 2−3528
PATRIOT Guidance Test and Simulation Facility, hardware-on-the-loop missile system simulation in real time 2−7369
position meas. of flight test airplane, using microwave systems 2−17132
programmable multipurpose flight test instrumentation system 2−17479
propulsion computerised test instrumentation system 2−11996
rocket fuel burning meas., transducer test data evaluation with computer graphics 2−3547
Rolls-Royce turbomachinery research, flow diagnostics using holographic interferometry and laser anemometry 2−12041
satellite model testing in combined environmental simulator 2−22610
satellite testing, communications, DSCS III 2−12001
shock oscillations on spiked body obs., flow visualisation using laser interferometer 2−12003
solar modules, wind-simulation tester 2−4352
space chambers, small, vac. pumping systems *(Japanese)* 2−27240
Space Shuttle Orbiter avionics validation, process, meas. and control systems 2−17471
Spacelab System Verification Program 2−3529
STARSAT, anal. and research satellite, SGEMP test, high-level current injection testing 2−17463
tactical navigation system testing [software intensive systems], software intensive systems development 2−17472
TARPS test program set, avionics and its support capability development 2−22635
thermal-vacuum test optimisation, failure charact. determ. 2−22618
Tornado aircraft automated test system, development of RF station 2−26740
water towing tank techniques appl. 2−11995

a.f. amplifiers *see audio-frequency amplifiers*

a.f. oscillators *see audio-frequency oscillators*

AFC *see automatic frequency control*

afterglows
CRT screens response speed increasing method 2−3228
whistler wave propagation expts. using magnetized plasma device *(Japanese)* 2−15718
N atomic laser action in hollow cathode discharge 2−15447
Pb vapour laser, IR emission at 3.15 and 7.15 μ 2−20827
SiH_4-Ar plasma, Si atom diffusion and Si:H amorphous film deposition 2−19441

AGC *see automatic gain control*

age determination, radioactive *see radioactive dating*

age hardening *see precipitation hardening*

ageing
see also precipitation hardening
AC gas discharge display panel fabrication, MgO protective film deposition, characterization rel. to ageing charact. pre-diction 2−5521
AC plasma display, ageing studies and lifetime calculations 2−24892
AC plasma display panels 2−24891
electric fuse elements, aged with M-effect additives, time/current charact. *(German)* 2−9282
electrical ageing of dielectrics, math. model 2−9767
electrical insulation degradation investigation methods 2−15039
ethylene propylene insulated underground cables, breakdown voltage prediction from dielectric meas. 2−20441
ethylene propylene insulated underground cables, breakdown voltage prediction from dielectric meas. 2−20442
ethylene propylene rubber insulated power cables, environmental effects on rate of aging 2−22926
GANG bonding, process and accelerated aging test for gold-plated tape automated bonding outer leads 2−1079
HV instrument transformer insulation ageing determ. *(Hungarian)* 2−23348
HV micaceous insulants, electrical ageing governing factors and their variations 2−25392
HV power capacitors, hydrocarbon oil filled mixed dielectric, performance tests 2−14317
HV transformers, operating behaviour of insulation oils 2−7905
insulators, outdoor, moulded plastic, ageing tests for operation in various climatic conditions *(Finnish)* 2−27544
machine insulation failure, 'transition effect' in thermal ageing process 2−23253
MOSFETs, n-channel, threshold-voltage instability under bias-temp. ageing 2−25234
oil filled transformers, adhesive bonding systems for distribution transformer coils 2−15082
oil-immersed transformers, effects of local temperature-rise of constructional elements on insulating materials ageing *(Polish)* 2−4265
PCB glass fibre epoxy laminates, water absorption, accelerated ageing test rel. to elec. and phys. props. 2−14454
photovoltaic modules natural sunlight accelerated weathering using Super-Maq 2−18507
PMMA, electrical aging, light scatt. study 2−20444
polyethylene, multistress aged, impulsed dielectric breakdown 2−9804
polymeric materials in transformer oil, ageing charact. 2−15081

ageing continued
polypropylene isotactic films, thermal ageing under gaseous atmosphere 2−9760
power cables insulation, ageing studies, size exclusion and coupled chromatography 2−15079
predictive maintenance methods for transformers 2−27969
quartz oscillators, factors affecting freq. stability *(German)* 2−5869
steam turbine components, service life determ. and evaluation 2−27695
steel, low C, study of mag. ageing kinetics 2−15121
synchronous machines, salient pole type, age-related failure of wire-wound rotating field poles 2−23283
thermoplastic and cross-linked polyethylene cable insulation, morphology 2−9795
XLPE cable insulations, mineral filled, voltage endurance in wet and hot environment 2−15077
Al and alloys, AE during deform., microstruct. effect 2−13890
AlGaAs oxide stripe CW lasers, spatial mode stability during aging 2−6215
β-Al_2O_3-Na_2O ceramics, resist. ageing in Na-S cells 2−18439
CdS single crysts., photoinduced processes, ageing and annealing effects 2−15371
Cu_2S-CdS sprayed backwall solar cells for terrestrial appls., reliability 2−23544
$Ga_{1-x}Al_xAs$, DH LEDs, reliability for lightwave communications through accel. ageing studies 2−6121
GaAs-$Ga_xAl_{1-x}As$, semiconductor laser, rate of ageing 2−1958
InGaAsP-InP DH LED, accelerated aging and high temp. degradation 2−6117
ZnS phosphor powder for electrolum. panels, UV light induced ageing, photoacoustic spectroscopy study 2−6101

agriculture
see also farming
100 kWel/500 kWth solar farm type power station in Kuwait, multipurpose project 2−7776
electrostatic pesticide spraying, machine design and development, system requirements and characts. 2−10446
farm scale hydroelectric power below 50 kW, New Zealand 2−27778
Finnish agriculture, utilisation of alternative energy source *(Hungarian)* 2−23844
gasification of rice husk 2−17820
generating sets for power and water supply in Sudanese desert 2−8128
Green Thumb, USA agriculture information project 2−6574
greenhouse climate control, humidity sensors 2−17174
irrigation water, economic feasibility of solar pumping/ 2−23846
LANDSAT multitemporal data, environmental change monitoring system 2−7412
perspectives of development of electrical supply for agriculture, Soviet Union 2−13128
pilot biogas plant using agricultural waste, France *(French)* 2−18835
plant breeding house illumination, metal halogen lamps appl. *(Hungarian)* 2−23730
scatterometer measurements on crop and soil surfaces, crop monitoring appl. 2−17590
soil surface props. sensing using vibrator probe with piezoceramic transducer 2−12067
solar photoelectric plants for irrigation and supply of water to agricultural users 2−7774
solar powered pumping plants characts. 2−18063
wind turbines for irrigation pumping 2−18121
windmill, blade configurations and performance on the Savonius rotor with application to irrigation system in Indonesia 2−18135
H_2 storage, biomass, solar energy system for agriculture, drinking water and hydroelectric power 2−18058

air bases *see airports*

air blast circuit breakers
35 kV air blast breaker interrupting capacity against short ccts., tests 2−4313
HVDC, metallic return protecting cct. breaker, development and field appl. 2−18382

air clutches *see clutches*

air compressors *see compressors*

air conditioning
see also ventilation
100 kWel/500 kWth solar farm type power station in Kuwait, multipurpose project 2−7776
active solar cooling system using LiBr-H_2O absorpt. machine 2−13091
active solar heating and cooling systems, performance and cost 2−13084
air treatment using absorbents, power-economic anal. *(German)* 2−23782
buildings heating, ventilating and air-conditioning energy requirements reduction measures in USSR *(German)* 2−23772
central heating/cooling system, air-to-water heat pump, home use *(Japanese)* 2−13099
centralized control of technical equipment in building complexes 2−4471
chemical heat pumps and competitive systems, cost effectiveness and energy consumption evaluation 2−13089
chiller capacity frequency control 2−28251
compressor types 2−13094
computer engineering, principles of electrical energy economics *(Czech)* 2−8097
computer room air conditioning and power supply 2−8096
control systems static and dynamic behaviour anal. using digital computer *(German)* 2−23783
cooler units for third-rail subways *(Japanese)* 2−4478
diversity evaporator switching control, TV OB vehicles appls. 2−28256
domestic, rotary compressor efficiency improvement 2−28257
economic analysis and load management, cycling of residential air conditioners 2−17640
eddy current adjustable speed drives for central fan appls. 2−18650
electrical energy consumption in Nigeria 2−18781
electrical heat pump, basic principles and appls. *(German)* 2−23779
energy conservation at 148 bed general hospital 2−17443
energy optimisation *(German)* 2−28258
energy-management system with MELCOM 350-50 model A2300 computer *(Japanese)* 2−4474
energy-using durables, choice and utilisation, EPRI-sponsored study, November 1979 2−27418
high rise office energy management scheme using all-electric heating, air conditioning and lighting 2−8092
Kentucky solar house: a flexible experimental test bed 2−18783
life-cycle cost anal. methodology 2−18920

air conditioning continued
load leveling vs load shifting/ applied to residential air conditioning/ using phase change thermal storage materials/ 2−4480
measuring and testing instruments for airconditioning plants 2−13100
microcomputer applied to the control and reduction of consumption of energy *(Spanish)* 2−28253
microcomputerised control, HVAC and lighting energy use 2−23735
microprocessor-controlled multicentral air-conditioning systems *(Japanese)* 2−13096
MS-1814R room air conditioner, using energy saving ccts., microprocessor control *(Japanese)* 2−13098
new form of composite-rotor induction motor for fan drives 2−27922
noise meas. rating and prediction methods guide for air conditioning and ventilation equipment 2−3302
office buildings, summer comfort cooling trends 2−23778
packaged air conditioner for computer rooms *(Japanese)* 2−13097
packaged air conditioners, using two-wire control system, microprocessor control *(Japanese)* 2−13095
plant at Riyadh University, Saudi Arabia, heat pump appl. 2−8098
power system, space conditioning load, probabilistic model 2−7495
ranch house in USA, cooling energy saving by whole-house fan 2−13101
residential air conditioning and space heating control test programme 2−17657
residential air-conditioning system for heating and cooling, alternative power sources 2−23776
residential space and water heating using off-peak electricity supplied heat pumps 2−23764
Sol-Temp system, total energy solar collector for buildings 2−8099
solar assisted heat pump system, thermal anal. and outline 2−18780
solar energy anal. in India 2−23781
solar energy utilisation to increase thermal comfort in buildings 2−18782
space heating and air conditioning microprocessor control systems 2−13086
sunscreens performance for reducing air-conditioning loads in residential buildings in San Diego County 2−23780
three-phase invertor for rolling-stock air conditioning *(Japanese)* 2−4291
tunnel air cooling design for underground power cables *(Japanese)* 2−17728
use of microprocessors for optimal time on and off switching of heat and air conditioning plant *(German)* 2−23763
vehicle testing using UNIMETS, portable microcomputer based system 2−26752
H_2SO_4 chemical heat pumps for industry 2−13090

air permeability *see permeability*

air pollution
see also air pollution detection and control; smoke
coal fired power stations and the environment in West Germany *(German)* 2−12485
coal-fired power stations in USSR, increasing use in light of Soviet anti-pollution legislation 2−17991
contaminated insulator flashover mechanism, math. models *(French, English)* 2−27553
emissions by electric utilities in eastern USA, inventory 2−3895
metal finishing industry pollution control program 2−22745
municipal heat and power plant and the problem of emission *(German)* 2−27670
natural-draught cooling tower emissions, atmospheric impact assessment 2−23124
power station flue gas causing atmospheric pollution, W.German regulations *(German)* 2−23067
solar energy systems, effects of air pollution on system performance and design 2−12548

air pollution detection and control
500 MW generating station with inexpensive coal blending system 2−3924
500 MW power plant, two-stage venturi/absorber air quality control system 2−3919
720MW coal-fired power station flue gas sulphur removing plant operating experience *(German)* 2−27657
aerosol, particle size evaluations using multiwavelength extinction meas. 2−27269
aerosol plume dispersion over sea surface, remote meas. using DFVLR Minilidar 2−3638
aerosols, electro-optical meas. using laser beam *(German)* 2−3639
air pollution control for power plants 2−7705
aircraft turbine engine emission meas., sampling, analysis and data reduction problems 2−22432
baghouse filter design for pulverised-coal-fired boilers 2−23132
boiler baghouse design and initial operating experience 2−18008
boiler flue gas scrubbing system test results 2−23121
boiler flue-gas CO monitoring for efficient burning 2−23068
coal boilers fibreglass reverse-air filters service life extension by improved unit design and operation 2−23069
coal cleaning to improve boiler performance and reduce SO_2 emissions 2−17930
coal gasification combined cycle power generation hot fuel gas desulphurisation process development *(Japanese)* 2−27713
coal-fired plant with fabric filters for optimum air quality control 2−3931
coal-fired power stations, desulphurisation system state-of-the-art for flue-gas caused environmental pollution prevention *(Japanese)* 2−17928
commercial scale dry scrubbing system for SO_2 control 2−3893
concentrated double alkali flue gas desulphurisation process operating experience 2−23120
contamination measurements with quadrupole mass spectrometer 2−22749
dry scrubber development for flue gas cleaning 2−23118
dry two-stage flue gas desulphurisation system for converted boiler 2−23131
electric gas cleaning in the USSR 2−22748
electrical installations, protective devices research and development trends in Rumania *(French)* 2−43
electrostatic precipitators for industrial gases cleaning, cost-effectiveness 2−27301
emissions from thermal power stations, automatic monitoring and control equipment, in USSR 2−17586
flue gas desulphurisation systems, technical and economic evaluation factors 2−23078
fossil-fuelled power station load dispatching method that reduces air pollution by SO_2 *(Japanese)* 2−17980
gas turbine design modifications to reduce NO_x emissions, trends 2−7743
Gaussian plume model *(Japanese)* 2−17585

air pollution detection and control continued
Gelderland 600 MW dual coal/oil-firing power station, technical details and environment protection measures *(German)* 2—27686
grey iron machining, dust content determination 2—3637
industrial electrostatic precipitators, modelling and control 2—21057
laser application to atm. gas remote meas., Raman reson. diffusion method *(French)* 2—22750
laser radar and appls., review 2—11122
lichens and air pollution monitoring 2—12089
lidar method, three-wavelength, for mass conc. meas. in pollutant cloud 2—17584
lidar mobile system for environmental probing 2—21871
limestone flue gas desulphurisation system startup experiences 2—23119
Matsushima thermal power plant flue gas desulphurisation system operation results *(Japanese)* 2—27712
methane monitoring, Pb-salt diode laser tunability utilisation 2—12081
methane/total hydrocarbon automated analyzer for aircraft atmospheric meas. 2—12075
MHD system NO_x chemical kinetic modelling 2—12092
monitoring of air pollutants, gas and metals *(Italian)* 2—3097
monitoring technique *(German)* 2—27302
motor vehicle computerised emission control system 2—8051
multicomponent gas mixtures automatic analysis, data interpretation 2—7449
NOx removal process by injection of NH_3 and H_2O_2 in gas turbine exhaust gas 2—18036
Nuremberg distinct heating power station chimney design *(German)* 2—27684
optimisation of control model by linear programming 2—3636
organophosphorous compounds and pesticides detection using coated piezoelectric crystal 2—12088
PADAR: photo-acoustic detection and ranging—a new technique for the remote detection of gases 2—27300
plume dispersion over sea surface, remote meas. using DFVLR minilidar 2—17583
power plant particulate control equipment design standards 2—3894
power station flyash re-entrainment in baghouse operation, test 2—17977
protection measures against air and water pollution at Swiss PTT, quantitative and qualitative measurements *(German French)* 2—12091
radiocarbon dating techniques, appl. to air pollution studies 2—27299
remote probing using CO_2 DIAL system 2—3633
rubber industry, atmospheric monitoring techniques 2—3635
sampling strategies *(German)* 2—27303
simulated tests developments 2—22613
smog forecasting, accurate Doppler radar meas. of atmospheric speed of sound *(Russian)* 2—27275
smoke plume, airborne lidar meas. of plume distrib., vertical transmission and particle size 2—27270
stack effluent spectral meas. using double-beam interferometer 2—17579
HF gaseous concentration meas., CW He-Ne laser appls. 2—25880
H_2SO_4 vapour in combustion gases, continuous meas. by portable automatic monitor 2—22431
NO_2 profile in stack plume, remote meas. by differential absorpt. LIDAR *(Japanese)* 2—22746
NO_2 remote monitoring by differential absorpt. using optical fibre link 2—3592
NO_x emission reduction in pulverised coal combustion *(German)* 2—27683
S removal from Indiana V coal during two stage liquefaction process, feasibility study 2—3835
SO_2 concentration meas. by lidar and computer 2—22744
SO_2 emission control, cost-effectiveness of coal cleaning and flue gas desulphurisation 2—18017
SO_2 emission control by dry scrubbing of boiler flue gases 2—23117
SO_2 wet scrubbing systems, operating cost estimates and weighted evaluations 2—18023

air pumps *see compressors*

air terminals *see airports*

air traffic computer control
air situation image building by tracking independently sampled radar measurements 2—22708
Aircat systems development by Thomson-CSF, description of operation 2—12047
airport departures noticeboard telecontrol working experiences *(French)* 2—22705
Automatic Conflict Analysis system appls., critical interface, implementation and user problems *(Italian)* 2—7403
automation systems architecture developments *(Italian)* 2—3571

air-traffic control
see also air traffic computer control; aircraft
ADSEL secondary surveillance radar development, used for air traffic control 2—26525
approach control of terminal area, average delay, alarm rate and flight accuracy 2—12048
BRANDS alphanumeric radar display system, for tower controllers 2—12045
communication links, future developments 2—17535
microwave landing approaches, computer animated predictive displays 2—12017
radar surveillance system, corrected slant range approx. 2—7405
radio communication control scheme, voice-data co-channel operation *(Japanese)* 2—2695
radio receiver, air traffic control communications *(Spanish)* 2—16607
satellite applications in position finding and communications, resolution and accuracy *(German)* 2—17536
secondary radar system Adsel/DABS, data link performance 2—27257
simulated target generation, for ATC systems testing 2—12046
terminal area approach control, time domain model for two independent random flows of air traffic parameters *(Japanese)* 2—3570
threat-alert and collision avoidance system 2—22641

aircraft
see also aerospace control; aerospace instrumentation; air-traffic control; helicopters
60 kVA permanent magnet starter generator system for aircrafts 2—17501
AC generating equipment developments 2—3565
advanced aircraft electrical system simulation programs 2—3568
Air Systems EMI Corrective Action Program, ASEMICAP, naval aircraft appl. 2—25995
airborne hospital equipment, EMC program 2—21161
Airbus project development, BA's involvement 2—27225

aircraft continued
avionic multiprocessing system SOVAC 2—22683
avionics development 2—22664
avionics multiprocessing system architecture 2—22674
avionics multiprocessing system PEARL software 2—22673
carbon fibre composites, RF characteristics, elec. resist meas. for freq. range DC-300 MHz, screening performance, appl-. in aircraft EMC problems 2—6345
CNC machine tool position and trends *(German)* 2—4501
combat survivability, Multiple Environment Generator for EW Evaluation Simulator, radio emitter level 2—27241
composite material aircraft EM design and synthesis, lightning and NEMP coupling 2—27250
continuous reconfiguration in a multi-microprocessor flight control system 2—22669
Dispersed Sensor Processing Mesh project 2—22680
distributed processing architecture 2—22665
DME/DME, area navigation appls., fix geometry, aircraft/environment computer simulation 2—16525
economic considerations for real-time naval aircraft/avionic Distributed Computer Control Systems 2—22672
electric generating system simulation by Sceptre program 2—3567
electronic systems for detecting submarines 2—11113
engine compatibility with other on-board systems *(French)* 2—12042
engine performance simulation, recovery from failure in twin engine augmentor wing aircraft 2—22607
engine time test set, computer controlled 2—22704
F-8 digital fly-by-wire aircraft analytic redundancy management flight test experience 2—7391
F/A-18 weapons system support facilities 2—22686
F/A-18A Tactical Airborne Computational Subsystem 2—22685
fibre optic data link for EMP meas. 2—21122
flight control multiprocessor architecture 2—22667
flight from Paris to London by solar-powered aircraft 2—22701
functional versus communication structures in modern avionic systems 2—22668
gas turbine isoparametric shell structures anal. 2—18034
ground power supplies for aircraft 2—7401
HVDC electrical system modelling program 2—3566
integrated control of mechanical systems for future combat aircraft 2—22684
integrated inertial sensors development 2—7390
integrated navigation systems based on multiple DME 2—7389
landing gear longitudinal instability 2—13006
landing gear systems status and developments 2—17458
lightning strike, damage survey, US naval inservice aircraft 2—27251
LORAN-C evaluation for nonprecision approach appls. 2—2849
maintenance, human performance and reliability *(French)* 2—22584
microwave landing system, advantages over instrument landing system 2—2845
military, reliability and maintainability evaluation during initial testing 2—17459
military, Sea Harrier development and design features 2—11980
model studies of the role of aircraft electrisation in lightning initiation *(Russian)* 2—11981
multimicroprocessor-based instrumentation 2—22670
multiprocessing system, conf. at Roros, Norway (1981) 2—22663
next generation military aircraft will require hierarchical/multilevel information transfer systems 2—22681
noise control test facilities at Douglas Aircraft Company, USA 2—11988
noise identification system for inflight position detector 2—11124
performance study of a distributed microprocessor architecture for use aboard military aircraft 2—22666
ring laser gyro navigator advanced development model, flight test results 2—7388
RPVs, conf., Bristol, England (Sept. 1979) 2—7406
screening systems for luggage, parcels, personnel 2—13256
SIFT, multiprocessing system architecture 2—22682
simulation facility using water tunnel 2—12010
SINTAC program, positioning performances *(French English)* 2—6870
spot welding computerised robot charact. *(German)* 2—4500
stage-state reliability analysis technique 2—19056
strapdown attitude and heading reference system utilizing ring laser gyros 2—7382
strapdown sensor parameter estimation for inertial system error compensation 2—7387
test cylinder, response to EMP simulator 2—25976
thunderstorms hazards and their avoidance 2—17445

aircraft communication
7.5 GHz microstrip phased array for aircraft-to-satellite communication 2—10595
air defence, tactical operations control systems 2—11114
ATC, satellite applications in position finding and communications, resolution and accuracy *(German)* 2—17536
future airborne communication systems, trends 2—2705
Jaguar V frequency-hopping radio 2—2707
JTIDS distributed TDMA (DTDMA) terminal development results with emphasis on relative navigation performa-nce 2—7386
JTIDS dual grid navigation using time synchronized data links 2—6869
laser communications acquisition & tracking flight tests 2—11092
multibeam adaptive array for main-beam interference nulling 2—6378
navigational aids and communication review of history and future 2—10999
RPV antennas, review and developments 2—7408
RPV data links, design and parameters 2—7407
RPVs, conf., Bristol, England (Sept. 1979) 2—7406
SATCOM airborne terminal for EHF/SHF 2—16436
spread spectrum, tactical airborne communication system developments 2—2703
threat-alert and collision avoidance system 2—22641
UHF receiver, dynamical response to fading 2—16349
UHF satellite communications, low cost airborne terminal concepts 2—16438
VHF communication link, combined amplitude-phase modulation 2—2726

aircraft instrumentation
Advanced Aircraft Electric Power System 2—12038
Advanced Super 80 HUD, head-up display 2—7380
air navigation aids, introduction *(Spanish)* 2—22647
air navigation aids, Loran, Doppler systems *(Spanish)* 2—21874
Airbus A310 position pick-off unit 2—17487

aircraft instrumentation continued
ARINC 429, avionic bus, protocol components and equipment *(French)* 2−3556
ATE interfacing using antenna couplers, TACAIR electronic warfare program 2−22689
avionic multiprocessing system SOVAC 2−22683
avionics development 2−22664
avionics fibre-optic built-in test development 2−7396
avionics implementation of DAIS executive 2−3557
avionics multiprocessing system architecture 2−22674
civil head-up displays 2−22642
clear air turbulence warning system for aircraft, IR radiometry system 2−17486
cockpit, advanced design, for tactical aircraft 2−12021
cockpit colour CRT display technology 2−3560
cockpit displays, multifunction displays and switches 2−17483
cockpit displays *(German)* 2−3549
continuous reconfiguration in a multi-microprocessor flight control system 2−22669
control display, analysis and design using optimal control model of human pilot 2−3551
digital avionics systems self-contained testing, parametric relationships 2−22662
digital databus in Mirage 2000 aircraft *(French)* 2−12033
digital systems, colour cathode-ray tube display system for Airbus A310 cockpit 2−12029
Dispersed Sensor Processing Mesh project 2−22680
distributed processing architecture 2−22665
ECM equipment perf. evaluation using EW evaluation program (EWEP), airborne military systems appl. 2−3553
ECM systems testing, in factory and field environments 2−22129
economic considerations for real-time naval aircraft/avionic Distributed Computer Control Systems 2−22672
electronic display instrumentation, review 2−12027
electronic displays conference, London, England (Sep. 1981) 2−18866
electronic technology in avionics 2−17481
electronic warfare system development for Air Forces, user's perspective 2−3554
electrostatic disturbances in aircrafts, protection *(Czech)* 2−12028
EMC conf. Bolkesjo, Norway, 1981, Aug. 2−18876
F-8 digital fly-by-wire aircraft analytic redundancy management flight test experience 2−7391
F/A-18 weapons system support facilities 2−22686
F/A-18A Tactical Airborne Computational Subsystem 2−22685
flat-panel displays and integrated cockpit avionics 2−17490
flight control, piloted simulation of an on-board trajectory optimization algorithm 2−11989
flight control multiprocessor architecture 2−22667
flight path trajectory display 2−3562
flight test instrumentation, conf., Geilo, Norway (Oct. 1980) 2−13158
flight test signal conditioning trends 2−17498
functional versus communication structures in modern avionic systems 2−22668
generator frame mode shapes and resonant freqs., finite element appl. 2−12037
head-up displays−the integrity of flight information 2−12024
helicopters, Electronic Master Monitor and Advisory Display System 2−3561
helicopters flight in icing conditions development 2−17460
hierarchical specification of the SIFT fault tolerant flight control system 2−22676
high-integrity 1553-based avionic systems, LSI bus interfacing chips 2−22637
in-flight jet engine noise measurement system 2−22627
inertial measurement units, fault detection 2−17494
installation, practical aspects 2−17489
integrated control of mechanical systems for future combat aircraft 2−22684
landing gear systems status and developments 2−17458
LANTIRN wide field-of-view raster head-up display 2−7395
large area hybrid module, for ultrahigh-speed avionics signal processors 2−24843
laser warning 2−7376
maintainability and reliability trends 2−12023
meteorological system for reentry environmental conditions forecasting 2−22659
methodology for measurement of fault latency in a digital avionic miniprocessor 2−22675
metrology management data acquisition 2−22691
microcomputer-aided maintenance 2−12015
microwave landing approaches, computer animated predictive displays 2−12017
microwave system for real-time position meas. 2−17132
MIL-STD-1553 bus controller and multiplex remote terminal 2−7397
military, Sea Harrier development and design features 2−11980
military aircraft equipment EMC certification, critical systems safety determ. 2−17497
military aircraft instrumentation installation, sneak analysis appl. 2−17500
military aircraft optical data bus receiver 2−7398
monopole antenna patterns on finite size composite ground planes, aircraft structures appls. 2−3564
multicolour CRT flight control displays for transport aircraft 2−3548
multimicroprocessor-based system 2−22670
multiprocessing system, conf. at Roros, Norway (1981) 2−22663
multiprocessing system, protocol level modules 2−22678
multiprocessing system reliability 2−22677
navigation and attack system, of German alpha-Jet aircraft *(French)* 2−12032
navigation systems, flight testing and instrumentation 2−17473
navigational aids and communication review of history and future 2−10999
next generation military aircraft will require hierarchical/multilevel information transfer systems 2−22681
Nimrod Airborne Early Warning aircraft, mission system avionics 2−12019
Nimrod Airborne Early Warning aircraft avionics, R&D management 2−8190
nose radomes, design and manufacturing aspects 2−12020
numeric LED displays in aircraft cockpit, legibility, effect of 3-25 Hz sinusoidal vibration 2−3539

aircraft instrumentation continued
optical data transmission systems for use in avionics 2−22649
optical fibre links, economics and key trade-offs, airborne platform example 2−15336
overhead wire detection techniques for helicopters 2−12022
passenger multiplexing service system for Boeing 767, in-plane and on-ground test equipment 2−12034
performance study of a distributed microprocessor architecture for use aboard military aircraft 2−22666
permanent magnet electrical generating system 2−12040
practical aspects which apply to MIL-STD-1553B data networks 2−22679
quartz-iodide lamp for testing head-up in avionics displays 2−7377
radionavigation, Distance Measuring Equipment, expt. unit, components and appls. *(Japanese)* 2−2843
radomes, design and performance review 2−12026
real time IR reconnaissance for RPVs 2−7394
RF line replaceable units, ATE support 2−22687
sea surveillance, scanning radar or side-looking radar systems 2−21862
sealed Pb-acid batteries for aircraft appls. 2−12036
SIFT, multiprocessing system architecture 2−22682
stage-state reliability analysis technique 2−19056
tactical navigation system testing [software intensive systems], software intensive systems development 2−17472
take-off and landing performance meas., using inertial sensing system 2−17480
test-analyse-fix condition selection for maximum savings 2−7375
testability concepts, measures and enforcement 2−22690
testing integral avionics system, Caravelle flying laboratory 2−12031
threat-alert and collision avoidance system 2−22641
Tornado ADV aircraft, avionic display development 2−22653
variable speed const. freq. electrical system, cost of ownership 2−12039
velocity field near a wing-fuselage combination at an angle of attack in a supersonic stream 2−12016
VHF omnirange radial aircraft navigation system, waveform synthesis and calibration 2−12025
vibration environments simulation, strapdown inertial navigation development 2−17499
videocassette TV systems for civil aircraft, safety and reliability 2−11233
VTOL landing guidance, shipboard, navigation performance evaluation 2−17484
weapon delivery simulation, with airborne data acquisition and ground-based processing 2−17496

airfields *see airports*

airglow
see also atmospheric spectra
No entries

airmail *see postal services*

airports
airport departures noticeboard telecontrol working experiences *(French)* 2−22705
airport luggage inspection using X-rays 2−24016
ground power supplies for aircraft 2−7401
noise zone limits determ. using acoustic modelling *(Hungarian)* 2−3572
Phoenix Airport, Arizona, solar photovoltaic concentrator project, 225 kW 2−18098
radar wind shear detection system 2−26537
telecommunications service requirements, Warsaw example *(Polish)* 2−2433

alarm systems
access control monitoring system 2−4612
Alarmtransfer, teleservice connected to central monitoring point through normal telephone lines *(Norwegian)* 2−18948
anti-intrusion remote surveillance network with distributed intelligence *(Italian)* 2−16110
anti-theft closed loop device, using logic ICs 2−19816
Austrian radio station protection equipment *(German)* 2−16362
automobile burglar alarm/lock cct. using ICs 2−4442
automobile headlight reminder alarm 2−4438
automobile reversing audible alarm, 556 dual timer IC appl. 2−13041
automobiles, speed sentry alarm system for monitoring of vehicle speed 2−8055
baby alarm, using microphone, bipolar transistor amplifiers, loudspeaker 2−14236
burglar alarm system for apartment building, microprocessor 6802 appl. 2−13255
buzzer for electronic watch, direct drive type 2−25394
car alarm horn pulsing cct, using 555 timer, earth strap PD sensor 2−18735
car lights warning alarm, circuit description 2−13043
car theft alarm, using monostable multivibrators, transistor driver 2−8060
disturbance anal. systems for nuclear plant safety 2−23036
domestic premises, two-way cable TV appl. 2−16685
EHV/MV plant at Matla and Duvha power stations, meas. and control design concepts 2−3938
electrical apparatus cooling using pressurized fluid, protection system using pressure sensor to prevent overheating 2−7079
electrical circuit of the ChMe 3 diesel locomotive, Soviet Union *(Russian)* 2−28168
electrical fire alarm signalling equipment/−basic regulations and diagrams *(Czech)* 2−57
electronic security monitor for office equipment, low-power FM transmitter/receiver system using AC power line 2−2660
electronic warbling tone door bu er, using 555 timer IC, 2N2646 unijunction transistor 2−849
ERICARE, alarm system to allow people living alone to call for help 2−16022
excess speed indicator, for automobiles *(Spanish)* 2−13047
fan speed monitoring cct., using multiplexing for checking 6 units simultaneously 2−26963
fault tolerant techniques for power plant computers 2−23015
fine detector, circuit 2−14237
fire alarm system based on optical fibres *(French)* 2−13252
fire alarm system requiring no energy supply at detector *(French German)* 2−13238
fire detection and alarm systems for protecting life 2−18953
helicopter collision warning device, using microwave radar 2−27252
high-speed Paris-South West line, traffic control and points switching centre *(French)* 2−23701
home security systems 2−51

alarm systems continued
house alarm cct., DIY *(Italian)* 2−19808
intruder detector, using IR activated alarm signal *(French)* 2−19818
LASL long-range, characts. 2−62
light/water alarm, using ICM 7555, photocell, water sensor 2−5302
microcomputer based, characts. 2−64
micropower, analogue alarm-type monitor circuits, design methods 2−9168
microwave burglar alarm oscillator AEI Doppler Module, PW Exe transceiver appl. 2−6745
microwave movement detector, based on Doppler radar principle *(German)* 2−22269
monitoring system with CPU control, contact sense multiplexer using TDM 2−16879
MOS five detector IC, with digital and analog functions 2−14263
motorway telecom. emergency alarm system *(Polish)* 2−21658
multichannel bidirectional RF cable TV system, security monitoring appl. 2−16655
noise immunised annunciator for multichanneled telemetry system 2−3090
open door monitoring circuit with alarm 2−16932
optical fibre appl. in intruder, fire alarms 2−15337
outdoor intrusion detection systems, influence of meteorological phenomena 2−13253
performance and compatibility 2−63
perimeter intrusion alarm systems, USA testing standards 2−16970
pressure sensor burglar alarm system, using 741 ICs 2−3131
railways, hot-box detection on new line *(French)* 2−23698
rationalisation with AWAG *(German)* 2−16233
refrigerator alarm, using rod thermistor temperature sensor 2−872
reporting services, untapped telco market 2−23969
road traffic automation, digital integrated telecommunication system decomposition 2−16191
satellite emergency supervisory system for rescue services *(Polish)* 2−21798
screening systems for luggage, parcels, personnel 2−13256
security arrangements at International Congress in Berlin, fire alarms, patrol checks and break-in alarms *(German)* 2−55
security system CCTV, video disc recording appl. 2−26639
smoke detector chip, temperature sensor/alarm appl. 2−22228
supervision centre principles, system using serial data communication *(Danish)* 2−18947
SWR warning alarm cct., amateur radio appls. 2−21738
telecommunication network transmultiplexer exploitation and advantages 2−6677
telephone receiver with alarm reset *(Dutch)* 2−16230
thermal alarm, low power consumption, construction details 2−9172
ultrasound burglar alarm, using ultrasonic transducers, Schmitt trigger, op amp ICs 2−3641
universal signalling digital transmultiplexer design, TM 7400-M2 2−2602
visual 'doorbell' for the deaf, cct. 2−850
volumetric terrain following sensor, 915 MHz, coaxial transmission line, outdoor perimeter surveillance appl. 2−13254

Alfven waves *see magnetohydrodynamic waves; solid-state plasma*

algebra
see also Boolean algebra; linear algebra; matrix algebra
abstract data type concepts, comparative study 2−24250
algebraic closure and Skolemization, functorial properties 2−8613
Banach space, algorithms regularising *(Russian)* 2−311
Boolean programming and clique number 2−19254
bounds for solutions of systems of linear equations 2−13341
C*-algebras, subcentrality of restrictions of boundary measures on state spaces 2−8611
commuting rings of simple A(k)-modules 2−8614
computational complexity of algebraic functions/ 2−488
Dirichlet-finite outer functions 2−19067
Fourier algebras, harmonic anal. 2−157
Frattini subalgebra of infinitary algebra 2−4696
non-quasi well-behaved derivation in C(I), example 2−8348
ranking of extension alternatives of R&D projects 2−18931
real symmetric Banach *-algebras 2−19064
star products−deformation parameters *(French)* 2−24027
token game playing in an algebra 2−24067

algebraic manipulation *see symbol manipulation*

algorithm theory
see also computational complexity; programming theory
graph-theoretic algorithms implementation on computer 2−24184
shifting alogrithm for min-max tree partitioning 2−19186

algorithms (computer listings) *see subroutines*

all-pass filters
digital all-pass transfer function with all possible coefficient combinations 2−19798
group-delay equaliser, active Darlington allpass filter *(German)* 2−19809
inductorless current conveyor allpass filter using grounded capacitors 2−24590
phase shift cct., using all-pass filter with RC-pump element *(Rumanian)* 2−24622
two-variable approach/ to the model reduction problem/ with Hankel norm criterion/, all-pass rational function determ. 2−655

Al_2O_3 *see alumina*

Al_2O_3-α *see corundum*

α-Al_2O_3 *see corundum*

alpha-particle detection and measurement
see also alpha-particle spectrometers; radioactivity measurement
cellulose nitrate, Kodak LR film, ang. sensitivity to α-particles 2−17280
dielectric detectors, α-particle track autoradiography appls. *(Russian)* 2−7288
Ge(Li) coaxial detectors, charge losses in sensitive film near-surface region *(Russian)* 2−17257
Si diode matrix array for α-particle autoradiography 2−3402

alpha-particle effects
air luminescence yield under influence of ^{239}Pu α-particles 2−25588
C-CD page storage chip isolation from α-particle-induced soft errors 2−19669
LSI circuits, reliability physics conf., Orlando, Florida, USA (April 1981) 2−18861
MOS RAM, dynamic, refresh time degradation by irradiation of alpha particles 2−1452
MOSFET device, SiO_2 ionisation by heavy charged particles 2−14858

alpha-particle effects continued
RAM 16K dynamic semicond. memories, α-particle sensitivity reduction by neutron irradiation 2−14106
RAMs, use of silicone room temperature vulcanising rubber for alpha particle protection 2−14936
VLSI dynamic RAMs, alpha-particle effects, simulation models, collected charge in 1 μm devices 2−19682
Nb-amorphous Si-Nb Josephson digital devices, upset events under α-particle irradiation 2−15244
Si ICs, p-n junctions, dynamics of charge collection from alpha-particle tracks, computer simulation 2−5796
Si p-n junction, alpha particle irrad., radiation defects 2−5618
Si semiconductor devices, screenable alpha particle barrier 2−1261
Si surface barrier detector, ^{244}Cm and ^{252}Cf spontaneous fission fragments pulse height spectra 2−11784

alpha-particle spectra
No entries

alpha-particle spectrometers
see also alpha-particle spectra
No entries

alpha-rhythm *see bioelectric potentials*

alpha-rhythm measurement *see electroencephalography*

alternators
alternator-rectifier excitation system models and verification tests 2−18344
equation of motion $d^2y/dx^2+c^2\sin y=0$, solns. for pendulum and alternators 2−8402
MF, precise permeance calculation methods 2−27900
multimachine power systems, transient characteristics of subsynchronous resonance *(French)* 2−12130
scalar potential method for the calculation of the magnetic field in the automotive alternator 2−4106
ship-board, two-pole alternators, new series *(Japanese)* 2−7828
superconducting, equivalent circuit model 2−4077
superconducting, magnetic fields calc. 2−4076
two-dimensional winding models for the calculation of magnetic fields in superconducting turbogenerators 2−23271
variable speed constant freq. solid rotor, losses calc. 2−18194

altimeters
see also radioaltimeters
laser altimeters, anal. of target signatures 2−27260
radar, remote sounding of atmosphere and ocean, for climate research 2−3585
wave profiling system for surface effect ship 2−22743

altitude measurement *see height measurement*

alumina
see also corundum
β-alumina composition effect on Na-S cells 2−18440
anodic film, oxidation of Al, ion beam nuclear analysis *(French)* 2−589
anodized film, on line colour meas. during electrolytic colouring 2−26977
arc tube performance obs., alkali metal and halide vapours interaction with ceramic materials 2−13054
crystal, structural props. under dielec. load 2−1466
film covered p-CdTe, annealing effects *(Japanese)* 2−20147
humidity sensor *(German)* 2−11428
masks for Si reactive sputter etching with very low mash-material etch rates 2−9570
β-phase in Na-S batteries, interface resistance study 2−18442
β- phase membrane with oriented conduction plane, ion transport in Na-Na cells 2−18441
pyrolytic, deposition temp. effect on InP inversion-mode MISFET 2−9659
solid electrolyte, degradation mechanism, β-phase 2−18448
substrate with thick film Au conductor pastes for high density ccts. 2−24830
substrates for thick film resistors, multilayer, processing considerations 2−24731
Al-Al_2O_3-Ag MOM tunnel structs., surface plasma oscills., dispersion anomalies 2−9520
Al-Al_2O_3-Ag tunnel junctions on gratings, light emission 2−20155
Al-Al_2O_3-Ag tunnel structures, dispersion anomalies of surface plasma oscills. 2−14737
Al-Al_2O_3-metal thin film capacitors, breakdown voltage rel. to capacitor area 2−20153
Al-AlO_x-Pb(Ag) structure, inelastic electron tunnelling spectroscopy 2−14734
β-Al_2O_3-Na_2O ceramics, resist. ageing in Na-S cells 2−18439
β''-Al_2O_3-Na_2O electrolyte-based thermoelec. conversion, Na heat engine 2−18618
Al_2O_3-Si multilayer facet coatings for diode laser, optimisation of selection 2−1948
BaO:CaO:Al_2O_3 impregnated cathodes, Auger spectroscopy and emission microscopy 2−5503
CdS:Al_2O_3 coating prep. by spray pyrolysis, solar cells appl. 2−24990
CdSe-Al_2O_3 interface states, field effect spectroscopy 2−1243
n-InP-Al_2O_3 interface, anodic growth, props., enhancement-MISFET fabrication on semi-insulating substrates 2−20260
Li-Al_2O_3 solid-state secondary battery system 2−12793
Mo-Al_2O_3 composite film, surface roughness, photothermal absorber appls. 2−28132
β-Na_2O-Al_2O_3 solid electrolyte, use in solid electrode in electrochromic display 2−11557

aluminosilicate glasses
Fotoform products and their use in display technologies 2−19467
CaO-Al_2O_3-SiO_2, sintered ceramic, dielec. props. 2−5826
PbO-SiO_2-Al_2O_3 fritted glass, dielec. breakdown and device evaluation 2−15043

a.m. (modulation) *see amplitude modulation*

ambient temperature *see temperature*

ammeters
DC logarithmic picoammeter 2−17020
minicomputer calibration 2−22089
noncontact AC ammeter *(Polish)* 2−7145
two-chip ammeter circuit, picoamps to amps range 2−17004

ammonia clocks *see atomic clocks*

amorphous-crystalline transformations *see crystallisation*

amorphous magnetic materials *see magnetic properties of amorphous substances*

amorphous semiconductors
see also chalcogenide glasses; electrical conductivity of amorphous semiconductors and insulators; insulators
book 2−23883
C Si:H, amorphous, MOS solar cell, fundamental tunnelling process 2−25084
chalcogenide glasses, bulk and Ag doped, memory and switching mechanisms study 2−5716
conference, Grenoble, France, (July 1981) 2−23865
electronic props., appl. to solar photovoltaic cells *(Dutch)* 2−5581
electrophotography, appl. 2−25028
Hall mobility in presence of long range pot. fluctuations 2−1205
hot carrier thermalization, deep trapping and recombination 2−24998
mobility distrib. in drift of carriers 2−9456
one-dimensional disordered system, excited states lifetime 2−9453
organotin films, amorphous, semiconductive and conductive, form. and props. 2−19448
photoelectronic geminate and nongeminate recombination 2−25570
photolithographic processes in amorphous semiconductors 2−20337
physics researches 2−25019
plasma deposited amorphous films, props. governed by plasma parameters 2−24332
pressure-induced effects and phase transitions 2−25026
progress in large area photovoltaic devices based on amorphous silicon alloys 2−18542
semiconductors at IBM: physics, novel devices, and materials science, review 2−20054
a-Si:H photovoltaic cells conversion efficiency limiting parameters anal. 2−18517
Si, hot carrier relax., optical picosecond study 2−25013
transition metal oxides, amorphous, elec. cond. and electrochromic props., review 2−25010
Ag-Te, amorphous semicond. film, prep. by diffusion and elec. cond. 2−25008
Al-a-Si:H, Schottky diodes, barrier height enhancement upon heat treatment 2−5729
$As_{30}Te_{48}Ge_{10}Si_{12}$, amorphous, transient switching process, simple analytical explanation 2−5577
$BaO\text{-}V_2O_5$:Mn(Fe)(Co)(Cr)(Cu) glass, elec. cond. and EPR spectra 2−25011
Cd_3As_2 amorphous films, structural, electrical and thermoelectric props. 2−14665
Cd_3As_2, amorphous films, elec. transport props. 2−20105
GaAs:Cr amorphous film, hopping conduction 2−20092
GaAs:H, amorphous, RF sputtering and optical props., H_2 partial press. effect 2−19427
GaSb amorphous film, flash evaporated, electronic props. 2−24973
Ge, amorphous, elec. props. 2−9460
Ge, amorphous, solid-phase epitaxial crystn. on Si (100) 2−8809
Ge, amorphous UHV deposited films, struct., elec. and optical props. 2−20097
Ge, DC hopping cond., Mott $T^{-1/4}$ law from rate eqn. formalism 2−9450
Ge film, laser processing, explosive crystn., liq. layer existence 2−25134
Ge film, scanned laser crystn., phase boundary kinetics meas. 2−25133
Ge:Li film, amorphous, electret effect 2−9849
Ge-Bi(Sb), amorphous, elec. props. 2−9460
Ge_xSi_{100-x} amorphous layers, heterostruct. fabrication by solid phase growth 2−5006
InAs:N_2^+ ion-implanted amorphous film prep., electrical conductivity and Hall mobility 2−5569
InP, amorphisation and low temp. recrystallisation 2−9419
InP, ion-implanted, CW laser annealing, amorphous layer recrystallisation 2−1192
In_2S_3 polycrystalline and amorphous film, manufacture and appls. *(Russian)* 2−1212
InSb:N_2^+ ion-implanted amorphous film prep., electrical conductivity and Hall mobility 2−5569
InSe, cryst. and amorphous, elec. and photoelectrical props. 2−25030
Mo_xGe_{1-x}, amorphous film, elec. transport and struct. 2−20106
Nb-amorphous Si-Nb Josephson digital devices, upset events under α-particle irradiation 2−15244
$PrO_x\text{-}P_2O_5$ glasses, elec. props. rel. to oxidation and red. treatments, glass form. range 2−9451
Se, amorphous film, monostable switching, microwave noise 2−9455
Se, amorphous film, photostruct. fatigue 2−15382
Se, electrophotographic phenomena, review *(Japanese)* 2−1678
Si 2−25016
Si, amorphous, appl. to WO_3 photoelectrochromic device 2−20689
Si, amorphous, bibliographies 1965-1980 2−12875
Si, amorphous, dynamics of pulsed laser annealing 2−1307
Si, amorphous, elec. resistivity, hydrostatic press. effect 2−1161
Si, amorphous, electron bombardment induced conductivity 2−5575
Si, amorphous, FET, application in integrated circuits 2−5805
Si, amorphous, FET with staggered electrodes, current path 2−25246
Si, amorphous, gap states and band tail absorption, direct meas. by const. photocurrent method 2−1787
Si, amorphous, IGFET, appl. to liq. cryst. displays and integrated logic circuits 2−25244
Si, amorphous, national photovoltaic program 2−20110
Si, amorphous, new fabrication technologies 2−25020
Si, amorphous, p-type hydrogenated, for solar cells 2−20111
Si, amorphous, pattern laser annealing by pulsed laser 2−9578
Si, amorphous, photolum., influence of excitation density and n-type doping 2−25603
Si, amorphous, photovoltaic devices, device physics and optimum design 2−25627
Si, amorphous, plasma deposited and CVD coatings, ion implantation, elec. cond. and photoluminesc. 2−20095
Si, amorphous, rate of CW laser induced solid phase epitaxial regrowth 2−8805
Si, amorphous, solar cells, materials, assessment, internal field, hole transport and lifetime 2−23429
Si, amorphous, solar cells, industrialisation 2−23430
Si amorphous film, laser crystallisation *(French)* 2−8799
Si amorphous film, prep. by CVD, elec. props. 2−595

amorphous semiconductors continued
Si amorphous film, props. control by control of plasmachemical prep. processes, use in solar cells 2−19429
Si, amorphous films, compositional and structural characterisation techniques 2−25021
Si amorphous films, evaporated and sputtered, annealing and hydrogenation 2−24931
Si, amorphous films, explosive crystn. in solid and liq. phases 2−19422
Si amorphous layer induced by UV laser pulse, laser induced oxidation via O trapping 2−1317
Si amorphous p-i-n junction, drift type photovoltaic effect 2−25106
Si amorphous RF sputtered coating, photocond., optical and EPR props. 2−20093
Si, amorphous thin-layers production and appls. *(German)* 2−24944
Si, amorphous/crystalline junctions 2−1220
Si barrier hydrogenated amorphous, in photosensitive Josephson junction 2−15256
Si, CF_4 plasma etching 2−20109
Si, CVD growth, struct., optical, and elec. props. 2−20099
Si, DC hopping cond., Mott $T^{-1/4}$ law from rate eqn. formalism 2−9450
Si, electrical cond. and thermoelec. power 2−25017
Si, electrodeposition from $SiHCl_3$ solns. in aprotic solvents 2−13833
Si electronic devices, review 2−25258
Si film, amorphous doped, deposition mechanism in SiH_4 plasma 2−13844
Si, film, plasma CVD *(Japanese)* 2−8835
Si films, CVD, amorphous and polycryst., cond. mechanism 2−24933
a-Si films, heavily doped, glow discharge, AC conduction 2−25029
a-Si, glow discharge, fatigue effect in luminesc. at low temp. 2−25606
Si, implanted, phase transitions produced by pulsed laser or electron irrad. 2−25129
Si, ion implanted, amorphous, ultrashort pulse laser annealing 2−25135
Si, laser annealed, structural study 2−14796
Si, laser heated, nonlinear dynamic heat transport, carrier diffusion effect 2−1141
Si, laser-induced amorphous, adsorpt. of O, expt. study 2−25164
a-Si, new photovoltaic devices, review 2−25628
a-Si P-I-N solar cells, effect of F on performance 2−23532
a-Si P-I-N solar cells, field and light depend. effects, model 2−23531
Si, p^+-i-n^+ junction, injection electroluminesc. and photoluminesc. 2−25602
Si p-i-n solar cells, stability tests 2−18590
Si, picosecond laser annealing 2−14797
Si, plasma deposited amorphous films, props. governed by plasma parameters 2−24332
a-Si Schottky barrier solar cells, localised states and photocond. 2−4344
Si Schottky barrier structs., reactively sputtered amorphous, effect of H on diode props. 2−9610
Si, solar cell, p-i-n struct., stability 2−23418
a-Si, solar cells, fabrication processes advances, review 2−28128
Si solar cells, min. photovoltaic module cost projections, realistic comparison 2−23535
Si solar cells, state of the art review 2−23428
Si, trap-controlled dispersive transport and exponential band tails 2−20718
a-Si:Ar RF sputtered films, elec. and optical props., effect of Ar 2−20102
Si:B, H CVD film, hydrogenation effect, elec. cond. and ESR meas. 2−20100
Si:BF_2^+, amorphous, elec. activation and impurity redistribution during pulsed laser annealing 2−24921
Si:B(P), laser chemically doped, elec. props. 2−9403
Si:F, H CVD film, hydrogenation effect, elec. cond. and ESR meas. 2−20100
Si:F,H, amorphous, MIS photovoltaic device, large area, high efficiency 2−25623
Si:F amorphous film, glow discharge plasma deposition from SiF_2 gas 2−19443
a-Si:F:H, electrical, spectral and doping properties 2−25023
a-Si:H, a-Si:F:H, Schottky-barrier diodes, elec. props. using new techniques 2−25067
Si:H, amorphous, elec. resistivity, hydrostatic press. effect 2−1161
Si:H, amorphous, electron irrad. effect on dark and photocond. and defect removal 2−24930
Si:H, amorphous, Hall mobility in presence of long range pot. fluctuations 2−1205
Si:H, amorphous, homogenous CVD 2−19442
Si:H, amorphous, MIS solar cell, interface state of oxidation effects 2−28115
Si:H, amorphous, midgap density of states, space charge limited cond. study 2−24996
Si:H, amorphous, modulated photocurrent meas. 2−1780
Si:H, amorphous, non-dispersive and dispersive transport 2−25000
Si:H, amorphous, p-i-n junctions, photoacoustic emission 2−25052
Si:H, amorphous, photoconductivity, spectral and temp. depend. 2−1792
Si:H, amorphous, plasma deposited, photocond., temp. depend. 2−1778
Si:H, amorphous, plasma deposition, impurity doping, substrate pot. effect 2−20189
Si:H, amorphous, prep. from higher silanes with high growth rate 2−606
Si:H, amorphous, RF sputtered, transport props. 2−1204
Si:H, amorphous, reactively sputtered, solar cell, electron-hole recombination 2−23417
Si:H, amorphous, solar cell appl., spectral response and capacitance meas. 2−23566
Si:H, amorphous, solar cells, electronic props., review 2−24995
Si:H, amorphous film, large area plasma deposition and elec. props. 2−19426
Si:H, amorphous film growth, plasma diagnostics 2−24331
Si:H, amorphous hydrogenated, reactive laser evaporation 2−594
Si:H, amorphous ion beam deposited coating, prep. and props. 2−20094
Si:H, amorphous plasma deposited coating, field effect cond., illumination and annealing effects 2−24994
Si:H, amorphous RF magnetron sputtered coating, elec. and optical props. 2−19425
Si:H, amorphous RF sputtered coating, IR 2000 cm^{-1} absorpt. band and photoelectronic props. 2−20096
Si:H, amorphous Schottky barrier solar cells, prep. by plasma decomp. and sputtering, carrier generation efficiency 2−12861
Si:H, amorphous vacuum deposited films, theta pinch hydrogenation 2−20190
a-Si:H, appl. in electrophotography and vidicon devices 2−20107

amorphous semiconductors continued
p-Si:H, B amorphous film, high cond., prep. by Penning discharge 2−19439
Si:H, hot carrier relax., optical picosecond study 2−25013
Si:H, intrinsic, amorphous, dual light beam modulation of photocarrier lifetime 2−25576
Si:H, Li amorphous film, DC glow discharge deposited, photovoltaic effect 2−25571
a-Si:H, meas., and anal. of current transients, DLTS and TSC obs. 2−25002
Si:H, O sputtered films, amorphous, optoelectronic props., effect of O 2−25580
a-Si:H, photoresponse time and density of localised states in mobility gap 2−25001
a-Si:H, Schottky barrier structures, capture cross-section and density of deep gap states 2−25075
Si:H, sputtered coating, H effusion, ion beam nuclear analysis *(French)* 2−589
Si:H, transport props., CPA calc. 2−20101
Si:H, vidicon targets, blocking struct. role 2−25566
Si:H,B, Li-diffused, amorphous compensated, dark and photocond. 2−24932
Si:H,B amorphous film, elec. props., optical props. 2−25015
Si:H,Cl amorphous film, photolum. studies 2−25604
Si:H,N(O), amorphous glow discharge film, elec. cond. and photocond., $N_2(O_2)$ doping effect 2−20098
Si:H,P, amorphous, photogenerated carrier recombination 2−24929
Si:H,P films, elec. props., transition to amorphous phase, solar cell props. 2−24927
Si:H amorphous, interface with noble metals, struct. and elec. props. 2−20137
Si:H amorphous film deposition by Penning glow discharge of SiH_4 2−19437
Si:H amorphous film deposition from SiH_4-Ar plasma 2−19441
Si:H amorphous film solar cell, Tandem type 2−28116
Si:H amorphous films, photocond. and photolum 2−25578
Si:H amorphous films, SiH_4 decomp. prep., phys. props. 2−1203
Si:H amorphous films for electrophotographic appl., photoelec. props. 2−24928
Si:H amorphous multijunction solar cells, conversion efficiency and interference effects in spectral response 2−23444
Si:H amorphous n-i-p solar cell, minority carrier transport in depletion layers 2−28117
Si:H amorphous p-n junctions, elec. transport, doping effects 2−25054
Si:H amorphous plasma deposited coating, elec. and optical props., RF power and growth temp. depend. 2−19444
Si:H amorphous Schottky barrier diode characts., mathematical model 2−25189
Si:H amorphous Schottky diode, electron transport and deep localized state kinetics 2−25188
Si:H amorphous solar cell, carrier collection, image force effects 2−4336
Si:H amorphous solar cell, plasma deposited, impurity effects 2−12864
Si:H amorphous solar cell, large area, conversion efficiency under AM1 illumination 2−23567
Si:H amorphous thin film solar cells electrical and optical props. optimisation using RF bias-sputtering 2−23446
a-Si:H and a-Si:F:H P-I-N solar cells, photovoltaic behaviour 2−23533
Si:H film, amorphous plasma deposited, RF power and reactant gas press. effect 2−13837
a-Si:H film, photocond. anal. luminesc. meas. of cond. band tail 2−25575
Si:H films, amorphous n-type and p-type, primary and secondary photocurrents 2−25574
a-Si:H films, for photoconductor applications 2−26860
Si:H films, gas phase doped or ion implanted H conc. and spatial distrib. 2−20191
a-Si:H films, impurity doping, morphological study, electrical and optical properties 2−25022
α-Si:H preparation by CVD 2−9449
Si:H Schottky barrier diodes, amorphous, electrical characterisation 2−23445
a-Si:H solar cells, impurity effects 2−23534
a-Si:H solar cells, material optimisation studies 2−23529
a-Si:H solar cells, N-I-P and P-I-N, photogenerated carrier collection and loss mechanism anal. 2−23530
Si:H/SiC:H amorphous solar cell 2−24997
Si:H(B)(P), amorphous DC sputtered coating, doping and elec. props. 2−19424
Si:H(H,F), amorphous, plasma deposition kinetics model 2−19445
Si:N amorphous film, elec. and optical props. 2−9459
Si:O(H)(F) evaporated amorphous films, DC cond., impurities effect 2−5580
Si-F-H amorphous film, Schottky-barrier and MIS solar cell appls. 2−23564
Si-Pd Schottky barrier solar cell, characts. 2−18471
Si+H, amorphous, transient photocond. and Schottky barrier profile determ. 2−25573
SiC:H, amorphous, plasma deposited coating, photocond. and optical gap, valence electron control 2−24997
SiC:H/Si:H amorphous solar cell 2−24997
a-SiC:H/a-Si:H heterojunction solar cell with conversion efficiency more than 7.5% 2−18588
Si_xC_{1-x}:H, amorphous films, photocond. and photolum 2−25578
SiGe:H amorphous film solar cell, Tandem type 2−28116
a-$Si_{1-x}Ge_x$ films for high performance solar cells 2−23447
Si_xGe_{1-x}:H alloy amorphous films, optical and elec. props., solar cell appls. 2−23565
SiH_x amorphous Schottky barrier solar cell, carrier collection efficiency, recombination effects 2−7994
a-SiH_x solar cells, AM1 short cct. current optical limitations 2−23528
Si_3N_4, amorphous, MIS inversion layer solar cells fabrication, properties and performance 2−23452
a-Si_xNi_{1-x}:H, wide optical-gap, photoconductive, elec. and optical props. 2−15380
$Si_{(1-x)}Sn_x$ alloy semicond. for solar cells 2−18591
SnOx, amorphous spray coating, elec. and optical props. 2−20104
Te-amorphous Se:Te-amorphous Se-Al, p-i-n semicond. diodes, negative resist. characts. and hysteresis effect 2−14662
V_2O_5, amorphous CVD coating, prep., elec. cond. and EPR spectra 2−20103
V_2O_5 amorphous layers, hopping cond., disorder energy 2−25014

amorphous semiconductors continued
V_2O_5-TeO_2 semiconducting glass, elec. cond., thermopower and optical absorpt. 2−25012
WO_3, amorphous anodic films, semicond. props. rel. between photocurrent and electrode pot. 2−9447

amorphous state
see also electrical conductivity of amorphous metals and alloys; electrical conductivity of amorphous semiconductors and insulators; electron energy states of amorphous solids; magnetic properties of amorphous substances; vitreous state
amorphous alloys, recent studies *(Japanese)* 2−15130
metals, amorphous, general introduction 2−5029
secondary electron emission props. meas. 2−9352
C, amorphous and graphitised foils, differences in stripper qualities 2−11746
Co-based alloys, recent studies review *(Japanese)* 2−15130
Fe-based alloys, recent studies, review *(Japanese)* 2−15130
Si_3N_4 layers, oxidation kinetics, ellipsometric obs. on Si-Si_3N_4-SiO_2 struct. 2−1306
T-M amorphous alloys, T-Fe, Co, Ni and M=B, C, P, ferromagnetic glasses study 2−5885
W_xSi_{1-x}, formation by plasma CVD 2−596

amplidynes
synchronous machines analogies 2−4110

amplification
see also acoustic wave amplification; amplifiers
amplifier with gain and frequency response independent of operating point 2−13986
bipolar transistors, effect of insulation coatings on forward beta degradation 2−9632
broadbanding design problems, gain equalisation directly from data 2−19490
high-power QAM signal generation with nonlinear amplification 2−2250
hot carrier p-n junction, elec. signal amplification kinetics 2−9496
level shifting amplifier with constant gain 2−13985
multichannel multiplex systems, regulator modulation amplification coeff. measuring circuit *(Bulgarian)* 2−10896
regenerative reflex parametric amps., stabilization of gain by thermal compensation 2−19862
seismic amplifiers dynamic range and gain increasing and measurement methods 2−24409
CO_2 waveguide laser discharge tubes, signal amplification in 10.6 μm band 2−20935

amplification measurement *see gain measurement*

amplifiers
see also amplidynes; amplification; audio-frequency amplifiers; d.c. amplifiers; dielectric amplifiers; differential amplifiers; fluidic amplifiers; high-frequency amplifiers; intermediate-frequency amplifiers; microwave amplifiers; operational amplifiers; parametric amplifiers; power amplifiers; preamplifiers; pulse amplifiers; radiofrequency amplifiers; ring lasers; rotating amplifiers; tunnel diode amplifiers; ultra-high-frequency amplifiers; video amplifiers; wideband amplifiers
active feedback loop amp. with regulated bandwidth 2−13992
active ICs used by East German railways *(German)* 2−20352
AD293/4 hybrid isolation amplifier using thick film transformer 2−1068
automatic gain selector amp. 2−8999
biosignals, amplification by body pot. driving 2−27185
bridge-connected LF amplifier *(Spanish)* 2−9008
characteristics and specifications for compensation method appl. *(German)* 2−14030
CMOS adaptive biasing amplifier, circuit description and operation 2−13996
common transistor amplifier and bias supply 2−737
controlled p-n-p-n structure type, temp. stability of gain 2−748
digital voltmeter amplifier with absolute value *(Italian)* 2−7125
equivalent noise circuits, noise parameters *(Russian)* 2−19576
experiments, book 2−8167
feedback, analysis, general exact method 2−13983
FET applications, book 2−23880
FET self-biased gain stabilisation against temp. variation 2−725
FET-bipolar amplifier for active antennas *(Czech)* 2−6374
frequency-selective, with modified twin-T feedback cct. 2−742
GAP-01, review, appl. as sample-and-hold amplifier and synchronous demodulator 2−9039
high voltage amplifier using pair of bipolar transistors 2−24406
isolation, using MP 227 chip, multichannel data gathering system appl. *(German)* 2−5120
isolation amplifier with piezoceramic material and fiber-optic light pipe 2−5116
isolation amplifiers for analogue signal processing appls. 2−8992
isolation amplifiers with thick film transformers *(German)* 2−19552
junction FET amp., operation at high temps. 2−19573
level shifting amplifier with constant gain 2−13985
light current electrical applications, TEC syllabus textbook 2−23918
linear bridge amplifier 2−5112
lock-in, voltage resolution in isolated voltage contrast mode, scanning electron microscopes appl. 2−11563
logarithmic, current and voltage, using DC microvolt-microampere meter 2−738
logarithmic amplifier, used as variable divider, with automatic amplitude limiter *(Italian)* 2−9166
logarthmic amplifier, semi-custom IC 2−26532
low ionisation current meas., dosimetric problem 2−11824
MESFET amplifiers, intermodulation distortion 2−24405
noise factors of basic feedback amplifiers, anal. 2−9001
optical image density, measurement error anal. and reduction by logarithmic amplifier *(Russian)* 2−2364
optimum matching of amp. with two parallel tuned ccts. connected in series 2−9010
optoelectronic document sensor using phototransistor and LED, output amplifier 2−22245
output amplifier with offset and selectable polarity 2−9013
quasi-insensitive memory sense amplifier to dotting and wiring capacitance 2−24415
rate sensing, for servo-controlled leak valves 2−9003
remote-arming signal amplifier for thin film shock-sensor 2−5126
sample/hold amplifiers, data conversion and signal conditioning *(Italian)* 2−5262
satellite ground stations, engineering aspects 2−2735

amplifiers continued
seismic, dynamic range and gain increasing and measurement methods 2−24409
self-excited ring oscillator with N-tuned amplifiers, fluctuations anal. 2−14004
sense amplifier circuit, CAD 2−8987
single-ended current-feedback bipolar transistor amplifiers, harmonic and intermodulation distortion 2−5125
solid-state circuits conference, Freiburg, Germany (Sept. 1981) 2−18869
superconducting chopper amplifier, small voltage meas. *(Japanese)* 2−3238
transconductance amplifier, circuit description and operation 2−13996
transconductance amplifier realisation from conversion of conventional voltage amplifier, high output impedance 2−740
tunable ULF amplifier with adjustable amplitude-phase characteristic 2−9000
TWT, crosstalk performance compared to solid state power amplifier 2−6349
voltage convertor, based on half-wave phase sensitive amplifier, operation anal. *(Russian)* 2−24638
GaAs FET amplifier, for UHF SQUID magnetometer, at 4.2K 2−16926

amplifying *see amplification*

amplitude limiting circuits *see limiters*

amplitude modulation
see also pulse amplitude modulation
6.4 to 7.1 GHz band 16 QAM modem design and performance 2−2682
6 GHz 16 QAM digital radio performance with adjacent channel interference 2−2684
6 GHz band SSB suppressed-carrier AM radio system with minicomputer based transmission surveillance 2−2683
16 QAM system baseband adaptive equalisation with multipath fading 2−2668
16-QAM techniques for digital microwave radio 2−2247
90 Mb/s 16 QAM digital radio repeater design 2−6766
adaptive equaliser design for QAM system 2−2253
broadcasting, additional data channel using PSK preserving compatibility *(German)* 2−10623
calibrator for use as a modulation standard 2−15823
convertor, FM-AM, computer-aided analysis, for satellite broadcasting receivers *(Chinese)* 2−26460
data transmission employing class 4 partial response coding and SSB modulation, effect of channel filtering 2−15812
digital large-capacity radio systems using 16QAM and 8PSK modulation, RFI, outage 2−26425
digital radio systems, freq. usage and modulation techniques, appls. 2−6748
digital radio techniques, multipath fading performance comparison 2−6749
diode AM detectors, conditions for no nonlinear distortion 2−24460
dual-gate MESFET SHF broad-band active phase-shifter 2−5354
electrooptic amplitude modulation, optically induced problems 2−15349
EM pulse wave diffr., charact. 2−2147
envelope-detected amplitude-shift keying, decision level extraction 2−15813
frequency selective Rician fading channel, 16-ary QASK and MSK perform. comparison 2−15804
high-power QAM signal generation with nonlinear amplification 2−2250
M-ary QAM detection efficiency for corruption by thermal noise and co-channel interferers 2−6396
measurement of AM radio signals, metrological provisions in Soviet Union 2−17116
mobile radio telephony, SSB AM vs. FM at VHF 2−10990
operational transconductance amp. appl., LM 13700 IC *(German)* 2−9042
optical fibre, wideband FM signal conversion to AM through group velocity dispersion 2−25526
parasitic, visibility of sound distortion *(Russian)* 2−16748
phase-amplitude modulated signal reception, noise immunity and dynamic error estimation 2−10700
QASK, coherent detection in presence of jamming 2−15888
QASK, coherent detection of frequency-hopped QPSK and QASK systems with tone and noise jamming, bit error probability 2−10646
radio relay network digitisation processes and technical requirements 2−6751
receivers, method of interference cancellation for double sideband signals 2−2917
ring modulator with sine-wave current input, expt. and theory *(Rumanian)* 2−24450
single-tank self-biased FM oscillations, parasitic amp. modulation 2−9024
stereo broadcasting *(Japanese)* 2−2876
VHF communication link, combined amplitude-phase modulation 2−2726
HCN sub-MM wave laser, intensity modulation with Schottky barrier diode 2−20945

amplitude selectors *see limiters*

analogue computer applications *see analogue simulation*

analogue computer circuits
see also function generators; operational amplifiers
module units for analogue information processing *(German)* 2−5131
operational amp. properties and charact. *(German)* 2−739
scaling program device *(German)* 2−5315

analogue computer methods *see analogue simulation*

analogue computers
see also analogue-digital conversion; analogue storage; digital-analogue conversion
development system for Intel 2920, digital filter implementation example 2−24560

analogue digital computers *see hybrid computers*

analogue-digital conversion
see also digital-analogue conversion
4 bit convertor using LM 3914/3915/3916 ICs *(Italian)* 2−19734
6-bit monolithic video flash A/D convertor 2−24566
8 bit CMOS convertor with exponential representation *(German)* 2−5323
12- to 16-bit, indirect automated measurement using ATE system 2−19744
12- to 18-bit, NBS calibration service, design, measurement and operation 2−19743
12-bit A/D convertor with display driver=33/4 digit voltmeter *(French)* 2−14186
12-bit data converters, microprocessor compatible, connections *(German)* 2−9116

analogue-digital conversion continued
16-bit digital signal-processing system for audio signals *(German)* 2−26691
A/D and D/A convertors automatic testing using 18-bit precision DC measurement system 2−19742
AD 7581 A/D convertor, use in microprocessor based engine controls *(German)* 2−28197
adaptive differential PCM, signal-to-quantisation noise ratios, computer simulation 2−26076
adaptive hybrid image coding technique 2−15935
adaptive quantizer with extended dynamic range 2−2593
adaptive quantizer with extended dynamic range 2−2595
ADPCM speech communication, entropy coding appl. 2−10913
AIM 65/A/D convertor 2−11422
algebraic method for synthesis of macromodels of complex electronic circuits *(Russian)* 2−19488
AM 6070 device, A/D compandor convertor *(French)* 2−894
amplitude probability density function measurement using fast Fourier transform *(Japanese)* 2−15916
analogue signal plotting from coarse digital data using slow digital plotter 2−11516
angle digitizers accuracy, for polymodal instrumental error distribution functions 2−16760
Apple analog-to-digital conversion in 27 microseconds 2−888
autocompensated current transformer charact. 2−19906
automated design system for OPTAN A/D convertors, description of input language *(Russian)* 2−24565
barometer, battery-operated with digital indication *(German)* 2−7231
base line correction appls. 2−19733
bench instruments for A/D convertor testing 2−16783
Biomation 8100 transient recorder, accurate US meas. 2−12121
calibration service for high performance convertors 2−24570
charge-coupled A/D convertor on monolithic chip 2−19739
CMOS, 808/0816, appl. examples *(German)* 2−887
CMOS 8-bit A/D convertor ADC-0801-04 for interface with microprocessors 2−892
CMOS A/D convertors, National Semiconductor 2−5321
CMOS convertors, system adaptability *(Swedish)* 2−19735
coder for current and voltage pulses of relativistic electron accel erator 2−11424
codes for current and voltage pulses of relativistic electron accelerator 2−16919
colour TV receiver digitalisation, using VLSI MOS ccts. *(Spanish)* 2−26620
companding A/D convertors, design and appls. 2−5328
computerised printing *(Russian)* 2−28306
computerised tomography data from a radiotherapy simulator, instrument for digitisation 2−3474
constant area quantisation bandwidth compression scheme 2−15943
converter testing using logic analyzer *(German)* 2−22217
convertor, high speed and noise rejection, developed from microprocessor *(Italian)* 2−14184
curve digitizer, microcomputer-controlled 2−9197
cyclic A/D convertor using switched-capacitor integrator, single-chip realisation 2−19741
data conversion and singal conditioning *(Italian)* 2−5262
data converter calibration service for A/D and D/A converter transfer charact. meas. 2−26712
DC drives, interfaced with microprocessor systems for speed control, A/D conversion techniques *(Italian)* 2−12970
DC motor drive speed control system 2−23355
DC voltmeter, noise suppression method *(Russian)* 2−3107
delay signals anal. *(German)* 2−7068
design, operation and appls. 2−900
design of A/D convertor unit for cosmic ray air shower expts. 2−27087
differential PCM, robust quantization of dependent data 2−2239
digital cct. replacement by MC 6801 microcomputer *(Dutch)* 2−5330
digital control implementation 2−14269
digital convertor testing using Walsh transform techniques 2−19831
digital methods for video and audio recording 2−11297
digital neutron-gamma pulse shape discriminator tests with N213 scintillator 2−3425
digital storage oscilloscope, features CCD for A/D conversion, microprocessor control 2−7116
digital system for monitoring power supply voltages 2−24573
digital transmission level meter with matched conversion speed *(German)* 2−22295
digital voltmeter, $3^1/_2$ digit autoranging, using MC1433 A/D convertor *(Italian)* 2−22298
digital voltmeter construction from 12-bit A/D convertor and display driver IC 2−11510
digitiser with programmable calculator, meas. rect. coords. of points in a plane 2−22222
digitizer specifications and appls. to waveforms 2−14185
direct and indirect, high frequency, requirements and test methods *(German)* 2−905
drive circuit, universal integrated, for LED display *(German)* 2−7156
electric resistance dual-slope meas. method 2−22348
error correction algorithm 2−26843
Ferranti ZN427 8-bit A/D convertor, start conversion pulse input 2−9122
Ferranti ZN427E-8, 8-bit, synchronising pulses 2−893
Ferranti ZN427E-8 8-bit A/D convertor conversion timing charact., pulse synchronisation 2−901
flash convertor using track/hold techniques 2−14183
four-bit successive approximation register IC design 2−899
Fourier transform NMR spectra, accumulation, signal-to-noise ratio 2−7067
fundamental concepts and basic parameters 2−9186
heavy nuclei fission expts. automation with TPA-i1001 minicomputer 2−7289
high impulse voltage recording by A/D convertor, advantages and errors *(French)* 2−17067
high speed, appl. to single chip devices and microprocessors *(Italian)* 2−9118
high speed convertors with high resolution, operation and appls. *(German)* 2−14179
high-speed 8-bit A/D convertor for appl. in high definition television system 2−2926
high-speed analog switch construction for multichannel A/D convertor *(Russian)* 2−24568

analogue-digital conversion continued
hybrid A/D adaptive beamformer, modified least mean square algorithm 2−6365
I^2L ADC AD571, ionising radiation effects, SEM anal. 2−14187
IC technology update, digital panel meters range 2−17011
image processing from photodiode array, using variable-threshold digitiser, biological appl. 2−16918
INCOS automatic product inspection system using computerised picture processing *(German)* 2−4676
interfacing with microcomputers *(German)* 2−891
laboratory manual, book 2−25257
log companding SNR analysis, for use in digital recording/data analysis system 2−16917
logarithmic amplifier, used as variable divider, with automatic amplitude limiter *(Italian)* 2−9166
mass spectrometers appl., acquisition of monotonously changing magnetic fields *(German)* 2−7302
measurement problems, appl. of intelligent digitiser *(German)* 2−16915
microcomputer-based system 2−11421
microprocessor appl. *(French)* 2−14264
microprocessor interface techniques and precision signal handling 2−19724
microprocessor weighing system TENSIMIK, A/D convertor *(Hungarian)* 2−22408
minimum mean squared error block quantisers, properties 2−21284
mismatched quantizers, asymptotic theory 2−2241
Model 3652 wave memorizer, using 16 channels, flexible memory, ADC, CRT screen 2−7137
MOS switched capacitor integrator, eliminating operational amplifiers 2−14244
MP 2316 system *(German)* 2−7070
multi-level quantisation for automatic radar detection, optimisation and performance 2−2240
multimeter, 4 1/2 digit, using ICL7135 dual ramp A/D convertor, automatic ranging *(French)* 2−11514
NE5037, appl. to liquid level sensor 2−22436
new approaches to high speed high resolution analogue to digital conversion 2−24635
noise induced errors in convertors, formulae *(German)* 2−19736
NTSC video signals, sampling and reconstruction at twice colour subcarrier freq. 2−15944
oceanographic current meter, solid-state encoding system 2−22742
OPTAN system *(Russian)* 2−3108
optimum memoryless N-level quantizers 2−2242
PET-based A/D convertor 2−11420
pipeline A/D converter suitable for high sampling rates 2−14188
pipeline distributed processing system for real time pattern recognition applications 2−8905
plasmatron high-rate sputtering methods and appls. in microelectronics, hybrid microelectronics and electronics 2−19450
portable digital thermometer using transistor sensor and A/D convertor *(Italian)* 2−7075
probabilistic voltage-to-code converter 2−9194
production testing, decentralised, automatic 2−4644
programmable waveform generator using linear interpolation with multiplying D/A convertors 2−19592
programmed and double ramp integrator types, applns. and basic parameters *(Italian)* 2−5320
pulse code modulation and associated cct. techniques *(German)* 2−26078
quantisation systems with stochastic reference, general props. 2−9196
Radio Shack Color Computer A/D circuitry 2−14178
redundant binary positional number systems in data handling *(Russian)* 2−21296
RS232 serial communications data interface 8-bit A/D plus D/A convertor board 2−19731
series-parallel configuration, high-definition TV appl. *(Japanese)* 2−6924
shaft angle measurement, digital encoder *(Chinese)* 2−17125
shower calorimeter, ADC correction and readout, CAMAC processor 2−17303
signal comparators with low hysteresis, stabilisation schemes *(Rumanian)* 2−24621
single-ended A/D conversion without successive-approximation logic 2−14182
software controlled ADC, using Intel 8080A, DAC-08 2−9121
speech synthesis vocoder, construction principles *(German)* 2−2298
sporadic digitising *(Russian)* 2−889
staircase signal generator characts. *(German)* 2−19579
static and dynamic performance parameters 2−14177
superconducting A/D converters, design limitations 2−19740
switch contact identification, using constant current and A/D convertor 2−5408
TDC 1025 75 MHz 8 bit convertor *(French)* 2−19737
telephone network, digital switching for flexibility 2−26351
test method, dynamic, using stepped input changes 2−9203
testing 12-bit convertors, microcomputer controlled instrumentation 2−3040
thin film A/D convertor layout, power supplies, loading, grounding 2−24564
TL520, switched capacitor convertor from Texas Instruments 2−5324
TRS-80 joystick converter 2−19730
turbomachinery aerodynamic research, digital data acquisition and anal. system 2−26800
TV broadcast signal meas. and logging system, Tektronix 1980 ANSWER set 2−22084
TV sound broadcasting, resolution meas. in A-D conversion 2−11153
TV studios, measurements in video A-D conversion 2−11154
video signal technology, faster ADC without DAC *(German)* 2−19732
video threshold circuit for converting analog video signal to binary output 2−5327
video threshold circuit with low contrast clamp/ and absolute black clamp/ 2−898
voltage difference successive approximation method *(German)* 2−16916
voltage ratio meas. system using ADC and DAC 2−11566
waveform digitising of photodetector signals in pulsed laser expts. 2−11425
wideband signals conversion using convolution method *(German)* 2−902
ZN427 converter, using synchronising pulses 2−14189
Nd:glass laser picosecond pulse detect. with nanosecond time resolution using A/D convertors 2−20934

analogue memories *see analogue storage*

analogue simulation
1.2 MV circuit-breaker development for gas-insulated substations 2−18398
computer modelling of power supply sources for inverter motors *(Russian)* 2−28020
electronic simulation of a hydrogenerator with static excitation 2−7825
Globocica hydropower plant in Yugoslavia, dynamic phenomena *(Croatian)* 2−27782
Josephson tunnel junction, current-voltage curve simulation for finite capacitance 2−1611
nuclear power station technical staff training 2−3851
power system hybrid simulator for dynamic anal., experience 2−7468
static convertor-motor systems *(French)* 2−7911
thyristor asynchronous electric drive for a centrifugal pump *(Russian)* 2−18237
thyristor drives, regulator parameter optimisation *(Russian)* 2−4281
transfer coefficients, analogue computer optimisation *(Russian)* 2−13694
transient performance of the induction machine with deep bar rotor 2−7852

analogue storage
see also sample and hold circuits
read-before-write mode analogue memory using 16-channel multiplexer 2−851

analogues, direct *see direct analogues*

analytical chemistry *see chemical analysis*

anaphoresis *see electrophoresis*

AND gates *see logic gates*

Anderson model
semiconductor-insulator nonlattice matched interface, U-shaped background density of interface states 2−14716
Si MOSFET with sub-micron gate, anomalous low temp. cond. 2−14872
Si-MOS n-inversion layers, Anderson localisation and negative magnetostresistance *(Japanese)* 2−14721

anechoic chambers
electromagnetic susceptibility meas., broad band absorber lined chambers, design criteria 2−25985
free-space transmission loss for anechoic chamber performance evaluation 2−22218
microwave testing, broadband microwave absorber materials testing 2−5035
radar cross-section measurements of cavities at 10 GHz 2−2822
RF shielded, EMI meas. in 30 to 1000 MHz range design guide 2−26806

anemometers
see also laser velocimeters
Doppler effect laser sweep anemometer for velocity profile measurement *(French)* 2−22437
Doppler laser anemometer system for rapid scanning of flow fields 2−11667
industrial and boiler furnace combustion chamber design, laser-Doppler anemometry appls. *(Italian)* 2−12484
laser, aerospace turbomachinery flow diagnostics appl. 2−12041
laser, Doppler-difference, separated turbulent boundary layer in supersonic flow obs. 2−11997
laser, optical discriminator for Doppler frequency shifts *(Russian)* 2−2057
laser Doppler anemometer backscatter meas., walls, two-phase flows, refl. suppression by polarisation 2−15578
laser transit anemometer with 5 ns correlator processor, for wind tunnel meas. 2−11994
marine boundary layer, 3-D hot-film anemometer, calibration and errors 2−3594
pyroelectric, preparation and flow velocity meas. 2−11662
thermoanemometer sensor for low flow speed meas., using Si crystal whisker 2−16949
triple hot-film probe calibration in water 2−3616
water local velocity measurement with hot wire anemometers *(German)* 2−26964
wind speed and direction meas. station *(Dutch)* 2−27271
wind-vane mounted three-dimens. hot-wire probes, flow around sensor 2−3595

angle measurement *see angular measurement*

angle modulation
see also frequency modulation; phase modulation
principles 2−6387

angular measurement
see also angular velocity measurement
analysis of combined system for controlling laser-mirror scanner *(Russian)* 2−15582
aspherical surfaces testing 2−26960
digitizers accuracy evaluation, for polymodal instrumental error distribution functions 2−16760
dynamic angular accel. and torque measurement methods *(German)* 2−22399
multibeam collimator using prism stack 2−6246
optical encoders, high performance from MicroSeries system 2−22387
prisms angular discrepancies, using optical-electronic instrument 2−3104
radiotelescope, mm-wavelength, surface meas. by modulated laser beam 2−11129
shaft angle measurement, digital encoder *(Chinese)* 2−17125
single-channel amplitude direction-finding accuracy when angle meter is affected by fluctuation noise and signal loss 2−16527

angular velocity measurement
analogue tachometer/generator, operation and construction 2−26820
DC torquer-tachometer, integrally-wound, electromagnetic coupling problems and application 2−18285
digital measuring instrument for operating mechanisms 2−16778
fan speed monitoring cct., using multiplexing for checking 6 units simultaneously 2−26963
inductive speed transducer appl. 2−22248
magneto-hydrodynamic angular velocity sensor, transient process and transfer functions *(Russian)* 2−16944
optical encoders, high performance from MicroSeries system 2−22387
RPM meter, using light probe, MOSFET 3140 op amp, 555 timer IC 2−3277
spindle rotation accuracy measurement *(Japanese)* 2−3278
vibration environments simulation, strapdown inertial navigation development 2−17499

animal communication *see biocommunications*

anisotropy, magnetic *see magnetic anisotropy*

anisotropy, magnetocrystalline *see magnetic anisotropy*

annealing
see also laser beam annealing; magnetic annealing; recrystallisation annealing; solution annealing; stress relaxation
arbitrary mask edges, two- and three-dimensional analytical solns. for post-anneal implant profiles 2−25284
cermet resistors, zero temp. coefficient by annealing 2−19896
CMOS integrated circuits, radiation-induced damage, thermal annealing activation energy 2−25354
dielectrics, broad-band, photocond. excited by UV laser radiation *(Russian)* 2−15391
electron beam generation systems for materials processing 2−25130
Elinvar alloy 44NKhMT, inspection of heats using Curie temperature 2−5039
garnet bubble film, ion implanted layer, mag. state, temp. depend. study 2−15151
garnets, ion implanted, stress profile determ. 2−15150
IGFET, insulator process induced radiation damage, removal at elevated press. 2−14783
laser processing of materials 2−25890
metallic thin film, elec. cond., annealing effect *(Spanish)* 2−25165
MNOS transistor, memory retention, high temp. H_2 annealing effect 2−1379
MOS capacitors annealing with implications for test procedures to determine radiation hardness 2−14703
$MoSi_2$, contact metallurgy technique by using ion-beam mixing 2−1263
Permalloy film, electromigration, electron microscopy study 2−25420
RAM 16K dynamic semicond. memories, α-particle sensitivity reduction by neutron irradiation 2−14106
ROM, electrically alterable, degradation by charge trapping 2−24536
scanning electron beam annealing appl. to microelectronic technology 2−9541
semiconductor, ion implanted, plasma annealing 2−9565
semiconductor, ion-implantation-induced defect annealing using electron and laser beams *(German)* 2−20210
semiconductor device fabrication, electron beam appl., lithography and annealing, review 2−20181
semiconductor wafer surface contamination level meas. based on bulk lifetime 2−1313
solar cell fabrication, pulsed electron beam annealing, apparatus and technique 2−23576
solid-state devices, conf., Toulouse, France (Sept. 1981) 2−23892
steel manufacture, annealing furnaces, recuperation system appl. 2−28265
structural relaxation, US pulse-echo obs. after annealing 2−13888
superconducting amorphous alloys, supercond. props., review 2−15239
Al contact, improvement of thermal stability for 500°C annealing process, low contact resistance and elimination of junction penetration 2−1321
Al contact to NiSi using thin W layer as barrier, elec. characts. 2−9612
Al/AL-O layered film, integrated circuit appl., surface topography, O content depend. 2−1323
Al-Cu/Ti improvement of thermal stability for 500°C annealing process, low contact resistance and elimination of junction penetration 2−1321
Al-GaAs Schottky diode, effect of annealing on Richardson constant 2−14835
Al-SiO_2 internal photoemission characts., forming gas anneal effect 2−9505
AlGaAs-GaAs solar cells, deep-level defects, low temp. periodic annealing effects 2−18469
AlGaAs-GaAs solar cells, proton irrad., radiation-induced deep-level defects, annealing, DLTS, SEM 2−18551
Au-InP Schottky diodes, heat treatment effects on noise spectrum 2−9613
CaS:B, thermolum. phosphor, phys. parameters, operation importance 2−15400
CdO transparent electrode for electroluminescent film *(Russian)* 2−15416
n-CdS crystals, annealed in Cd or In, elec. cond. props. 2−24970
CdS, single cryst., two-phase annealing, elec. resist. meas. 2−5554
CdS single crysts., photoinduced processes, ageing and annealing effects 2−15371
CdS/Cu_2S sintered solar cells, controlled annealing of sintered C dS layer effects on photovoltaic performance 2−8006
CdSe, polycrystalline layers, effect of annealing on elec. props. 2−14654
p-CdTe, covered with dielec. films, annealing effects, diffusion phenomena and carrier conc. *(Japanese)* 2−20147
CdTe undoped p-type annealed in vacuum, electrical and crystalline props. 2−1189
Cu-Fe multifilamentary composites, in situ formed, mag. hysteresis loops 2−5901
Fe-Al-B amorphous system, annealing effects on magnetic properties and crystallisation process *(Japanese)* 2−15107
Fe-Cr-Co-Si (27, 17.5, 1 wt.%), mag. and struct. transitions, mag. props. 2−15211
Fe-Cr-Si-B amorphous ribbons, mag. props. 2−20483
Fe-Ni ferritic alloys, mag. and mech. props., telephone receiver appl. 2−15152
Fe-Si (6.5 wt.%) ribbons, mag. props. and grain struct. after annealing 2−15125
Fe-Si alloys, high Si content, mech. and mag. props., recent studies 2−15114
Fe-Si alloys, rapidly quenched, mag. props. 2−9851
$(Fe_{0.82}B_{0.18})_{0.9}Tb_{0.05}La_{0.05}$, amorphous and crystallised, mag. props. 2−9850
GaAlAs-GaAs heterojunction solar cells with different contact materials, thermal stability 2−18539
GaAs,ion implanted, capless annealing, for microwave devices 2−1319
GaAs, ion implanted, Raman scatt. characteris. of changes induced by encapsulation and thermal annealing 2−9433
GaAs post-implant annealing, encapsulation of semiconductor with CVD Si_3N_4 to prevent decomposition 2−20200
GaAs, proton bombarded and annealed, photolum. 2−15394
n-GaAs, proton implanted, IR absorpt. 2−20628
GaAs, single step selective implantation technology using proximity annealing, 10 GHz FET fabrication 2−9550
GaAs solar cell radiation damage, annealing, thermally and by minority carrier injection 2−18552
GaAs solar cell radiation damage and thermal annealing, conc. of vacancies, divacancies, thermochem. model 2−18553
GaAs solar cells, electron and proton damage coefficients and thermal annealing 2−23507

annealing continued
GaAs substrates, Cr, Si, Mn, and Fe distrib. after annealing with and without SiO_2 encapsulant 2−14765
GaAs, VPE layers, implanted and annealed, elec. and optical props. 2−24969
GaAs:B(Si)(Se), ion implanted, stoichiometric disturbances 2−1294
GaAs:Cd^+, ion-doped films, elec. props. 2−14770
GaAs:Fe, impurity redistrib. on annealing, saturation density 2−1194
GaAs:Ge(Se), neutron transmutation doping, elec. and physical props. 2−9562
GaAs:Se, electron beam annealing, multiply-scanned beam method 2−1170
GaAs:Se, electron beam annealing, multiply-scanned beam method 2−5546
GaAs:Se(S), impurity profile, implantation temp. and crystallinity depend. 2−20182
GaAs:Si, implanted, multiply scanned electron beam annealing 2−24955
GaAs:Si, ion implanted and annealed, carrier conc. profiles, C-V meas. techniques 2−9552
GaAs:Zn, annealed, diffusion profiles meas. 2−14645
GaAs-Al Schottky diodes, effect of substrate treatments usable in MBE 2−1345
GaAs-n-AlGaAs heterostructure, MBE gram. effect of annealing on elec. props. 2−14679
$(GaSb)_{1-x}Ge_x$ films, single cryst. metastable, growth, thermal stability and characteristics 2−13832
Ge, amorphous, solid-phase epitaxial crystn. on Si (100) 2−8809
Ge:Al, ion implanted, annealing behaviour obs., Al conc. profiles determ. 2−24948
Ge-Sb-Se system, beam-resistant films, prep. and struct., thermal stability, optical parameters 2−1200
HgCdTe MIS capacitors, ionising radiation effects 2−14860
p-$Hg_{1-x}Cd_xTe$, electron irrad. and annealed, carrier lifetime and recomb. props. 2−9439
$(Hg_{1-x}Cd_x)Te$ RF sputtered thin films, effect of annealing in Hg vapour on props. 2−5557
InP, amorphisation and low temp. recrystallisation 2−9419
InP, semi-insulating, Fe and Cr redistrib. 2−5689
InP:B(Si)(Se), ion implanted, stoichiometric disturbances 2−1294
InP:Fe, Mg(Zn), ion implanted, struct. and elec. props. 2−14761
InP:Si, capless annealing, for microwave devices 2−1319
InP:Si, ion implanted, electron pulse annealing with minimal P loss 2−14781
n-InP-Sn-Au alloyed ohmic contact formation, contact resistance depend. on annealing temp. 2−5633
$In_{2-x}Sn_xO_3$ film, DC magnetron sputter deposition 2−24333
$In_{2-x}Sn_xO_{3-y}$ films, sputter deposited, elec. and optical props., heat treatment effects 2−14660
Mo-Re alloy films, annealing behaviour 2−5704
Mo-Si contacts, P ion implantation effects 2−5628
Na_2O-CaO-SiO_2 glass nuclear track detectors, pre-irradiation annealing effect on bulk etch rate 2−17282
Nb-NbO_x-Pb, tunnel junctions, Nb energy gap and critical currents, temp. depend., base electrode annealing effects 2−20569
$NbSi_2$, contact metallurgy technique by using ion-beam mixing 2−1263
Nb_3Sn superconducting tape, AC losses and stabilization 2−5933
S:As, through oxide As implanted, recoil O implants and O thermal redistrib. 2−1280
$Se_{93.5}As_{6.5}$, amorphous film, carrier mobility, thermal annealing and light irrad. effects 2−9446
$Se_{94.3}Ge_{5.7}$, amorphous film, carrier mobility, thermal annealing and light irrad. effects 2−9446
Si amorphous films, evaporated and sputtered, annealing and hydrogenation 2−24931
Si, bipolar devices, pulsed neutron irrad. rapid annealing factor 2−25205
Si, Czochralski grown, internal gettering centres and SiO_x precip. nucleation 2−25159
Si, denudation zone and internal SiO_x nucleation control, role of stabilised back-surface damage 2−5528
Si, ion implantation damage, isothermal annealing using thermal radiation source 2−9547
Si, ion implanted, annealing in plasma of pulsed gas discharge 2−20212
Si, ion implanted, pulsed electron beam apparatus and annealing 2−9408
Si, neutron irrad. dislocation-free crysts., annealing influence on elec. and struct. props. 2−24920
Si, neutron irradiated, carrier scatt. by defect clusters 2−14625
Si, polycrystalline, potential barrier form. at grain boundaries following anneal 2−20073
Si, single step doping technique, pulsed ion implantation 2−20193
Si, solar cell, n^+-p, electron irrad. and annealing effects 2−4339
Si solar cells, electron and proton damage coefficients and thermal annealing 2−23507
Si solar cells, reduced annealing temps. 2−23505
Si wafer, Czochralski grown, photolum. characteris. of thermally-induced defects 2−9412
Si wafer, low power electron irrad. with conventional electron gun, heating effect numerical simulation 2−14618
Si:As, ion implanted, doping profiles and elec. activation, Rutherford backscatt. study 2−14763
Si:As, ion implanted, polycrystn. film, laser irrad., elec. props. grain size, annealing effect 2−9404
Si:B, P, ion implanted, doping profiles, implantation sequence effect 2−25148
n-Si:BF_2^+, ion implanted, plasma annealing 2−9565
Si:B(P), anomalous diffusion, suppression by pre-diffusion annealing 2−1296
Si:Bi, furnace and laser annealed, backscatt. and channelling anal., depth distrib. 2−25107
Si:H, amorphous, electron irrad. effect on dark and photocond. and defect removal 2−24930
Si:H, amorphous plasma deposited coating, field effect cond., illumination and annealing effects 2−24994
Si:H,B, Li-diffused, amorphous compensated, dark and photocond. 2−24932
Si:O(H)(F) evaporated amorphous films, DC cond., impurities effect 2−5580
Si:P film, LPCVD, polycryst., grain size and resist. 2−9407
Si:P implanted wafer, multiscanning electron beam annealing, solar cells appl. 2−14614
Si:P ion-implanted solar cells, pulsed electron beam annealing 2−23581
Si-Al-(111)Si structures, redistrib. of Si at low annealing temps 2−5627

annealing continued
Si-insulator triple struct. fabrication by O_2 implantation and epitaxial growth 2−19421
$Si-SiO_2$ interface, hot electron induced defects 2−25098
$Si-SiO_2$ interface defects, low temp. annealing and hydrogenation 2−5636
$Si-SiO_2$ systems, physico-chemical processes, behaviour of H and H-containing structs. *(Russian)* 2−1249
$Si-WSi_2$ polycide, 1 μm, in MOSFET technology 2−9736
SiC:B(Si)(Se), ion implanted, stoichiometric disturbances 2−1294
Si_3N_4 formation by N ion implantation of Si, AES and EELs studies 2−20197
Si_3N_4-Si, ion beam synthesised passivating layers, XPS study 2−25154
SiO_2, electron trapping, reduction by high temp. N_2 annealing 2−14709
SiO_2, electron traps, processing parameters influence 2−9249
SiO_2, plasma-deposited, charact. 2−5011
SiO_2-GaAs, MIS diode, props. of spin-on interfaces 2−1389
SiO_2-Si interface states generation at low temp. with ionising radiation 2−14702
$SiO_2-Ta_2O_5$ waveguide dielec. thin films, refr. index var. due to laser irrad. and annealing 2−10005
Te, photocond. meas. at 77K in 1.4 to 4.4 μm range 2−15375
Ti-p-Si MIS type Schottky barriers 2−25083
WSi_2 interconnection for VLSI circuits 2−15020
WSi_x-Si:P annealing behaviour, effect on MOSFET IC device fabrication 2−5820
W_xSi_{1-x}, formation by plasma CVD 2−596
YIG epitaxial layers, Xe^+ irrad., magnetisation, Faraday rot. and FMR linewidth 2−15156
$ZnGeP_2$, IR absorpt., brightening effect, heat treatment effects 2−20614
ZnO, annealed sputtered film, DC electroluminescence and photoluminescence 2−1794

annealing, magnetic *see magnetic annealing*

anodes
discharge behaviour of electrodeposited PbO_2 and Pb electrodes 2−23413
magnetron, oscillating, relativistic, numerical simulation 2−1113
medical electrocoagulation, transcatheter, evaluation of anode and cathode 2−17395
metal fluidised-bed electrodeposition 2−18808
semiconductor photoanodes, protection with photoelectrochemically generated polypyrrole films 2−25156
$Ca_{1-x}Yb_x/BiO_{0.1}F_{2.8}$ solid-state batteries with alloy anodes 2−7966
CdSe thin film anodes, photoelectrochem. charcts. 2−5648
Ga, liq., positive ion source, mass transport 2−3358
Na-$AlCl_3$ cells using solid electrolytes with molten Na anodes and cathodes composed of S compounds and $AlCl_3$ 2−12829
Si:Cu_3Si semipermeable anode for Si electrorefining 2−24313
$SrTiO_3$ photoanodes for photoelectrochemical cells, photocorrosion 2−18414
TiO_2 oxide film, photocurrent spectroscopy 2−10111

anodes, electrochemical *see electrochemical electrodes*

anodic machining *see electrolytic machining*

anodisation
energy-saving aluminum cathodes for anodizing 2−23820
Josephson tunnel junction, large, fabrication and eval. *(Japanese)* 2−9937
Al, anodic oxidation, ion beam nuclear analysis *(French)* 2−589
GaAs 2−25161
n-GaAs, passivation and interface state studies 2−9567
GaAs, plasma anodisation kinetics 2−5697
GaAs, plasma anodisation kinetics using multipole plasma source 2−25162
GaAs precoated with Al, composite oxide film formation by DC plasma anodisation 2−9586
$Ga_{1-x}In_xAs$ MOS structures, plasma anodisation and interface props. 2−25079
HgCdTe, anodic oxide and ZnS passivant films, substrate interaction, XPS and ion sputtering meas. 2−9582
Si, influence of O_2 on wear 2−5701
Si, inhomogeneously doped, in hydrofluoric acid soln. 2−20068
Si, plasma anodisation kinetics using multipole plasma source 2−25162
Si:As, ion implanted, radiation damage determ. by profiling oxide growth rate 2−20213

anodised coatings *see anodised layers*

anodised layers
Al_2O_3, amorphous, oxidation of Al, ion beam nuclear analysis *(French)* 2−589
Al_2O_3 anodized film, on line colour meas. during electrolytic colouring 2−26977
GaAs, anodic oxide film, comp. and dielec. strength, SIMS study 2−25160
GaAs surface native oxide layer production by anodic oxidation, nitridation in NH_3 atmosphere 2−20201
n-GaAs-anodic oxide interface, props., anal. using MOS theory 2−20142
InP MOSFETs, anodic oxide film as gate insulator 2−25222
n-InP-Al_2O_3 interface, anodic growth, props., enhancement-MISFET fabrication on semi-insulating substrates 2−20260
InSb, anodic oxide film, comp. and dielec. strength, SIMS study 2−25160

anodised thin films *see anodised layers*

anolytes *see electrolytes*

antenna accessories
see also antenna earths; antenna feeders; directional couplers
aerial preamplifier on Prognoz type satellite, optimal thermal regime 2−10600
Gotham Tri-Band quad antenna strengthening against high winds 2−15796
IV/V TV band broadcast antenna, four-structure antenna and accessories *(Italian)* 2−16576
layered radome, internal field computer calculation, radio direction-finding system appl. 2−2227
matching networks, wide range, design 2−15798
mirror track radar antenna time optimal control implementation 2−16503
pointed radomes, complex-valued transmittance calculations, measurement at increased bandwidth 2−2226
preamplifiers, performance improvement communication receivers for amateur radio 2−21246
radome, glass fibre, crosspolarisation effects 2−15713
signal direction switching in auxiliary channel of stub coupler 2−24669
switched filter ccts., 1.5-30 MHz, BCD code operation *(German)* 2−21248

antenna accessories continued
synthetic-fibre ropes for staying aerials, elec. field effects *(German)* 2−10602
tuners, performance improvement communication receivers, amateur radio appl. 2−21246
wide scan quasi-optical frequency diplexer 2−19846
GaAs photoconductive switch, laser-driven, picosecond microwave pulse generation 2−1796

antenna arrays
see also antenna phased arrays; antenna travelling wave arrays; directional couplers; microwave antenna arrays
20 GHz active aperture for communication satellites, preliminary design 2−16445
adaptive array antennas, new design method 2−26062
adaptive arrays, steady-state analysis, a new approach 2−21199
adaptive receiving array interference nulling schemes compared 2−27308
adaptive receiving sample length limitations due to noise, number theoretic transform method appl. 2−26066
aircraft multibeam adaptive array for main-beam interference nulling 2−6378
AM broadcast antenna array patterns, effect of re-radiation from highrise buildings, towers 2−26064
antenna and monolithic MIC T/R module architecture for an advanced airborne fire control radar system 2−21869
beamforming for linearly constrained adaptive array processors 2−21193
circular antenna arrays, effect of directional elements on directional response 2−21205
circularly-polarized TV broadcast antennas, modelling in candelabra, anal., expt. results 2−21237
cross-spectral densities of array elements for folded dipole and loop antennas 2−10548
crossed dipole antenna arrays, influence of lattice geometry on EM wave transmission 2−21203
curvilinear screen array, diffraction of plane E-polarised waves *(Russian)* 2−21071
Dolph-Chebyshev excitation coeffs., generation 2−15794
electronic steering, beam patterns, process controlled antenna *(German)* 2−21243
European Remote Sensing Satellite, slotted waveguide array antenna 2−6368
finite, radiation charcts. calc. 2−2219
flaw detection in antenna array systems, nonrecursive digital filter realization and appl. 2−10596
FM/TV broadcast antenna system, computer-controlled network analyzer for impedance meas. 2−22206
helical quad antenna with 3-way polarisation, amateur radio, scanner listening, DX TV appl. 2−21730
HF antennas for amateur radio, theory and practice 2−10562
HF circular antenna arrays 2−26060
HF receiving antennae with high directivity, trends 2−2222
ILS localiser integral monitor, using three-bridge RF signal combining network 2−11126
L-band radioactive-array antenna for satellite communications, trial model *(Japanese)* 2−2217
multibeam antenna arrays, algorithm for signal processing 2−21240
multibeam phased array on OTS platform, global maritime communication appl. 2−2732
multipurpose 432 MHz, amateur radar appl. 2−10590
orthogonal array antenna system, broadband, microprocessor-controlled, for EM interference meas. 2−21245
parallel cylindrical antennas, with minimal couplings, synthesis *(Serbian)* 2−21236
planar waveguide-fed slot arrays, optimum sum and difference patterns 2−26059
plane wave scattering from infinite loaded dipole planar array over lossy half space 2−2201
radar arrays, review 2−26533
radiating directional antenna array for MHz range *(German)* 2−2218
radiation patterns under short pulse conditions, sidelobe region changes 2−2831
rotatable horizontal log periodic arrays for HF radio 2−26400
spherical, mutual coupling of waveguide-fed circular apertures, unit cell analysis 2−2223
superconductivity antenna arrays, calc. 2−6362
synthesised radiation pattern of receiving antenna array, effects of noise on performance charcts. 2−10552
UHF TV broadcast antennas, AKM type, large diameter mast appls. *(Czech)* 2−21242
UHF unipole-notch axially symmetric configurations 2−2224
Westerbork Synthesis Radio Telescope, multifrequency cryogenically cooled front end receiver 2−26564
zenith-type medium-wave antenna, field strength at distances up to 1700 km 2−15795

antenna components *see antenna accessories*

antenna earths
transmitting antenna for MW and SW, earthing, feeder and insulation *(Japanese)* 2−21251

antenna feeders
adaptive feed control in completely overlapped subarray antennas 2−6377
beam waveguide, influence on cross-polarised characteristics of symmetrical reflector antennas 2−10567
Cassegrain antenna, erected in Leeheim, with switchover feeder system *(German)* 2−6369
dielectric rod antenna, high efficiency feed for reflector antennas 2−15773
dielectric with low cross polarisation 2−21252
directional broadcast arrays for MW band, feeders, phase invariant adjustable power divider, variable phase shifters 2−21250
feedhorn design for microwave antennas at 1.3 GHz, 2.3 GHz, amateur appl. 2−26069
horn, scalar, wavelength-sized, optimised as radiation standards 2−10603
longwire VHF, UHF antennas appl. 2−2207
loss reduction aerial matching circuits, used for amateur transmitters *(German)* 2−21247
microwave antenna sealed strip line feeder, used for space shuttle 2−26068
microwave radio system antennas, bird-proof feed-horn windows 2−2225
multibeam reflector antenna anal., waveguide antenna feed element radiation patterns 2−10574

antenna feeders continued
multifixed-beam satellite antenna with full area coverage and a rain-tolerant polarization distribution, cluster feeds appl. to offset Cassegrain 2−10572
multiple feed antenna, covering L, S and C band segments 2−26042
polariser using circular waveguides and metallic posts *(Japanese)* 2−10601
polarization feeds for radiotelescope, antenna response 2−16533
profiled E-plane tapers and horns, mode conversion 2−15797
radiation loss from microstrip antenna feed transitions, estimation 2−21207
satellite direct broadcast receiving antenna, with corrugated feed for 12 GHz *(Italian)* 2−26609
transmitting antenna for MW and SW, earthing, feeder and insulation *(Japanese)* 2−21251
TV/FM transmitting antenna *(Japanese)* 2−21227

antenna lobe patterns *see antenna radiation patterns*

antenna patterns *see antenna radiation patterns*

antenna phased arrays
7.5 GHz microstrip phased array for aircraft-to-satellite communication 2−10595
9.3 GHz long-patch array, provides narrow pencil beam 2−6376
adaptive antenna performance rel. to communications antenna technology developments 2−21216
adaptive antennas, military and civilian appls. 2−26063
adaptive array of two pairs of crossed dipoles, polarization sensitivity, calc. 2−2185
adaptive array principles, book 2−17
adaptive arrays, static operating mode calc., method of linear eqns. 2−15762
adaptive feed control in completely overlapped subarray antennas 2−6377
adaptive phase, array antennas, signal processing, depth of signal suppression for finite spectral width 2−2220
adaptive receiving antenna array for 150-mi over-ocean link, elimination of HF multipath interference 2−10980
amplitude assignment error compensation in radar antennas *(German)* 2−21244
coherent optical processor, for antenna arrays signals processing *(Russian)* 2−2367
dipole phase arrays, feed region modes 2−21194
directional broadcast arrays for MW band, feeders, phase invariant adjustable power divider, variable phase shifters 2−21250
directionality synthesis, wide angle scan, signal processing, future developments *(Japanese)* 2−15793
directionally-constrained adaptive array, pattern synthesis, anal., limitation in null form. 2−2190
electronic scanning techniques, radar and satcom appls., future prospects 2−26065
interference suppression via sidelobes of antenna radiation pattern 2−15763
linear arrays, soln. to planar wave diffr. problem using auxiliary sources 2−2221
main lobe of the focal spot, position and value of max. 2−10553
military communications appl. 2−16343
multibeam phased array on OTS platform, global maritime communication appl. 2−2732
noise signals in phased scanning antenna arrays 2−21239
optical illumination, freq. charact. 2−21241
radiation pattern nulls, steering array using microwave, digital phase-only weights 2−15735
receiving antenna phased arrays, effect of combination interference due to pattern-shaping ccts on S/N ratio 2−10597
regular structures, uniform, technical diagnostics problems optimisation *(Russian)* 2−10594
sidelobe suppression by multistage decision method 2−10598
signal direction switching in auxiliary channel of stub coupler 2−24669
signal processing for target detection in experimental phased-array radar ELRA 2−6857
tripole antenna, adaptive array of mutually perpendicular dipoles with full polarization flexibility, theory of performance 2−10593
wide-band adaptive antenna nulling using tapped delay lines 2−10592

antenna radiation patterns
adaptive antenna angular resolution factors 2−6804
adaptive array principles, book 2−17
adaptive feed control in completely overlapped subarray antennas 2−6377
adaptive receiving sample length limitations due to noise, number theoretic transform method appl. 2−26066
airborne UHF radiolink for over-sea use, mathematical model 2−6773
AM broadcast antenna array patterns, effect of re-radiation from highrise buildings, towers 2−26064
anisotropic trapezoidal antennas, experimental and theoretical analysis 2−21208
aperture distribution discretization, effect on field intensity, anal. using discrete Fourier transform 2−10554
array, electronic steering, beam pattern, process controlled antenna *(German)* 2−21243
Cassegrain antenna, erected in Leeheim, with switchover feeder system *(German)* 2−6369
Cassegrain antenna for small satellite ground stations *(German)* 2−6370
circular waveguide broadband horn antenna with low sidelobes, GTD anal. and expt. tests 2−10575
conical corrugated horns with wide flare-angle, low cross-polar radiation patterns 2−26053
conical equiangular spiral antenna, properties over extended bandwidth 2−15778
cross-polarised characteristics of symmetrical reflector antennas, influence of beam waveguide system 2−10567
dielectric rod antenna, high efficiency feed for reflector antennas 2−15773
dielectric rod leaky-wave antenna for MM-wave appls., freq. scannable, sidelobe levels and polarizations 2−2216
dielectric-lined conical horn antennas with low cross polarization, aperture efficiency 2−26054
diffraction lobe control in FIR meas, cascaded apertures appl. 2−21219
diffraction synthesis, for antennas with radiating hole in metallic surface 2−2195
dipole antennas, near field evaluation 2−10577
dipole antennas, near field evaluation 2−10578
directional antenna, double feed, elec. and mag. field strength of near and far fields *(German)* 2−10583

antenna radiation patterns continued
directional patterns above imperfectly conducting ground, exptl. aided synthesis 2−10560
directionally-constrained adaptive array, pattern synthesis, anal., limitation in null form. 2−2190
directivity display using spiral scanning CRT *(Japanese)* 2−7035
double-curved mirror antennas, radiation charcts. calc. using Gaussian integration method *(Czech)* 2−6364
doubly orthogonal functions, appl. to antenna pattern synthesis 2−10557
dual arc type wire antenna 2−21212
edge-diffraction analysis, axial caustics and slope diffraction tested by modified ring currents 2−6357
finite antenna arrays design 2−2219
flaw detection in antenna array systems, nonrecursive digital filter realization and appl. 2−10596
free-space transmission loss for anechoic chamber performance evaluation 2−22218
Fresnel field computation using Jacobi-Bessel series 2−10549
HF circular antenna arrays 2−26060
hybrid A/D adaptive beamformer, modified least mean square algorithm 2−6365
hyperboloidal subreflector antenna with conical flange, GTD anal. of far-field radiation pattern 2−10571
IR antenna using corner reflector, EM coupling with 10 micron laser radiation 2−22285
large reflector antennas with spatial distortion errors, computer model, spacecraft communications appl. 2−2777
linear antenna system, axially oriented near perfectly conducting body of revolution, analysis *(Croatian)* 2−15761
linear arrays, soln. to planar wave diffr. problem using auxiliary sources 2−2221
log-periodic dipole antennas, prediction of asymmetry resonance phenomena 2−10570
main lobe of the focal spot, position and value of max. 2−10553
measurement errors in near-field scanning, directional pattern construction 2−21230
MF transmitting antennas, radiation characteristics *(Japanese)* 2−6360
microstrip dipole arrays, active input impedances and radiating currents, formulation of design procedure 2−2214
microwave directive polymer rectangular antennas for X-band high gain work 2−2211
MM-wave dielectric grating antennas, finite width waveguides, radiation props. 2−26057
monopole antenna patterns on finite size composite ground planes, GTD analysis, aircraft structures appl. 2−3564
multibeam antenna arrays, algorithm for signal processing 2−21240
multibeam reflector antenna anal., waveguide antenna feed element radiation patterns 2−10574
multiple-mirror antennas, tolerances theory *(Russian)* 2−10551
near EM field in E-plane of aperture radiator rel. to phase distrib., calc. and expt. 2−10584
near field polar diagrams, FFT speed for large data blocks *(Russian)* 2−542
noise temperature calc. for antennas with axially symmetrical radiation pattern 2−10556
nonaxially symmetrical reflectors, radiation pattern calc. 2−21231
optimal beamformer response to source with all-pole angular power density spectrum 2−26147
PC antennas for car windscreens *(Spanish)* 2−4446
planar metal antennas on dielectric surface 2−15774
planar waveguide-fed slot arrays, optimum sum and difference patterns 2−26059
prime-focus symmetric paraboloidal reflector antenna, GTD anal. of near-field patterns 2−10573
radome-covered reflectors, prediction and performance 2−21229
random sonobuoy array statistical props. and beam patterns 2−27310
RATAN-600 radiotelescope, with no aberration 2−16535
RATAN-600 radiotelescope radiation pattern allowing for aberrations 2−16536
receiving antenna phased arrays, effect of combination interference due to pattern-shaping ccts on S/N ratio 2−10597
rectangular aperture, partial phase centre stability rel. to field distrib. 2−10555
rectangular horn arrays with oversized aperture elements, 14 Ghz, blind spots 2−10591
reflector antenna pattern analysis, using fast integration techniques 2−26030
resonant behaviour and detuning of power lines in the MF band 2−26006
resonant thin-wire antenna, thermal response of human in near zone 2−26039
satellite microwave solar power system, antenna optimisation and cost consideration 2−18528
satellite spotbeam antenna, results of tests 2−10558
scattering and radiation properties, precision experimental characterization 2−21197
secondary, offset 2-reflector Cassegrain antenna computation technique 2−10566
shaped dual offset reflectors, compensation for feed crosspolarisation 2−26067
shaped subreflector in high efficiency dual reflector system, GTD anal. of radiation patterns 2−2189
short backfire antenna, effect of disc reflectors on radiation impedance of dipole feed element 2−26036
short pulse conditions, sidelobe region changes 2−2831
slotted waveguide antenna near field measurements, using holography 2−26048
solar power satellite transmitting antenna, radiation patterns 2−27829
synthesis of antennas using a modified method of partial patterns 2−2196
synthesis technique using iterative matrix technique 2−26031
synthesised radiation pattern of receiving antenna array, effects of noise on performance charcts. 2−10552
tapered backfire helical antenna with loaded termination 2−26037
target identification radars, cross-section and antenna pattern meas., 100 MHz to 100 GHz 2−21865
test range evaluation by comparing quasi plane wave regions 2−2198
time-domain adaptive array processing and beamforming recursive algorithms 2−26140
transmitting antenna for MW and SW, earthing, feeder and insulation *(Japanese)* 2−21251
TV antennas, influence of diffraction on radiation 2−10563

antenna radiation patterns continued
umbrella reflectors, boresight-gain loss and gore-related sidelobes 2−21200
variable-profile antenna, radiation patterns 2−21232
waveguide fed reflector power pattern, cross-polarisation effect 2−15759
wide-angle horn for 4-GHz and 6-GHz bands, VSWR charact., cross-polar sidelobes <−22 dB 2−2208
wide-band adaptive antenna nulling using tapped delay lines 2−10592

antenna reflectors
Chinese University of Hong Kong microwave and antenna research 2−21249
IR antenna using corner reflector, EM coupling with 10 micron laser radiation 2−22285
reactance-loaded waveguide antenna arrays, H-plane arrays with sub-reflectors 2−15792
RF spectrum improved utilisation methods *(German)* 2−11132
shaped dual offset reflectors, compensation for feed crosspolarisation 2−26067
shaped subreflector in high efficiency dual reflector system, GTD anal. of radiation patterns 2−2189
variable-profile antenna, secondary mirror polarization props. 2−16534

antenna theory
3-D corner reflector antenna of arbitrary apex angle, analysis 2−21206
, multibeam satellites communications appl. 2−11072
active fast tunable antennas, analysis of obtainable improvements of dynamic qualities 2−21218
adaptive array of two pairs of crossed dipoles, polarization sensitivity, calc. 2−2185
adaptive arrays, static operating mode calc., method of linear eqns. 2−15762
adaptive arrays, steady-state analysis, a new approach 2−21199
anisotropic trapezoidal antennas, experimental and theoretical analysis 2−21208
aperture distribution discretization, effect on field intensity, anal. using discrete Fourier transform 2−10554
arrays, Dolph-Chebyshev excitation coeffs., generation 2−15794
backfire bifilar helical antenna with tapered feed end 2−2202
beamforming for linearly constrained adaptive array processors 2−21193
broadband equivalent circuits for energy collecting structs., positive-real function aspects of equiv. admittance for SEM method 2−2183
canceler performance degradation, multiple sidelobe, due to estimation noise 2−6850
circular antenna arrays, effect of directional elements on directional response 2−21205
circular microstrip antenna, resonant freq., asymptotic formula 2−6359
conducting half-sheet, dyadic Green's function, appl. to calc. of input impedances of monopole and notch antennas 2−2186
conical equiangular spiral antenna, properties over extended bandwidth 2−15778
corner-reflector antenna with tilted dipole, theory 2−21204
cross-spectral densities of array elements for folded dipole and loop antennas 2−10548
crossed dipole antenna arrays, influence of lattice geometry on EM wave transmission 2−21203
curvilinear screen array, diffraction of plane E-polarised waves *(Russian)* 2−21071
diakoptic theory for multielement antennas 2−21192
dielectric antenna feeds with low cross polarisation 2−21252
dielectric-lined conical horn antennas with low cross polarization, aperture efficiency 2−26054
diffraction synthesis, for antennas with radiating hole in metallic surface 2−2195
dipole antenna current distrib., calcs. based on modified King-Middleton approx. 2−2192
dipole antennas, broadband equivalent circuits, positive-real function props. of cct. admittances 2−2184
dipole antennas, near field evaluation 2−10577
dipole phase arrays, feed region modes 2−21194
directional antenna, double feed, elec. and mag. field strength of near and far fields *(German)* 2−10583
directional patterns above imperfectly conducting ground, exptl. aided synthesis 2−10560
directionally-constrained adaptive array, pattern synthesis, anal., limitation in null form. 2−2190
double-curved mirror antennas, radiation charact. calc. using Gaussian integration method *(Czech)* 2−6364
doubly orthogonal functions, appl. to antenna pattern synthesis 2−10557
dual arc type wire antenna 2−21212
dual circularly polarized antennas, axial ratio meas. 2−26041
edge-diffraction analysis, axial caustics and slope diffraction tested by modified ring currents 2−6357
elliptic loop antennas, optimum directivity 2−15776
feed-point impedance of corner-reflector antenna with tilted finite-length dipole 2−2205
field distribution and radiation field of finite axial slots on circular waveguides 2−2193
finite antenna arrays design 2−2219
folded and T-matched dipole transformation ratio 2−21201
Fresnel field computation using Jacobi-Bessel series 2−10549
gratings, classical and crossed, microwave range of diffr., expt. investigation 2−2116
ground scattering in microwave links 2−2137
Hausdorff synthesis of aerial grids in scanning directivity diagram *(Bulgarian)* 2−6358
helical antennas, adjustment of polarization and phase charact. 2−26032
helical antennas radiating in axial mode, gain-frequency characteristics analysis 2−10559
HF antennas for amateur radio, theory and practice 2−10562
historical review from 1949 to 1954 *(German)* 2−6361
horn antenna effective area meas., errors evaluation 2−17118
hybrid A/D adaptive beamformer, modified least mean square algorithm 2−6365
hyperboloidal subreflector antenna with conical flange, GTD anal. of far-field radiation pattern 2−10571
impedance characteristics of polymer circular and rectangular antennas operated in X-band 2−21225
input conductances of 2 thick monopole antennas, numerical, experimental results 2−2200
input impedance of dipole parallel to edge of wedge 2−21211

antenna theory continued
IR antenna using corner reflector, EM coupling with 10 micron laser radiation 2−22285
Jerusalem cross microwave antennas, improved empirical model 2−21202
linear arrays, soln. to planar wave diffr. problem using auxiliary sources 2−2221
loop and helical antennas, short-circuit STEMP response meas. and calc. 2−21224
loop antennas, broadband equivalent circuits, positive-real function props. of cct. admittances 2−2184
low freq. electromagnetic penetration of loaded apertures 2−15758
microstrip dipole arrays, active input impedances and radiating currents, formulation of design procedure 2−2214
MM-wave dielectric grating antennas, finite width waveguides, radiation props. 2−26057
modified batwing antenna analysis using moment method, VHF TV superturnstile systems appl. 2−11172
monopole antenna, response to EM pulse with corona, transmission line model 2−26040
multiple-mirror antennas, tolerances theory *(Russian)* 2−10551
mutual coupling between antennas on electrically large perfectly conducting smooth convex surface, EM field induction 2−10550
mutual coupling between thin linear antennas in presence of metallic scatterer, EM compatibility appl. 2−10522
near EM field in E-plane of aperture radiator rel. to phase distrib., calc. and expt. 2−10584
near field analysis and measurement, unified theory, nonmathematical discussion 2−21196
near field polar diagrams, FFT speed for large data blocks *(Russian)* 2−542
near-field region coupling, computational methods 2−21198
noise temperature calc. for antennas with axially symmetrical radiation pattern 2−10556
open-ended small radiating coaxial antenna probes in lossy media, energy absorption 2−10576
phased antenna arrays, interference suppression via sidelobes of antenna radiation pattern 2−15763
piecewise-linear antennas, current distrib., generalized Hallen's type integral equation, closed form kernel 2−2188
planar aperture antenna in inhomogeneous medium EM field, geometrical optics ray representation 2−2194
planar metal antennas on dielectric surface 2−15774
plane wave scattering from infinite loaded dipole planar array over lossy half space 2−2201
polarizabilities of electrically small apertures of arbitrary shape 2−15757
prime-focus symmetric paraboloidal reflector antenna, GTD anal. of near-field patterns 2−10573
printed circuit dipole antenna theory, for millimetre waves 2−26058
profiled E-plane tapers and horns, mode conversion 2−15797
radiation from dipoles near finite length cylinder 2−2199
radiotelescope reflector antennas, four-cornered surface plates, internal twist and least-squares adjustment, theory 2−11127
radiotelescope response and Muller polarization matrix 2−16533
radome-covered reflectors, prediction and performance 2−21229
receiving antenna phased arrays, effect of combination interference due to pattern-shaping ccts on S/N ratio 2−10597
rectangular aperture, partial phase centre stability rel. to field distrib. 2−10555
reflector antennas, mm loading with surface impedance to give improved performance, single and dual antennas 2−2187
reflector antennas, surface-curvature-induced microwave shadows 2−21195
reflector mappings in computer plane, uniqueness theorem, Monge-Ampere eqn. 2−6363
regular structures, uniform, technical diagnostics problems optimisation *(Russian)* 2−10594
reverberating chamber to evaluate radiated power of transmitting equipment 2−21213
scattering properties of an antenna using rapid swept-frequency mesurements 2−2197
shaped subreflector in high efficiency dual reflector system, GTD anal. of radiation patterns 2−2189
short- or open-circuited dipole parallel to perfect reflector plane and embedded in substrate and acting at resonance 2−15777
skew dipoles, mutual impedance calc. using induced EMF and numerical integration method *(Japanese)* 2−15779
split coaxial balun, radiated power freq. characteristics from pair of slots *(Japanese)* 2−15760
sunflower spiral antenna, effect of axial ratio 2−10565
superconductivity antenna arrays, calc. 2−6362
synthesis of antennas using a modified method of partial patterns 2−2196
thin-wire antennas, circumferential polarization of current, effects 2−2191
thin-wire antennas and scatterers, network loading in time domain 2−21210
torus antenna over a conducting plane, ground reaction 2−21209
tripole antenna, adaptive array of mutually perpendicular dipoles with full polarization flexibility, theory of performance 2−10593
twin loop antenna analysis using moment method, UHF TV transmission appl. 2−11173
Wiener-Hopf solution for the radiation from a cylindrical truncated waveguide with anisotropic boundary conditions on the walls 2−21177
wire antennas near curved surface, treatment by hybrid MM-GTD technique 2−21217

antenna travelling wave arrays
No entries

antennas
see also active antennas; antenna radiation patterns; broadcast antennas; dipole antennas; directive antennas; microwave antennas; mobile antennas; radar antennas; receiving antennas; reflector antennas; scanning antennas; television antennas
12 to 14 GHz band small ground satellite stations, charact. *(Czech)* 2−6800
adaptive, description and algorithms for control 2−14200
Black Mt. Telecom. Tower, Canberra, building engineering services 2−23968
Black Mt. Telecom. Tower, Canberra, design and construction 2−26420
Black Mt. Telecom. Tower, Canberra, project development and building facilities 2−26419
Black Mt. Telecom. Tower, Canberra, radio functions and specification 2−26418

antennas continued
broadband communication antenna equiv. ccts., synthesis using computer-aided optimization methods 2−10564
circular microstrip antenna, resonant freq., asymptotic formula 2−6359
communications antennas, performance evaluation, approx. formulas 2−21215
cubical quad antenna. I. In the beginning 2−10569
double-curved mirror antennas, radiation characts. calc. using Gaussian integration method *(Czech)* 2−6364
dual circularly polarized antennas, axial ratio meas. 2−26041
DX operating using simple antennas 2−16334
earth station performance meas., impact on future design 2−11056
feed impedance of loaded λ/4 vertical antennas and the effects of earth systems 2−26047
fibreglass boomless 2-element Gem quad antenna, 10, 15 and 20 m operation, amateur radio appl. 2−15766
fixed-mount earth station antennas, performance 2−21770
helical antennas, adjustment of polarization and phase characts. 2−26032
high-gain antenna for satellite work, ten-turn chopstick helical 2−2212
history of development 2−21214
intercontinental communication links via satellites, Raisting, largest earth station 2−21797
isotropic pattern antennas, synthesized, for EM field meas. 2−21234
leaky waves supported by wire grid above a reactive surface 2−2204
lightning protection for amateur radio 2−15765
loaded conical log-spiral antenna efficiency, radiated power calc. 2−15775
longwire VHF, UHF antenna operation, feeders, matching 2−2207
loop and helical antennas, short-circuit STEMP response meas. and calc. 2−21224
Marecs, communication satellite 2−6802
matching procedure for use with FT7 transceiver, amateur radio appl. 2−16341
measurement and test instrumentation, conf., Ottawa, Canada (Sept. 1981) 2−11367
MF transmitting antennas, radiation characteristics *(Japanese)* 2−6360
monopole antenna patterns on finite size composite ground planes, GTD analysis, aircraft structures appl. 2−3564
multiple beam antennas, use in 20/30 GHz FDMA satellite systems for rain fading compensation 2−6815
passive devices for impedance matching 2−6366
performance analysis, propag. prediction method 2−15764
performance improvement, domestic amateur radio installations appl. 2−10561
reconfigurable multiple-beam antenna, use in capacity allocation for multi-transponder communications satellite 2−6814
rhombic, steerable high gain antenna for 432 MHz 2−15771
satellite ground station, future requirements 2−16426
satellite ground stations, engineering aspects 2−2735
satellite TV broadcasting system technology for 80s 2−11044
synthetic-fibre ropes for staying aerials, elec. field effects *(German)* 2−10602
TDRSS ground segment implementation 2−11042
TDRSS ground station software/ADPE 2−12044
tracking telemetry instrumented airborne vehicles, selection criteria 2−10822
vertical 3-band ice cream hole, amateur radio appl. 2−10568
vertical 40 m antenna for amateur DX operation 2−15770
VHF J-type, 2, 6 and 10 m FM operation 2−15772

anticorrosion coatings *see corrosion protective coatings*

antiferroelectric materials
see also antiferroelectricity; ferroelectric materials
No entries

antiferroelectricity
see also antiferroelectric materials
No entries

antiferromagnetic Curie temperature *see Curie temperature*

antiferromagnetic-ferromagnetic transitions *see ferromagnetic-antiferromagnetic transitions*

antiferromagnetic properties of substances
see also antiferromagnetism; magnetic semiconductors
$DyMo_6S_8$, antiferromag. supercond., mag. order effect on H_{c2} 2−9888
$FePS_3$ cathode in Li battery, synthesis, struct. and phys. props. *(French)* 2−18449
$GdMo_6S_8$, antiferromag. supercond., mag. order effect on H_{c2} 2−9888
MnTe, antiferromagnetic, elec. resist. and mag. susceptibility 2−20116
$NiPS_3$ cathode in Li battery, synthesis, struct. and phys. props. *(French)* 2−18449
$TbMo_6S_8$, antiferromag. supercond., mag. order effect on H_{c2} 2−9888

antiferromagnetism
see also antiferromagnetic properties of substances
No entries

antireflection coatings
antireflection trilayers, wavelength-depend. laser marking characts., 400-700 nm 2−1773
combined solar-energy converters with selective coatings 2−12852
solar cell 2−23497
wide-band antireflection coating layers, photometric optical thickness monitoring 2−10103
In_2O_3 coated mirrors to eliminate spacecraft surface charging 2−20709
Si inversion layer MIS solar cells, electrostatic effects 2−23641
Si solar cells selective coatings, survey of present state of research 2−4340
Si:H, amorphous, solar cell, transparent conducting coating 2−12859
Ta_2O_5, antireflection coating for Au-CdS Schottky barrier solar cell 2−18475
TiO_2 by thermal oxidation of TiN sputtered diffusion barriers 2−12880
TiO_2:B antirefl. coating, spray deposition, Si solar cell appl. 2−23498

aperture cards *see microforms*

APL
principal components analysis, APL functions 2−24222
statistical anal. program 2−19123

apodisation *see acoustic imaging; optical images*

apparatus *see instrumentation; instruments*

apparent porosity *see porosity*

appliances, domestic *see domestic appliances*

approximation theory
see also function approximation; interpolation; least squares approximations
approximately finite-dimensional Banach spaces 2−4941
approximation spaces 2−4936
automatic selection of sequence transformations 2−477
Cauchy fourfold characts. correctness 2−8398
characterisation theorem for best approximation with interpolatory constraints sufficiency half *(Chinese)* 2−13688
classes of functions, on approximation of a class by another class and extremal subspaces in L_1 2−8673
co-positive approx. operator, best, continuous points characterisation *(Chinese)* 2−13674
constant-moment cam design, establishment and solution of a differential equation *(Chinese)* 2−13717
convection-diffusion equations, stability and error estimates of Galerkin finite element approximations 2−8678
cumulative distribution functions, not strictly monotonic, adaptive algorithms for piecewise linear approx. *(Russian)* 2−455
decay rate of periodic solutions for a conservation law 2−19292
determining sets and best L_1-approximation 2−4935
deviation of best discrete and uniform polynomial approximants 2−8674
differentiable function 2−459
diffusions on an infinite dimensional torus 2−467
diffusions on an infinite dimensional torus 2−4943
discrete linear approximation 2−8680
domain with smooth boundary, linear convexity 2−19308
dynamic behaviour estimation using statistico-probability method 2−27328
elastic bodies contact, finite element anal. 2−19286
entropy numbers, s-numbers, and eigenvalue problems 2−463
entropy numbers of diagonal operators with an application to eigenvalue problems 2−4937
Euler-Frobenius polynomial spline approximation 2−8689
Euler-Poisson-Darboux, differential equation, Dirichlet problem 2−8763
finite difference method convergence 2−19284
Gaussian processes, nonstationary complex processes, strong approximation 2−264
geometrically isolated nonisolated solutions 2−8699
Hermit-Fejer polynomials, second class, degree of approximation *(Chinese)* 2−13689
interpolatory rational trigonometric approximation 2−8702
l_1 rational approximation 2−8684
line arrangments with maximum number of four-sided surfaces *(German)* 2−481
linear operator mapping 2−19300
lowest order squared rectangles 2−478
metaplectic representation, Weyl operators and spectral theory 2−4945
Monge-Ampere equations on the compact Riemann manifold *(French)* 2−464
moving picture encoding, adaptive straight line approx. technique 2−10645
moving weighted average smoothing extended to the extremities of the data, stability and optimal properties 2−19096
multidimensional distributions class 2−19310
N-point sectional Pade' approximant, calculation method *(Chinese)* 2−13684
natural simple projection with norm $\leq\sqrt{n}$ 2−13698
on the curved elements of Hermite type and their applications *(Chinese)* 2−13718
on uniform boundedness principles and Banach-Steinhaus theorems with rates 2−8692
Peano curve of Schoenberg is nowhere differentiable, proof 2−19293
pluri-harmonic duality theorem *(French)* 2−13785
polynomial quadratic forms decomposition, using second degree polynomial classifier *(German)* 2−19078
Poreda's problem on the strong unicity constants 2−19295
product approximation for non-linear problems in the finite element method 2−8676
rational approximation of $(1-x)^{1/2}$ 2−13697
real Monge-Ampere equations *(French)* 2−465
reciprocal iterative algorithm, theoretical anal. *(Chinese)* 2−13690
recursive digital filter design, applns. 2−19291
regularisation methods 2−24240
Riemann manifold irreducibility and reducibility 2−466
second-order pulse-phase-locked AFC systems, method of investigating dynamics 2−783
separation principle 2−24239
Shanno-Toint procedure for updating sparse symmetric matrices 2−24193
shell theory 2−19312
simultaneous approximations singularity 2−13703
singular integral equations, solution by refining iterations 2−13798
some quasi-variational inequations with non-monotone restriction *(French)* 2−13704
stability theory for absolutely continuous parts of commutative m-tuples of self-adjoint operators in complex Hilbert spaces 2−4940
subinterval continuity and strong unicity 2−13701
subspace Curtis theorem 2−8685
Taylor's series approximation method using dynamic programming 2−19267
ten-neighbour packing of equal balls 2−484
vector orthogonal polynomials 2−8704

arc discharges *see arcs (electric)*

arc furnaces
electric arc furnace cct. impedance determ. from single dip-test 2−18766
electrical parameters calc. method 2−18768
electrode regulation using Rogowski coils for exact current measurement 2−23754
higher current and voltage harmonics/ in operating regimes/ of steel-melting arc furnaces 2−4492
melting processes, electrical energy consumption minimisation by microprocessor based control system *(German)* 2−18759
metal circulation in two-phase and three-phase in-line electrode arc furnaces 2−8106
noise reduction by electrotechnical methods 2−8118
small fluctuations of synchronous motors in the supplies of plants with steel-smelting arc furnaces *(Russian)* 2−4059
steelmaking, new generation 2−8090

arc furnaces continued
submerged arc furnace microcomputer control system 2−8108
submerged arc furnaces, electrical variables meas. system 2−11562
ultra-high-power steel arc furnaces, transformers connection *(Czech)* 2−18292
voltage stabilisation, reactive compensation, steelmaking 2−13079
arc heaters *see arc furnaces*
arc lamps
alumina, alkali metal and halide vapours interaction with ceramic materials 2−13054
direct retrofit type Sc-Na halide lamps operating with Hg lamp ballasts, luminous efficacy improvement 2−8062
modified NaI-ScI_3 metal halide lamps in E18 outer jackets 2−4456
recent developments in light sources *(Japanese)* 2−13053
solid state ballast for mercury arc discharge lamps *(Italian)* 2−4452
Dy-Tl-Na-CsI arc lamps, factors affecting lumen maintenance *(Japanese)* 2−8063
Xe arc lamp, radiant flux stabilisation 2−18740
arc welding
see also welding equipment
application of microcomputers in automated arc welding systems 2−18807
arc welding current amplitude distribution relationship with shielding mixture composition 2−23825
arcs, equations for pressure and force deter. 2−23800
automatic spot welding equipment for small component manufacture 2−28299
Clean MAG (metal active-gas) transistor-pulse welder, Mitsubishi Electric product 2−23813
coated electrodes in arc welding, users' needs 2−28302
current distribution modelling using conducting paper 2−23826
current regulator for arc welding, fast response 2−18816
effects of a longitudinal pulsating electromagnetic field on the gas-kinetic pressure of an arc 2−28272
electrical contact investigation *(Polish)* 2−18813
electromagnetic parameters effect on density and mech. props. of Al welded joints 2−28278
electroslag surfacing with cored wire, temp. gradients 2−23801
electroslag welding, physical modelling aspects 2−8112
fusion welding along flat curvilinear contours using industrial robot with photoelectronic programmed control system 2−28298
gas main pipes with low-alloy wire electrode, weld impact strength 2−23802
gas-shielded, for aluminium fabrication, engineering guide 2−23828
leakage transformer, properties during arc welding *(Czech)* 2−18293
method for the smooth regulation of power sources including longitudinal-capacitive compensation 2−28273
MIG/MAG welding, and arc length regulation *(Slovenian)* 2−13108
narrow-gap welding, molten metal shielding, effects of vapours and gases generated in arc zone 2−28295
plasma arc properties, welding condition effects 2−18812
plasma-arc welding of steel, quantitative data on thermal efficiency 2−28294
plasma-GMA welding for Al assemblies 2−23829
recommended procedure for stainless steels 2−23830
robot arc welding line, computerised, for axle housings fabrication 2−28301
rotating machine for welding in high vacuum and cryotechnique *(German)* 2−18804
spot welding machine with multielectrodes, for building ships decking 2−28300
submerged-arc hardfacing with increased electrode stickout, limiting parameters 2−23806
submerged-arc strip surfacing with magnetic arc control 2−28292
surface plasma-arc cutting, effects on welded joint properties in 10KhSND and 10KhN1M steels 2−28296
welded joint dimensions and properties, welding with strip and wire electrodes, effects 2−28293
welding transformer with thyristor current regulation, continuous arc-running stability 2−23805
Fe, mechanised welding with cored wire, weld formation features 2−23803
architectural acoustics
see also anechoic chambers; echo; noise abatement; reverberation
broadcast and recording studio, measuring techniques *(Japanese)* 2−2875
Delta Stereophony, directional sound transmission for large auditoriums, sound intensity distrib. *(French)* 2−22029
digital 4-channel PCM recording opera, Bayreuth appl. *(Italian)* 2−6966
film recording studio, acoustic design 2−16735
film sound recording studio reconstruction, acoustic features 2−3013
number theory appl. in physics, communication engineering and artistic designs 2−19065
room acoustics, digital simulation system *(German)* 2−27319
scale acoustic models, speech imitation source 2−17593
sound recording studio control rooms, quidelines for obtaining good acoustic characts. 2−26679
speech studio acoustic design of local radio broadcasting station 2−16551
violin sound quality, problems in recordings for listening evaluation 2−22016
architectural CAD
CLASP-HL CAD system 2−23860
development in France 2−23856
development in France 2−23857
solar heated building, development in France 2−23858
statical dimensioning of prestressed reinforced concrete beams 2−23859
architectural computer aided design *see architectural CAD*
architecture
see also building; civil engineering
modern entertainment, art and architecture 2−25881
Nuremberg distinct heating power station chimney design *(German)* 2−27684
arcing *see arcs (electric)*
arcing, switches *see circuit-breaking arcs*
arcs (electric)
see also arc furnaces; arc lamps; arc welding; circuit-breaking arcs
AC arc discharge instability measurement, microprocessor based measurements 2−11360
arcing current control cct. 2−19819
black box model characteristic functions *(German)* 2−14555
characteristic functions determ. *(German)* 2−14556
arcs (electric) continued
current zero phenomena by switching-off low-voltage circuits with currents up to 500 A *(Czech)* 2−24854
emission centre formation on cathodes during elect. current switching in vacuum arcs 2−1104
fuse testing, total arcing energy maximisation 2−14357
fusion reactor supercond. magnet system, pot. failures and hazards 2−1631
gas-filled spark gap triggered RLC ccts. 2−14599
graphite electrode of electric arc, use as high temperature standard 2−14554
hazard of burns from electric arc blast 2−8241
LV insulations AC voltage insulating power *(German)* 2−25372
MIG/MAG welding, and arc length regulation *(Slovenian)* 2−13108
Myler thin film, surface flashover arc orientation 2−20438
prearcing processes in fast fuses, calc. and obs. *(Russian)* 2−19931
radio noise spectrum meas. by surge current arcs 2−21121
RF ignition hazards review 2−13247
steel plate fabrication noise problem rel. to air-arc gouging 2−8110
striking mechanisms investigation, Schlieren methods appls. *(French)* 2−17716
switchgear contact erosion behaviour in arc switching media *(German)* 2−18379
tandem accelerator tube leaking procedure using low voltage arc discharge 2−11735
turbogenerator on-line diagnostics using RF monitoring for internal arc detect. 2−23258
turbogenerator shaft damage by electric arc, thermal processes digital simulation *(Czech)* 2−12584
two-electrode gap immersed in arc plasma, breakdown voltage meas. 2−24855
vacuum circuit breakers for medium voltage power switching installations, quenching and arc extinction mechanisms *(German)* 2−28054
CO_2 gasdynamic laser with electric-arc heating, stimulated emission at 18.4 μ 2−20830
area measurement
glass particle-detector track diameter and area meas. 2−27049
US plethysmograph, microprocessor-controlled, limb cross-section area meas. 2−3480
arithmetic (digital) *see digital arithmetic*
armouring (cables) *see cable sheathing*
arrays (antenna) *see antenna arrays*
art
designs, artistic, number theory appl. 2−19065
laser lighting, appl. to modern entertainment, art and architecture 2−25881
articulation (speech) *see speech*
artificial hearts *see artificial organs*
artificial intelligence
see also adaptive systems; automata theory; biocybernetics; brain models; heuristic programming; learning systems; neural nets; self-adjusting systems
automatic extension of an ATN knowledge base/ 2−2258
inclusion in curricula of Portuguese universities, recommendations, relevance and justification *(Portuguese)* 2−18884
vectorcardiograms interpretation through artificial learning, VITAL 2−27192
artificial kidneys *see artificial organs*
artificial limbs
closed-loop control, historical perspective 2−17413
cybernetic limb prosthesis, historical development, current status and future prospects 2−22569
dynamic control of robotic and human limbs 2−17424
EMG pattern discriminator for artificial arm *(Japanese)* 2−27205
myoelectric prosthesis functional effectiveness compared with split-hook, single subject expt. 2−22572
artificial organs
see also prosthetics
cochlear, thin-film multielectrode arrays 2−22570
insulin delivery system, implantable 2−11965
larynx, intraoral, for revocalisation of laryngectomised patient 2−17423
left ventricular assist device, magnetically actuated implantable 2−11966
review of priorities for research in external aids 2−17421
artificial satellites
advanced satellite power system concept 2−18137
AMSAT-Oscar satellites, passage through Earth's shadow in 1978 2−26470
analytical survivability to nuclear weapon explosion effects estimates 2−17449
APPLE stabilised communication satellite, development of launch and experimentation in India 2−3532
Ariane second launch base *(French)* 2−27226
attitude and sensor parameters estimation, using adaptive filtering 2−22592
attitude control system of AMSAT P-3-satellites 2−22650
attitude estimation and control using inertial and optical measurements 2−7361
attitude estimator, ESA starmapper meas. results computing 2−27238
attitude optimisation, apogee kick motor firing maneuver 2−22601
attitude reconstitution, dynamic method based on Sun-Earth colatitudes 2−27237
attitude stability of n-body spin satellite with elastic appendages *(Chinese)* 2−22579
Bhaskara remote sensing satellite, orbit and attitude determ. 2−27234
broadcasting, ESA large multipurpose satellite design 2−21767
charging effects monitoring due to substorm environment 2−22655
clock synchronisation expt. via SYMPHONIE satellite 2−17140
Communication Satellite-2 (CS-2) on-board communication equipment, engineering models, design and characts. 2−22643
communications, DSCS III, test instrumentation and approaches 2−12001
control propulsion subsystem DISCOS, drag-free operation heavy very low altitude satellite appl. 2−3534
CS-2 domestic communication satellite, Japan 2−16431
domestic satellites to be launched in USA through mid-1980s, orbital locations 2−3536
DSCS satellite, RF isolation and compatibility, MIL-STD-1541 2−26480
Einstein satellite and X-ray telescopes (book) 2−11130
electrostatic charging problems and countermeasures 2−3530
EM damper and ferrite isolated data link for SGMP testing 2−17466

artificial satellites continued
energy from space, 21st International and Scientific Space Congress, Rome 1981 Mar. 2−13159
ESA VHF ranging system, SIRIO-2 laser ranging experiment 2−22723
ESOC flight dynamics support 2−22588
European Remote Sensing Satellite, slotted waveguide array antenna 2−6368
EXOS-B, wave-particle interaction expts. with Siple Station *(Japanese)* 2−3593
flight dynamics, conf., Darmstadt, Germany (May 1981) 2−18863
geodesy, present state of Laser Synchronisation by Synchronous Orbit (LASSO) expt. *(French)* 2−3575
geodetic satellites, appl. to space technology to geodynamics research 2−7428
GEOS suprathermal plasma analysers for magnetosphere 2−3608
GEOS-1, european flight dynamics experiment 2−27229
geostationary, east-west station-keeping manoeuvre, using Sun-synchronised method 2−22602
geostationary, Japanese NASDA tracking and control system 2−22594
geostationary, NASDA launched, mission analysis for maneuver 2−22595
geostationary communication satellites development, review *(German)* 2−11020
geostationary platform implementation 2−11038
geostationary satellite orbit, access, progress report on CCIR studies 2−3535
geostationary station acquisition and station keeping with low-thrust systems [geostationary missions] 2−22599
geosynchronous orbital altitude satellite position management 2−11983
geosynchronous satellites, calc. of Earth station Sun outage times 2−16428
global solar power generation and microwave transmission via satellite 2−3974
GOES satellite data appl. to automatic cloud tracking 2−7435
Hakucho cosmic X-ray satellite, instrumentation and performance 2−3445
identification and control, using partitioning methods 2−27243
inclination control using a pulse mode axial thruster 2−22603
INSAT, Satellite Ground Control System 2−12052
INTELSAT V, large three-axis-stabilised communications satellites, spacecraft charge protection 2−22581
INTELSAT VI spacecraft concepts, communications requirements 2−11031
IRAS gyroscopes in-orbit checkout 2−22651
IRAS satellite Operations Control Centre, attitude control subsystem performance verification 2−22710
ISEE-B, anomalous attitude motion computing 2−22600
Japan's communication satellite, satellite control experiments *(Japanese)* 2−17456
Japan's medium capacity communications satellite, charcts. of transponders *(Japanese)* 2−16419
Japanese communication satellite program 2−6793
L-band tracking radar system,, for rocket acquisition and operation *(Japanese)* 2−16494
L-SAT station-keeping strategy 2−22596
LANDSAT MSS data, geometric correction, land cover classification and change detection 2−27263
laser ranging, performance and results of ranging station at Kavalur, India 2−3574
Magsat spacecraft attitude computing 2−22591
Marecs, communication satellite 2−6802
mean-Earth, analytical singularity-free orbit predictor 2−27232
METEOSAT, satellite data appl. to automatic cloud tracking 2−7435
METEOSAT image deformation problem solution, horizon extraction from image data and orbit information 2−27277
Meteosat product-assurance program 2−3526
microwave beams from solar power satellite, ionosphere heating effects 2−27833
microwave radiation from solar power satellites, biological effects and exposure standards 2−27208
microwave remote sensing instrumentation for Earth satellites, advances 2−27266
NAVSTAR, appl. of Global Positioning System geodetic receiver to geodesy and geophysics 2−7409
NAVSTAR GPS, future enhanced capabilities 2−22589
Navstar space-based navigation system, computer simulation and performance capabilities 2−21878
near-Earth satellite orbit determ., 1981-status and future trends 2−27231
NOVA satellite, low susceptibility proof mass for trajectory control 2−22640
nuclear explosion, damage due to X-ray pulse, current injection tests 2−17463
nuclear explosion EM pulse problems and satellite design 2−17466
nuclear explosion X-ray damage problem, laboratory simulator 2−17464
nuclear explosion X-ray pulse damage problem 2−17450
nuclear explosion X-ray pulse damage problem 2−17465
nuclear weapon vulnerability assessment using NHEP-S, classification, categorisation and screening 2−17448
operative position finding, artificial satellite appls. in navigation, geophysics and surveying, dist. meas., radio interferometry *(German)* 2−17455
orbit meas. and correction 2−27233
orbital image sensor geometry simulation, in FORTRAN 2−12063
orbits, perturbations due to radiation pressure, modelling 2−22587
orbits analysis, upper atmosphere and gravitational field research review 2−22586
OSCAR, communication satellite, development 2−11047
Oscar 7, advantages; and Oscar 9, detailed description *(Spanish)* 2−26472
Oscar 7 and Oscar 8, operation of satellites for communications between amateurs *(Spanish)* 2−16423
OTS, 60 Mbit/s digital transmission tests, results and conclusions 2−11052
OTS, general description 2−11984
OTS, platform performance factors affecting link budgets 2−11051
OTS, RF performance tests made by ESA, results and conclusions 2−10506
OTS, TDMA/DSI system tests and telephony channel tests 2−11054
OTS, tests and experiments, conf. London, England, 1981, April 2−8151
OTS depolarisation meas. at 11 and 14 GHz 2−10503
OTS experimental programme, overview 2−11049
OTS RF classical transmission tests, results and conclusions 2−10505
OTS used to obtain attenuation statistics 2−10502
OTS-2 Orbital Test Satellite, orbital thermal-control experience 2−3528
overview of satellites and satellite communications *(Swedish)* 2−26466

artificial satellites continued
photovoltaic space power technology for military appls., extension to 100 kW calc. range 2−18548
power distribution in USA, control by satellite, proposal 2−3690
power system concept development and evaluation programme, in USA 2−27830
quality control for mission-critical flight dynamics operations 2−27235
remote sensing, data collection platforms for local Earth data transmission to satellites, problems *(German)* 2−22191
remote sensing, reduction of satellite magnetometer data for geological studies 2−17552
rescue operations, auxiliary transfer orbit manoeuvres for near nominal geostationary mission 2−22597
SAT NAV satellite maritime navigation system *(Spanish)* 2−21875
scanning-spot-beam satellite for communications in USA 2−6795
SeaSat-A scatterometer, Ku-band ocean wind/radar signature 2−27280
servicing in orbit 2−22580
SIRIO-2 LASSO mission, orbit determ. simulations using laser ranging data 2−27244
Sirio-2 program, MDD and Lasso missions 2−7366
Skylab decay follow-up, CNES activities 2−22604
solar power, transmitting energy to earth via 2.45 GHz continuous wave microwaves, effects on honey bee colony 2−27834
solar power satellite antenna arrays, performance meas. aspects 2−27826
Solar Power Satellite laser beam power transmission, power generation from laser-produced plasma *(Japanese)* 2−4379
solar power satellite photovoltaic solar array development requirements, assessment 2−27822
solar power satellite technology, critical aspects 2−27823
solar power satellite transmitting antenna, radiation patterns 2−27829
solar power satellites, economic feasibility study 2−27824
solar power satellites, effect of ice on off-shore microwave receiving antenna elements 2−10599
solar power satellites, environmental effects on upper atmosphere 2−27827
solar power satellites, health and environmental risk evaluation 2−27825
solar power satellites, integration with utility system networks 2−27832
solar power satellites, potential 2−27820
solar power satellites, potential contribution to energy needs in Europe 2−27831
solar power satellites supplying power to Western Europe, antenna technology aspects 2−27828
solar power stations, control and erection, need for high accuracy 2−17462
solar power stations, environmental factors associated with construction and operation 2−18093
solar power stations, microwave power transmission, problems, solutions, and research necessary 2−18091
solar power stations, microwave power transmission mechanical problems and nonlinear effects 2−18092
solar power stations, solar cells *(Polish)* 2−28120
solar power stations, thermal efficiency aspects *(Italian)* 2−18095
solar power stations as world-wide energy system, market potential and physical limitations 2−18090
solar power system 2−18483
solar power system launch into geosynchronous orbit, transportation system and cost comparison 2−17461
solar power systems, energy balance aspects 2−18096
solar pressure attitude stabilization of Earth-pointing spacecraft 2−22583
SOLARIS project, French development of unmanned space-processing platform 2−17452
space-based radar, prospects 2−26536
space-enhancing technological leadership, conf., Boston, MA, USA, (Oct. 1980) 2−8159
spaceborne ocean observations, NASA programs 2−17578
spacecraft attitude determ. and control. book 2−13196
spacecraft charging induced discharges, voltage gradients in solar array cavities as breakdown sites 2−23425
spacecraft charging tests using multiple electron guns, NASCAP simulation 2−22611
spacecraft model testing in combined environmental simulator 2−22610
Spacelab System Verification Program 2−3529
spin stabilised, motion irregularities analysis 2−22590
STARSAT, SGEMP test, high-level current injection testing 2−17463
stationary, collision probabilities and methods of collision avoidance *(Japanese)* 2−27227
surveying and ocean navigation appl., Transit development 2−6866
switch and relay telecommunication satellite development trends 2−26477
symmetric, non-ideal spin manoeuvres calc. 2−27230
system-generated EM pulse simulation fidelity criteria 2−17464
TDRS satellite, tracking and data relay, spacecraft and telecommunication payload 2−17451
Telecom 1, telecommunication payload 2−26463
Telecom-1, 4 GHz output multiplexer development, carbon fibre technology based *(French)* 2−11022
telemetry, drifting buoy obs. 2−22735
thruster performances modelling and parameters estimation 2−22620
Tiros weather satellites, third generation equipment *(German)* 2−17559
TIROS-N series satellites, high-resolution weather satellite pictures, receiver design 2−11026
tracking facilities, orbit determ. accuracy assessment 2−27259
triaxial satellite response and separate body tesitng within SGEMP simulator 2−17465
triple probe method for plasma parameter display in spacecraft condition 2−17563
UOSAT educational satellite, charcts. 2−2736
Upper Atmospheric Research Satellite, mm-wave radiometer system, atmos. parameter meas. 2−22724

asbestos
No entries

asdic *see sonar*

aspherical lenses
see also aberrations
geodesic lenses in Ti-indiffused $LiNbO_3$ waveguides, performance charcts. 2−6037
integrated optics, geodesic components, use of aspherical surfaces 2−6043
integrated optics spectrum analyser, aspheric geodesic lenses 2−6044
measurement by optical differential technique 2−7211
spectral analyser, integrated acoustooptic, prototype 2−1761

assemblers (program) *see program assemblers*

assembling
see also microassembling
automated capsule inspection method 2−26655
building block design of flow mechanised lines for fluidic treatment of printed circuit boards *(Russian)* 2−9703
coaxial cable and connector assembling method 2−19924
combined disc and spacer for storage device 2−4657
component handling equipment for conveying production parts 2−70
covered electric connections on PCBs, semi-automatic execution with programmable assembly station 2−19980
electronic assemblies, aqueous processes for wave soldering/cleaning, effluent treatment 2−13285
hard and flexible automation for assembly operations in the electromechanical industry 2−8268
instruments, assembly failure prevention 2−3170
Josephson technology package, assembly and retention of comp. parts 2−15248
leadless chip carrier, attachment methods 2−19004
magnetic head assembly tool 2−5894
multi-purpose stiffener for use on PCB, precision-machined fabrication 2−1046
PC assemblies, UV curable conformal coatings 2−14462
PC design, manufacture, components and assembly, book 2−4569
PCB assemblies and hybrids, design and manufacture, correct assembly techniques 2−1028
PCB assembly and testing using automatic insertion and ATE 2−24803
PCB assembly line maintenance, selection and training of technical staff 2−14498
PCB automatic 2−5421
PCB automatic assembly, component insertion, post processor software generated programs 2−14499
PCB hand assembly, economies, appl. of lessons learned in auto-insertion 2−5423
PCB hand assembly, new concepts 2−24802
PCB manufacture, connectors aligning and terminating 2−1042
PCB/thermal compression cooled module interface using spring array carrier, reverse pin guidance system 2−1045
PCBs, automatic component insertion, design and specification 2−14400
PCBs, semi-automatic assembly 2−19978
PCs, automatic insertion using belted components *(German)* 2−14406
photoelectric recognition system for moving components *(Russian)* 2−15410
plant construction and assembly, detailed planning of operation *(German)* 2−23946
power semiconductors, cooling and assembly in plate cases *(German)* 2−1325
printed circuits, conference, New York, NY, USA (Jun. 1981) 2−18862
printed-wiring assemblies, ionic contamination source detect. and isolation 2−14415
production environment, electrostatic discharge problems, isolation, facility evaluation 2−13277
PWB automatic component insertion, overview 2−14500
quick disconnect/locking/locating stud 2−88
tape segment welded contacts, high speed assembly using flexible modularly constructed welding machine 2−5398
thick film circuits for telecommunications equipment 2−1054
Cu and Al wires in wire-wrap and slit-clamp connectors on printed board, contact charact. *(German)* 2−14364

assembly lines *see assembling*

assembly methods *see assembling*

assembly programs *see program assemblers*

associative storage *see content-addressable storage*

asteroid satellites *see planetary satellites*

astigmatism *see aberrations*

astrometry
Fourier transform reconstruction sampling schemes 2−4715
optical measurements, relativistic effects 2−6880
radio-inteferometric meas. relativistic effects 2−6880

astronautics *see space research*

astronomical instruments
see also astronomical techniques; astronomical telescopes; radiotelescopes
channel electron multipliers arrays for solar X-ray spectrometer/spectroheliograph, props. 2−17316
electrographic camera, superconducting magnet homogeneity, stabilisation *(Chinese)* 2−9946
Hakucho cosmic X-ray satellite, instrumentation and performance 2−3445
imaging detectors for middle and far UV, review 2−11480
IR Si:B charge-injection-device array performance, space-based astronomical obs. appl. 2−3146
multichannel television spectrophotometer for faint object spectra 2−16871
photoelectric array detectors for use at XUV wavelengths 2−16989
radar system, microprocessor-based, appl. to radio meteor radiant distribs. imaging 2−26566
radiation receivers, nonlinear, quantum efficiency of detection 2−7110
refractometer, two-colour, appl. to anomalous astron. refr. meas. 2−7438
solar radiometer, field limiter 2−7107
Very Large Area Spectroscopic Proportional Counter for space X-ray astronomy 2−3447
Voyager cameras, radiometric peformance 2−16632

astronomical spectra
see also atmospheric spectra
faint objects spectra recorded with multichannel television spectrophotometer 2−16871

astronomical spectroscopy *see astronomical spectra; spectroscopy*

astronomical techniques
see also astrometry; radioastronomical techniques
astrometry, relativistic effects in radar, optical and radio-interferometric meas. 2−6880
autoradiographic intensification of electronographic imagery 2−16861
observations in EHF, correction method for atm. attenuation 2−10485
refraction measurement, appl. of two colour refractometer 2−7438
triple probe method for plasma parameter display in spacecraft condition 2−17563

astronomical telescopes
see also radiotelescopes
gamma-ray telescope, passively anti-collimated, design, calibration and sensitivity 2−11785
Multiple Mirror Telescope (book) 2−11130
Space Telescope (book) 2−11130
X-ray telescopes (book) 2−11130

astronomy computing
see also computerised instrumentation
radio meteor radiant distributions imaging, method using microprocessor-based radar system 2−26566
radioheliograph at Nancay *(French)* 2−6879

asynchronous electric machines *see asynchronous machines*

asynchronous generators
analysis of the operation of an electrical system during simultaneous operation of synchronous and asynchronous generators 2−12165
application of induction generators to micro-hydel units 2−27790
capacitive excitation, charact. and performance for use in mobile generating sets *(German)* 2−7842
computation of the magnetic field in the active zone of the axial induction machine with constant magnets in the grooves of the inductor *(Russian)* 2−7838
induction generators for small hydro plants 2−27921
self-excitation of an induction generator *(Russian)* 2−4123
self-excited, transients in sudden three phase short circuits 2−27911
short circuited rotor, rectifier-fed, in independent power supply systems, anal. 2−4142
single phase, mains connected, performance anal. 2−4202
steady-state modelling and analysis of a wind-turbine driven self-excited induction generator 2−7864
wind driven generating plant, choice of generator, tests and charact. meas. methods *(Italian)* 2−18112
wind energy recovery by a static Scherbius induction generator 2−12566

asynchronous machines
see also asynchronous generators; induction motors; slip (asynchronous machines)
aerodynamical noise suppression method 2−4210
commutation control during speed reversal of a current-fed asynchronous machine 2−23293
comparison with d.c. and synchronous machines, with and without static converters *(Dutch)* 2−23276
computer-aided optimisation system *(Bulgarian)* 2−27913
current fed asynchronous machines, hybrid simulation 2−4129
diagnostics, math. model estimate appl. *(Polish)* 2−18236
electro-mechanical transient calcs., using models *(German)* 2−18243
EM noise abatement 2−4109
experimental study of harmonic inductances of saturated induction machines *(Russian)* 2−27918
frequency convertor-fed, steady state and transient behaviour anal., math. model *(Russian)* 2−4143
idealised induction machine, mathematical model *(Croatian)* 2−12640
kinetic energy accumulator electric machines starting charact. determ. 2−27943
parallel operation with distribution network of water power station *(German)* 2−23161
rapid transit systems, propulsion system with power electronics, AC- and DC-drives 2−18708
reduced-order models *(Italian)* 2−23289
with rotor tall bars, transient parameter determination *(Rumanian)* 2−27905
static convertor-fed, current regulation, soln. 2−4121
temperature rise in a synthetically loaded induction machine 2−4213
traction drives, torque controller using voltage source invertor and induction machine 2−18663
transfer field machine, equivalent cct. for asynchronous mode of operation 2−4120
transient electro-mechanical phenomena *(German)* 2−27928
voltage source invertor-fed machines, influence of volts/hertz control on filter impedance effects 2−18255

asynchronous motors *see induction motors*

asynchronous sequential logic
see also sequential circuits; sequential switching; switching theory
pulse mode sequential circuits, classification by circuit form, and stability, race and hazard observations 2−14048

atmospheric acoustics
echo sounding of lower atmosphere preliminary studies 2−12071
F_2-layer infrasonic oscills. assoc. with thunderstorms, detect. by HF radar obs. 2−10482
radaracoustic sounding, estimation of Doppler freq. pulsation energy spectra *(Russian)* 2−27276
smog forecasting, accurate Doppler radar meas. of atmospheric speed of sound *(Russian)* 2−27275

atmospheric disturbances *see atmospheric movements; thunderstorms*

atmospheric duct *see atmospheric electromagnetic wave propagation*

atmospheric dynamics *see atmospheric movements*

atmospheric electricity
see also atmospheric electromagnetic wave propagation; atmospheric ionisation; atmospherics; electrojets; lightning; thunderstorms
Arctic region, radar echoes altitude range and signal intensities 2−15698
boundary layer, E-polarisation conditions above laterally non-uniform conductors 2−7415
E-region, polar, elevated electron temps. and elec. field determ. 2−10481
electrojet, equatorial, magnetic storm time elec. field changes, VHF backscatter from plasma irregularit-ies 2−6327
ionosphere, auroral, effect of elec. fields on radar waves incoherent scatt. 2−7431
lightning, elec. field meas. rel. to two-dimensional interferometric positions of VHF sources 2−12062
radioauroral pulsations generated by elec. field pulsations 2−6328
upper atmosphere, elec. currents rel. to reduction of satellite magnetometer data for geological studies 2−17552
vertical potential difference determ. from balloons, apparatus 2−12070

atmospheric electromagnetic wave propagation
see also atmospheric light propagation; ionospheric electromagnetic wave propagation; magnetospheric electromagnetic wave propagation; tropospheric electromagnetic wave propagation
Arctic region, radar echoes altitude range and signal intensities 2−15698
atmospherics, dispersive propagation in land and sea-ionosphere waveguide 2−15709

atmospheric electromagnetic wave propagation continued
attenuation in air below 1000 GHz 2−21101
clear air radio propagation, review 2−10487
Earth surface curvature influence on EM wave propagation 2−15687
EHF, satellite communication systems appl. *(French)* 2−15690
EHF Zenith atmospheric attenuation, correction of astronomical obs. 2−10485
ELF atmospherics, distrib. function for ELF noise 2−21118
IR and MM waves, conf., Miami Beach, FL, USA (Dec. 1981) 2−23889
large-scale perturbations propag. in atmosphere with anisotropic conductivity 2−21103
line-of-sight propag., fading due to effect of meteorological mechanisms 2−6335
microwave satellite communications in L-band, Antarctic regions, propagation effects, mag. field and atmos. data var. 2−26482
MM wave O_2 absorption spectra calc. on small microcomputer 2−25963
MM-wave terrestrial/satellite communications, atmospheric attenuation, signal loss,- optimum carrier freqs. 2−6333
OTS, RF performance tests made by ESA, results and conclusions 2−10506
OTS, tests and experiments, conf. London, England, 1981, April 2−8151
OTS depolarisation meas. at 11 and 14 GHz 2−10503
OTS propagation results, impact on ECS system 2−10504
OTS RF classical transmission tests, results and conclusions 2−10505
OTS used to obtain attenuation statistics 2−10502
parametric interaction of waves in a randomly nonhomogeneous dissipative medium/ 2−2146
radar, Doppler meas. of clear air turbulence at 1290 MHz 2−7432
radioastronomy, atmospheric interference elimination from images of extended objects in multiwave reception 2−2856
radiowaves, theory for the amateur radio operator 2−21087
rain zone effect meas. by dual polarisation radar *(Spanish)* 2−11023
range-height-angle charts with lookdown capability 2−25927
RF interference models applicability evaluation 2−6346
satellite communication during solar eclipse, Feb. 1980, Bombay 2−6330
sub-mm transmission, effect on astronomical obs. 2−21888
TV image, propagation, weather effects *(Japanese)* 2−11185
VHF radar, specular echoes, Fresnel scattering model 2−26520
VHF radar used to determine troposphere/stratosphere/mesosphere wind and turbulence 2−3598
VLF interference, fluctuation and pulse components intensities relationship calc. 2−2166
water vapour absorpt. in EHF window 2−26952

atmospheric energetics *see atmospheric movements*

atmospheric humidity
see also hygrometers
clouds, by water content rel. to microwaves absorpt. coeffs. 2−3601
effects on corona inception, in diverging electric field 2−9343
equatorial atmosphere, radio refractivity meas. over south Arabian Sea rel. to airmass moisture charact. 2−3602
remote meas. using tunable IR lidar 2−7429
vapour absorption of EHF waves, effect on astronomical obs. 2−10485
water vapour patterns, automatic tracking from METEOSAT obs. 2−7435

atmospheric ionisation
Arctic region, radar echoes altitude range and signal intensities 2−15698
electronic air freshener, using ignition coil, light dimmer switch 2−869
F-region, cause of electron content enhancement at night 2−15692
ionosphere, positive ion temp. by K-9M-67 sounding rocket *(Japanese)* 2−7430
lower atmosphere electron density var. due to nucl. explosion X-rays 2−24037
small ion concentration in troposphere and stratosphere, balloon-borne meas. 2−12073
sporadic E-layer over Central Europe, occurrence diurnal and seasonal var. 2−21091

atmospheric light propagation
adaptive optics, state-of-the-art report, atm. turbulence and thermal blooming correction 2−15550
aerosols, multiwavelength extinction meas. rel. to particle size evaluations 2−27269
angular, fluctuation of optical beam meas., using dissector follower system 2−3596
coherent lidar return charact. from calibration targets and aerosols 2−11117
fluorescent particle lidar, signal and noise levels 2−26539
IR and visible radiation propag. in rain and snow 2−25967
IR imaging device performance, atm. and aerosol emissions effect 2−16846
IR laser beam, model of transmission through water droplet aerosol under thermal self-action 2−20962
laser beams, anal. of target signatures for laser altimeters 2−27260
laser CW beam propagation through moving stagnation zone, thermal blooming 2−6260
line-of-sight optical communication through low-visibility weather, multiple forward-scatter model 2−16491
Over-the-Horizon optical scatter propag., meas. in marine boundary layer 2−15544
refraction, anomalous, meas. using two-colour refractometer 2−7438
scattering by atmospheric aerosol, turbulence parameter determ. using laser method 2−21001
scintillation in Shanghai, effects on laser engineering *(Chinese)* 2−25823
self-channelling, atm. propag. of high-power laser pulses 2−2008
smoke plume, airborne lidar meas. of plume distrib., vertical transmission and particle size 2−27270
special topics in optical propagation, conference, Monterey, California, (1981 April 6 to 10) 2−16490
turbidity coefficient, rel. to predeterm. of irradiation on inclined surfaces for different European centres 2−7437
turbulent atmosphere, noise immunity for non-parametric reception 2−15716
wave beam propagation in randomly inhomogeneous med., statistical sampling method 2−25966

atmospheric measuring apparatus
see also air pollution detection and control; ionospheric measuring apparatus; meteorological instruments
advanced instrumentation for remote sensing 2−22721
aerial preamplifier on Prognoz type satellite, optimal thermal regime 2−10600
balloon gondola TV camera system for UV obs. of ionosphere Mg II 2−3597
dissector follower system for fluctuation of optical beam meas. 2−3596
echosonde system for sounding of lower atmosphere, preliminary studies 2−12071
gas detection, wedge absorption remote sensor 2−12076
GEOS suprathermal plasma analysers for magnetosphere 2−3608
Gerdien condenser, appl. to balloon-borne meas. of small-ion concentration 2−12073
laser disdrometer for near-field raindrop meas. 2−27268
laser rangefinders, eyesafe, using 1.73-μm Er:YLF lasers 2−3611
methane/total hydrocarbon automated analyzer for aircraft atmospheric meas. 2−12075
MM-wave airborne radiometer for 94/183 GHz high altitude atmospheric meas. 2−22725
mm-wave radiometer system, atmos. parameter meas. from Upper Atmospheric Research Satellite 2−22724
potential difference, vertical, determ. from balloons, apparatus 2−12070
refractometer, two-colour, appl. to anomalous astron. refr. meas. 2−7438
retarding potential analysers on ionospheric sounding rocket, positive ion temp. profile meas. *(Japanese)* 2−7430
rocket borne instrumentation for thermosphere O meas. from chem. release expt. 2−3609
thermometer, distant-reading, for home construction, cct. diagram and calibration 2−3610
thunderstorm electricity [measurement and techniques] monitoring instruments 2−3607
visible IR spin-scan radiometer atmospheric sounder, calibration 2−17558
wave-particle interaction experiments on Exos-B satellite, results *(Japanese)* 2−3593
SO_2 concentration meas. by lidar and computer 2−22744

atmospheric measuring instruments *see atmospheric measuring apparatus*

atmospheric motion *see atmospheric movements*

atmospheric movements
see also wind
air currents, radaracoustic sounding, estimation of Doppler freq. pulsation energy spectra *(Russian)* 2−27276
clouds, automatic tracking technique appl. to GOES and METEOSAT obs. 2−7435
equatorial atmosphere, monsoon air mass transport from radio refractivity meas. 2−3602
general circulation, eigenvector filtering of three-dimensional pressure field data 2−7433

atmospheric noise *see atmospherics*

atmospheric optics
see also airglow; atmospheric light propagation; sunlight
lidar, atmospheric diagnostics by lidar 2−3612

atmospheric pollution *see air pollution*

atmospheric precipitation
see also rain; snow
cross polarisation on microwave links, review 2−10493
hydrometeors, scattering of microwaves and MM waves 2−10490
radiowave depolarization by atmospheric hydrometeors, review 2−10494
water and ice, normalised equivalent radar refl. 2−2144

atmospheric propagation *see atmospheric electromagnetic wave propagation*

atmospheric spectra
see also atmospheric optics
air luminescence yield under influence of ^{239}Pu α-particles 2−25588
EHF spectral emission effect on obs. of astronomical bodies 2−10485
ionosphere radio wave propag., model of partially scattered field with completely displaced spectrum 2−2128
H_2O sub-mm transmission, spectrum 2−21888
Mg II density in ionosphere from UV resonance lines obs. from balloon 2−3597

atmospheric techniques
see also air pollution detection and control; geophysical equipment; ionospheric measuring apparatus; ionospheric techniques; meteorological instruments
advanced instrumentation for remote sensing 2−22721
aerosol, particle size evaluations using multiwavelength extinction meas. 2−27269
atmospheric scattering by atmospheric aerosol, turbulence parameter determ. using laser method 2−21001
clear air turbulence measurement, appl. of Doppler-radar obs. at 1290 MHz 2−7432
clear air turbulence warning system for aircraft, IR radiometry system 2−17486
cloud height meas. using eyesafe laser rangefinder 2−3611
cloud particle effects on reentry environmental conditions forecasting 2−22659
clouds automatic tracking technique, appl. to GOES and METEOSAT obs. 2−7435
Earth-atmosphere IR background radiation, meas. from balloon-borne staring sensor 2−27267
echo sounding of lower atmosphere preliminary studies 2−12071
electrojet plasma instabilities spectrum anal. using HF refl. from F-region and ground 2−2141
environmental probing using mobile lidar system 2−21871
interferometry, two-dimensional, appl. to determ. of VHF lightning sources positions 2−12062
IR heterodyne remote sounding of stratosphere, inversion technique 2−12069
laser application to atm. gas remote meas., Raman reson. diffusion method *(French)* 2−22750
LF waves at oblique incidence, ionosphere refl. height determ., use of AM transmitters 2−21090
lidar, airborne, appl. to meas. of smoke plume distrib., vertical transmission and particle size 2−27270
lightning impulse voltages recording by wave memories *(German)* 2−22216
magnetic pulsations motion picture presentation, appl. to pulsation charcts. determ. 2−22720
magnetosphere-particle beam experiments, SEPAC (space shuttle project) 2−12079
microwave radiometry of ocean surface and atmosphere, inverse problems formulation and solution 2−27284
microwaves absorption by cloud and rain, computation method 2−3601
pressure field, eigenvector filtering of three-dimensional data 2−7433

atmospheric techniques continued
radar (5 cm) detection of storms, attenuation problems 2−15686
radio refractivity sounding, Monex-1979 meas. over equator and south Arabian Sea 2−3602
raindrop meas. in near-field using laser disdrometer 2−27268
refraction measurement, appl. of two colour refractometer 2−7438
remote probing using CO_2 DIAL system 2−3633
remote sounding of atmosphere and ocean, for climate research 2−3585
rocket technique for meas. of thermosphere O from chem. release expt. 2−3609
satellite orbits analysis, upper atmosphere and gravitational field research review 2−22586
sunlight, predeterm. of irradiation on inclined surfaces for different European centres 2−7437
temperature and humidity meas. using remote tunable IR lidar 2−7429
temperature measurement, appl. of distant-reading thermometer 2−3610
thunderstorms analysis, relation of satellite-based intensity to radar-estimated rainfall 2−7434
turbulence dissipation rates in thin layers, radar meas. 2−27273
VHF radar used to determine troposphere/stratosphere/mesosphere wind and turbulence 2−3598
weather forecasting, charact. of radar echoes from pre-monsoon squalls over Dum Dum, India 2−3603
wind and deformation meas., on high radio tower 2−6348
wind velocity in troposphere and stratosphere, remote lidar meas. 2−3591
CO_2 global atmospheric meas., using computer-based meas. systems 2−12080

atmospheric temperature
global measurement, advanced instrumentation for remote sensing 2−22721
inversions in lower atmosphere obs. using echo sounding 2−12071
ionosphere, auroral, effect of non-Maxwellian vel. distribs. on radar waves incoherent scatt. 2−7431
ionosphere, positive ion temp. by K-9M-67 sounding rocket *(Japanese)* 2−7430
lapse rates, radaracoustic sounding, estimation of Doppler freq. pulsation energy spectra *(Russian)* 2−27276
radiosonde meas., Swiss, Vaisala and VIZ, intercomparison (in ASOND-78) 2−3606
rain, attenuation coeffs., absorpt. coeffs. and radar refl. factor, depend. on freq. and temp. 2−25959
remote meas. using tunable IR lidar 2−7429
remote sounding of atmosphere and ocean, for climate research 2−3585
smog forecasting, accurate Doppler radar meas. of atmospheric speed of sound *(Russian)* 2−27275

atmospheric wind *see wind*

atmospherics
see also atmospheric electromagnetic wave propagation; whistlers
atmospherics, dispersive propagation in land and sea-ionosphere waveguide 2−15709
CPSK signals fading, in Gaussian and impulsive atmospheric noise environment 2−6429
ELF radio noise, 1-D distrib. function of vertical elec. component 2−21118
VHF lightning sources, two-dimensional interferometric positions 2−12062
VLF ionosphere propagation, nighttime group delaytime difference depend. on azimuth, atmospherics anal. 2−21096

atomic absorption spectroscopy
pulverized coal ash, chimney solids and trace elements from 500 MW boiler stack, trace element concentration determ. appl. 2−23098
semiconductors, trace impurity analysis techniques for LSI materials *(Japanese)* 2−14605
Cu_x-CdS polycrystalline heat-treated solar cells, atomic absorption anal. and auger depth profiles 2−23547

atomic beams
see also particle velocity analysis; plasma-beam interactions
alkali atom optical pumping process and polarised alkali ion sources 2−3348
He, metastable beam, intensity control 2−27013
^{23}Na, nuclear spin polarised beam prod. using optical pumping 2−17230

atomic clocks
see also frequency measurement; time measurement
international time scale comparisons, temperature-correlated Loran C signal propagation delays influence 2−22034
OMA 50-kH standard time, frequency transmission system, controlled by caesium clock 2−26970
precision improvement, cooling atomic ions with lasers 2−11317
synchronisation expt. via SYMPHONIE satellite 2−17140
synchronisation technique, for tracking and controlling deep space probes 2−12049
Cs portable standard, PLL controlled Gunn diode oscillator appl. 2−17142
H maser, CSIRO development 2−20766
H maser, optical AGC for optical fibre clock signal transmission 2−6833

atomic emission spectroscopy
discharge lamps, electrodeless, RF excited, as atomic fluorescent spectroscopy sources 2−8077
paleolimnological uses 2−3615
Nb-Pb thin film Josephson jucntions, AES, XPS investigation 2−9914

atomic energy *see nuclear power*

atomic excited states
see also atomic metastable states
Rydberg atoms, MM and sub-MM waves interaction 2−22284

atomic explosions *see nuclear explosions*

atomic fluorescence spectroscopy *see atomic emission spectroscopy*

atomic metastable states
He, metastable beam, intensity control 2−27013

atomic power *see nuclear power*

atomic reactors *see fission reactors*

atomic scattering factors *see crystallography*

atomic spectra
see also atomic spectral line breadth; beam-foil spectra; conversion electron spectra; Stark effect; Zeeman effect
Rydberg atoms, MM and sub-MM waves interaction 2−22284
Na, D_1 and D_2 lines, absolute wavelengths of hyperfine compounds determ. by using CW tunable dye laser 2−20995

atomic spectral line breadth
discharge lamps, electrodeless, RF excited, as atomic fluorescent spectroscopy sources 2−8077
He-Ne laser line profile and width meas. at 6328 Å using optogalvanic spectroscopy *(Chinese)* 2−15443
I laser transition at high press., saturation energy density and line profile 2−1842
Na, D_1 and D_2 lines, absolute wavelengths of hyperfine compounds determ. by using CW tunable dye laser 2−20995

attaching *see joining processes*

attenuation *see dispersion (wave); scattering; transmission*

attenuation equalisers
see also attenuators
digital with linear phase, design with aid freq. sampling *(Czech)* 2−14225
microwave digital radio system, automatic transversal equaliser 2−21743
tape recorders, bandwidth equalization techniques *(German)* 2−26682

attenuation measurement
characteristics and measurements of the properties of optical fibres used in telecommunications *(French)* 2−26494
communications optical fibre measurement techniques and international standards *(French)* 2−6834
fibre attenuation measurements, technique for minimising effect of detector inhomogeneity 2−25491
insertion loss and transmission line attenuation 2−26933
microstrip attenuation and open-circuit termination loss, simultaneous meas. 2−26946
multimode attenuation measurements, accuracy affected by source near- and far-field variations 2−25490
optical fibre waveguide, ring-type, three-layer, attenuation and pulse broadening 2−1720
rain attenuation statistics of 12 GHz rel. to Japanese satellite broadcasting service *(Japanese)* 2−15702
standard, automated precision piston attenuator for RF and microwave instruments calibration 2−11369

attenuators
see also waveguide attenuators
microprocessor-controlled, for audio signals *(Italian)* 2−9137
p-i-n diode, microwave circuits in TO-8 housing, based on thin-films technology *(German)* 2−14302
p-i-n diode π-network, digital control 2−14216
Space Shuttle, Magnetic suspension isolation [Space Shuttle] 2−17492

attitude control
AMSAT P-3-satellites, using on-board computer and Earth magnetic field 2−22650
atmospheric flight, optimal trajectories (book) 2−8140
Bhaskara remote sensing satellite, orbit and attitude determ. 2−27234
digital attitude-control design for space applications 2−22638
flexibile spacecraft, altitude estimation and control using inertial and optical measurements 2−7361
flight dynamics, conf., Darmstadt, Germany (May 1981) 2−18863
IRAS gyroscopes in-orbit checkout 2−22651
IRAS satellite Operations Control Centre, attitude control subsystem performance verification 2−22710
Jupiter orbiter, systems impact of concentrated solar array 2−17522
laser communications, tracking and fine pointing control 2−16455
Magsat spacecraft attitude computing 2−22591
mission analysis by global geometry techniques 2−27236
NASA/GSFC ground-based attitude support activities 2−27258
near-Earth spacecraft, attitude determ., in-flight magnetometer calibration 2−17485
rocket Z *(Japanese)* 2−3573
satellite, IR radiance model validation by sensor flight measurements 2−22652
satellite anomalous attitude motion computing 2−22600
satellite attitude optimisation, apogee kick motor firing maneuver 2−22601
satellite stability, n-body spin, with elastic appendages *(Chinese)* 2−22579
satellites launched by NASDA, mission analysis for maneuver 2−22595
Sirio-2 satellite program, MDD and Lasso missions 2−7366
solar pressure attitude stabilization of Earth-pointing spacecraft 2−22583
space vehicles, pointing system modeling for performance prediction 2−17470
space vehicles, scan actuator subassembly for Galileo project 2−17493
spacecraft attitude and sensor parameters estimation, using adaptive filtering 2−22592
spacecraft attitude determ. and control. book 2−13196
spacecraft attitude estimator, ESA starmapper meas. results computing 2−27238
STARPROBE space project, altitude and translation control, preliminary design 2−17457
superlight rotating reflectors in space, orientation and position control 2−7363

audio acoustics
see also audio recording; audio systems; hearing; speech
acoustic space parameter simulation *(German)* 2−22001
loudspeakers, three-dimensional energy plots in the frequency domain 2−26664
scale acoustic models, speech imitation source 2−17593
stereophonic music replay, using real time echo unit *(German)* 2−16741
stereophonic reproduction, auditory sensation *(Japanese)* 2−3002

audio amplifiers *see audio-frequency amplifiers*

audio discs *see video and audio discs*

audio equipment
see also audio-frequency amplifiers; audio-frequency oscillators; gramophones; loudspeakers; microphones; pick-ups; video and audio discs
7 channel lightshow, circuit description 2−11269
8-channel digital audio mixer 2−26665
adapting delay comb filter for the restoration of audio signals badly corrupted with a periodic signal of slowly changing frequency 2−24586
audio analyser, using LED display 2−7064
audio analyser noise source using pseudo-random electrical signal, microphone preamplifier 2−6963
Automatrix computerised console for radio broadcasting 2−26576
automobile seat belt audio reminder 2−4439
automotive audio systems, automatic loudness adjusting circuits 2−2988
Bang & Olufsen hi fi equipment, using microcomputer control *(Danish)* 2−21999
bidirectional audio link, circuit modifications 2−11268
car stereo equipment, 150 W DC to DC convertor 2−5085

audio equipment continued
CS 741Q record player with an ultra low mass pick-up arm/ *(German)* 2−2985
DA series, high-performance audio equipment, Mitsubishi Electric product 2−22011
dbx noise reduction system, for Hi-Fi equipment 2−11267
DC sensing loudspeaker protection cct., LS 1000, 700 W/channel HiFi system appl. 2−26659
digital, recent developments 2−3016
digital echo, reverberation and chorus equipment *(German)* 2−16708
DJ90 stereo disco mixer, constructional details 2−6956
Dolby C system, double noise reduction *(German)* 2−16705
doorchime, using SABO600IC harmonic tone generator 2−21996
duplex film unit for correction of rerecording audio-control console *(Russian)* 2−11307
dynamic noise limiter, for use with cassette recorder 2−11270
effects boxes, guidelines for proper usage 2−16690
electroacoustic systems, freq. charact. meas. using pulse method *(Czech)* 2−17595
electronic music box, conversion to pushbutton operation 2−2975
electronic sound generator cct. using Schmitt trigger ICs for simulation of chirping of canaries 2−6953
Fisher NR 500 Super-D audio recorder, noise attenuation *(German)* 2−16740
frequency and phase comparator, circuit details, stereo programme indicator appl. 2−26666
frequency response charact. of AF signals in eight octave bands over dynamic range of 30 dB, Audio Analyser measurement/display 2−2992
future developments in consumer electronics 2−16697
Grundig Super-Color TV set, audio-frequency circuitry for stereo sound *(German)* 2−16594
hand clap synthesiser, used for disco music 2−2980
headphone sound perspective correction network using LM377 IC 2−6962
headphones, Sony lightweight series, high quality audio reproduction 2−6978
hi-Fi analogue reverberation system 2−22026
keyboard variable tone generator, using shift register, logic ICs 2−2991
laser displays, audio-controlled 2−15579
LED audio peak meter using op-amps and comparator 2−2982
LED VU meter, construction details 2−16998
level meter, compressor circuit incorporation gives clear indication at low levels, disco music appl. 2−3186
LF phase tester, using ICL 8038 sine wave generator *(German)* 2−26932
low frequency filter constr. details, Hi-Fi appl. 2−26668
LSIs, Mitsubishi Electric M50110P series, appls. 2−9700
Mitsubishi MC-8000 music centre, vertical arrangement of units *(German)* 2−26683
Mitsubishi X-10 Interplay System, vertical music centre 2−11296
mixes to calibrate intermodulation distortion levels 2−2974
mixing desk constructed on one PCB 2−2976
monolithic switched capacitor filters, audio engineering appls. 2−19774
MOS volume and tone control IC, for Hi-Fi audio 2−22008
musical horn using digital ICs and PROMs 2−11282
noise gate, for use with music mixing unit *(German)* 2−16709
noise reduction systems review, Telefunken High-Com system 2−2978
non-complementary audio noise reduction IC 2−22010
PE Band-Box electronic music generator, microcontroller peripheral system 2−26667
Pfleidrecording, spatially unaffected orchestra recording system *(German)* 2−22025
power amps. comparison, up to 350 W rating, stereo music appl. *(German)* 2−16724
power hybrid ICs, appl. of electroless nickel resistors formed on IMST substrate 2−24735
programmable audio pulse generator, using 4017, 7400, NE555 ICs 2−773
psychoacoustics and sound quality evaluation *(Japanese)* 2−11281
selector for LF amplifier, active, using FET transistors *(Spanish)* 2−2996
signal processing, digital filters, props. and advantages 2−16891
sound signal processing equipment for frequency domain, computer-controlled *(Russian)* 2−22080
sound studio using Norwegian electro-acoustic equipment *(Norwegian)* 2−22000
sound-effect unit, incorporating ring modulator based on multiplying circui t 2−11271
spectrum analyser using programmable array logic 2−16895
spectrum analyzer implemented using programmable array logic 2−11404
spectrum multi-band graphic equaliser 2−26670
speech amplifier gain monitoring cct., using quad comparator IC 2−26660
stereo control unit Rema Cornet 840 Hi-Fi *(German)* 2−16722
stereo four input mixer, using op amps 2−22003
stereo-duo-tone adapter for standard TV set *(German)* 2−11205
stereocoder for service purposes *(German)* 2−16707
stereocoder for servicing use *(German)* 2−11279
stereophonic music replay, using real time echo unit *(German)* 2−16741
Studer series 900 production consoles for audio signals, broadcasting studios appl. 2−26575
synthesized speech quality measurement methods for audio response unit *(Japanese)* 2−15856
tone burst generator, using CMOS quad NAND Schmitt trigger 2−16700
top-quality cassette recorders, comparison *(German)* 2−16747
TV sound tuner, providing high quality audio output 2−21938
vocal canceller circuit for suppression of voice during stereo reproduction 2−6972
voice-over unit, automatic speech controlled music fading device, using ICs 2−16698
wattmeter average/peak power, using ICs, LEDs *(Spanish)* 2−26887

audio-frequency amplifiers
amplifier for pitch fluctuations *(German)* 2−16737
audio analyser noise source using pseudo-random electrical signal, microphone preamplifier 2−6963
Benchmate, utility AF amplifier and variable regulated power supply for test bench appls. 2−7153
Class A amplifier, using op. amps., bipolar transistors, short cct. protection *(Spanish)* 2−24423
Class A amplifier design, comparison with classes AB, B 2−19557
clipping indicator, LED display 2−6977

audio-frequency amplifiers continued
conversation aid, low-cost amplifier for use with high-impedance crystal microphone and stereo phones 2−741
correction amplifiers and interactive correction systems, for sound studios *(Dutch)* 2−26658
design, advanced techniques *(Spanish)* 2−22014
electronic music synthesizer, exponentiator-multiplexer use *(Dutch)* 2−2969
error-correcting Hi-Fi amplifier, hybrid negative feedback, feedforward techniques 2−16721
ETI System A power amplifier, operating in Class A 2−734
guitar headphone amplifier, using LM386 IC 2−21993
Hi-Fi, Mitsubishi DA-P30 100dB moving coil *(German)* 2−8994
Hi-Fi preamplifier, Grundig SXV 6000 *(German)* 2−11280
HiFi stereo power amplifier/ *(German)* 2−2986
high-power AF amplifier, 125 W, use of input differential cct. with RC feedback to improve linearity/distortion *(Spanish)* 2−11303
HMOS AF power amplifier, assembly and wiring 2−22017
line fed loudspeaker amplifier, included in integrated telephone speech circuit 2−16250
linear power amplifier design to give high stability 2−750
LM 389, appl. for ceramic head input, accurate freq. response, negative feedback *(Spanish)* 2−11301
loudspeaker mechanical parameters synthesis by electrical means 2−3008
microphone preamplifiers, description and functioning *(Spanish)* 2−9007
monolithic AF amplifiers, computer-aided evaluation of transient intermodulation distortion 2−751
monolithic audio power amplifier with volume and tone control 2−13995
non-linear distortion measurements, rel. to audible effects 2−3018
nonharmonic distortions in audio amplifiers, meas. in accordance with DIN, SMPTE, and CCIF standards *(Croatian)* 2−24408
nonlinear distortion in audio instruments 2−3009
operational amplifier, voltage noise optimisation in audio and low freq. bands 2−19564
operational amplifiers handbook 2−13144
operational amps., noise charact. *(German)* 2−9004
Philips test module for testing amplifier-line-loudspeaker system *(German)* 2−16706
power, for open-air use with discos and electric guitars, 200 watts into 4 ohm load 2−729
power amplifier wiring details 2−3000
power amps. comparison, up to 350 W rating, stereo music appl. *(German)* 2−16724
response improvement, feedback integrator removes DC offset 2−19555
sound amplifying systems, acoustic feedback instability *(Russian)* 2−22009
speech amplifier gain monitoring cct., using quad comparator IC 2−26660
stereo amplifier, using TBA 810S IC 2−745
stereo preamplifier/30 watt RMS power amplifier 2−746
stereo-decoder ICs TCA 4510, 4511 *(German)* 2−16701
System A audio amplifier, testing and setting-up procedures 2−6973
universal AF amplifier, micro-sized, 12 V 5 W, using TDA 2002 IC 2−744
VMOS transistors, used in I.F amplifier design 2−24412

audio-frequency oscillators
AF with linear ramped freq. control and repeat facility, 40 Hz to 2 KHz 2−5139
LF crystal oscillator, using integrated gyrator, temp. compensated 2−25403
low distortion sinewave output, 0.003% THD, 15 Hz to 150 kHz, VMOS output stage for square wave generation 2−7112
PLL for constant amplitude synchronised sinusoidal signal generation 2−779
relaxation oscillator for multiple-sine-wave audio signals 2−757

audio oscillators *see audio-frequency oscillators*

audio recording
see also video and audio discs
16-bit digital signal-processing system for audio signals *(German)* 2−26691
analog reverberation unit constr. 2−22027
BBC recording of the Royal Wedding at St. Paul's 2−2882
Beta and VHS VTR format audio soundtrack recording techniques 2−26673
cinema films, stereophonic sound effects *(Japanese)* 2−3006
cinematography soundtrack, comtrak− combination photographic soundtrack 2−11304
commercial sound effects production, stereo effects *(Japanese)* 2−2873
copying console for high speed copying from cassette recorders, press reports appl. *(German)* 2−6979
Creative space audio recording facilities built around Teac Portastudio 2−6967
CS 741Q record player with an ultra low mass pick-up arm/ *(German)* 2−2985
CS-W7 compact-micro dual radio-cassette recorder 2−26687
CX noise reduction system for audio recording 2−26690
depth perception in audio recording, use of acoustic principles 2−16731
detector receiver to Hi-Fi stereo unit, review *(German)* 2−16728
digital, 14-bit bipolar D/A convertor appl., using switched current divider *(German)* 2−11274
digital, audio formats for recording 2−3016
digital 4-channel PCM recording opera perf. *(Italian)* 2−6966
digital audio disc systems, using laser pickup sensors *(German)* 2−26684
digital audio recording techniques 2−26672
digital audio tape recorders *(Japanese)* 2−11294
digital equipment, trends *(Japanese)* 2−3007
digital methods for video and audio recording 2−11297
digital recording of acoustic signals, quantisation, encoding *(Czech)* 2−3015
digital sound recording, studio techniques in Great Britain 2−26675
Dolby Corp., current activities in Great Britain 2−26677
Dolby HX system, recording level improvement *(German)* 2−11292
Dolby-C noise reduction system, sliding-band compandor, 20 dB reduction *(German)* 2−11291
electroacoustic systems, freq. charact. meas. using pulse method *(Czech)* 2−17595
electronic Pianocorder Reproducing System kit, Marantz pianos appl. 2−26689
EMT 423, amplifier for pitch fluctuations *(German)* 2−16737
film sound recording studio reconstruction, acoustic features 2−3013

audio recording continued
Fisher NR 500 Super-D audio recorder, noise attenuation *(German)* 2−16740
Grundig 2000 video recorder, redesigned for stereo sound *(German)* 2−26644
Grundig Video 2×4 Super video recorder, audio circuits *(German)* 2−11237
Hi-Fe noncomplementary noise reduction system, DNR, LM 1894 IC appl. 2−22028
magnetic AC bias recording, switching field distrib. 2−15172
magnetic film and tape recorder reproducer, for stereophonic/dual language broadcasts *(Japanese)* 2−2868
magnetic recording and hard copying techniques *(Japanese)* 2−9860
magnetic tape materials, modulation meter adaptation for volume level stereo balance *(German)* 2−11288
Matsushita PCM audio recorder, using digital VHS video recorder *(German)* 2−22023
multiband dynamic processing, selective gain control appl. 2−26671
multichannel, digital additions to audio cassette deck 2−16750
multiple microphone use, in TV musical programme recording *(Japanese)* 2−2869
multitrack music recording systems *(Hungarian)* 2−3012
music, stereo one point microphone technique *(Japanese)* 2−3004
music for commercials, planning methods for stereo media *(Japanese)* 2−2872
musical recordings, microphone techniques, single transducer or polymicrophony rel. to music quality and acoustical requirements *(Hungarian)* 2−3010
musical recordings, microphone techniques, single transducer or polymicrophony rel. to music quality and acoustical requirements *(Hungarian)* 2−3011
noise suppression in cassette tape recorders, servicing appl. *(German)* 2−11289
nonlinear amplitude distortion of speech, adaptive filter corrector 2−15868
optical stereophonic recorders *(Japanese)* 2−3003
outside broadcast, baseball game, stereophonic recording *(Japanese)* 2−2870
PCMVCR interface for digital audio 2−11298
Pfleidrecording, spatially unaffected orchestra recording system *(German)* 2−22025
Philips digital laser-scanned audio recording system, charact. *(German)* 2−22022
piano acoustics in studio, overview 2−6968
pre-studio demo-recording equipment 2−16729
ribbon Sendust magnetic tape heads 2−25437
separation of several speakers recorded by two microphones 2−6448
signal level indicator for audio recording, luminosity of LED proportional to sound level *(Spanish)* 2−11302
Sonex acoustic soundproofing material, use in Alpha Audio sound recording studio 2−26678
sound insulation for recording studio built in residential area 2−26681
sound motion picture film conversion in another projection freq. *(Russian)* 2−16749
sound recording quality in British Studios in the 1960s 2−26676
sound recording studio technology in Great Britain, general discussion 2−26674
sound studio using Norwegian electro-acoustic equipment *(Norwegian)* 2−22000
stereo drama, mixing techniques *(Japanese)* 2−3005
stereophonic, auditory sensation *(Japanese)* 2−3002
stereophonic, review *(Japanese)* 2−2864
stereophonic and dual language TV transmission *(Japanese)* 2−2867
stereophonic commercial production *(Japanese)* 2−2871
stereophonic disc recording distortion, using vertical modulation 2−26692
studio, architectural acoustics and measuring techniques *(Japanese)* 2−2875
studio control rooms, quidelines for obtaining good acoustic charact. 2−26679
studio digital tape recorder, audio equipment standardisation *(German)* 2−22018
surround-sound recording techniques, broadcasting system experiments, appl. 2−16557
timbre perception in sound reproduction, evaluation *(Japanese)* 2−11295
TV sound recording, problems *(German)* 2−11293
violin sound quality, problems in recordings for listening evaluation 2−22016
visibility of sound distortion by parasitic amplitude modulation *(Russian)* 2−16748
VTR, with multiple soundtracks *(Japanese)* 2−2949
waveform distortion in digital systems *(Dutch)* 2−16733
AlGaAs laser, used for digital audio recording system *(German)* 2−22024

audio systems
see also acoustic devices; acoustic equipment
2-sound channel TV, audio signal processing *(German)* 2−2920
artificial-head stereophony, sound quality *(German)* 2−2994
digital, 14-bit bipolar D/A convertor appl., using switched current divider *(German)* 2−11274
digital audio studio technology *(German)* 2−6957
dynamic processing of audio signals 2−15873
error suppression in digital audio systems *(German)* 2−6958
head-related stereophony, microphone coupling to external ear, in artificial head *(German)* 2−2993
Hi-Fi, microprocessor-based control system *(German)* 2−11276
High Com noise reduction system 2−16739
in-house audio-visual programmes, sound system design, low cost 2−2987
portable cassette players 2−6969
Sharp Optonica 105 HiFi system with remote control *(German)* 2−16704
sound studio using Norwegian electro-acoustic equipment *(Norwegian)* 2−22000
steamwhistle for model trains, using bipolar transistors, AF power amplifiers IC 2−9162
stereo TV receiver, 3-channel, 1981 development trends *(Finnish)* 2−16582
stereophonic music replay, using real time echo unit *(German)* 2−16741
surround-sound recording techniques, broadcasting system experiments, appl. 2−16557
surround-sound systems for international broadcasting standards 2−16556

auditory activity *see hearing*

auditory perception *see hearing*

Auger effect
MBE film growth, surface and kinetic effects, review 2−4985
semiconductor characterisation problems, chem. analysis techniques, capabilities and limitations 2−9538
semiconductors, laser radiation, submicron, from exciton transitions excited by external source 2−25752
surface analysis techniques used in diagnosing relay problems 2−1001
thermionic cathode activation in ultrahigh vacuum AES-residual gas analysis 2−1095
thermionic cathodes, oxide-type, poisoning and reactivation processes in polycrystalline mixed oxides 2−1093
thermionic dispenser cathodes, scanning Auger and work-function meas. 2−1090
thermionic oxide coated cathodes evaporation phenomena, obs. using AES-based vapour collect method 2−1091
tubing, alloy 600, corrosion damage cause determ. by destructive examination 2−3934
Al/Si (111) cleaved interface, photoemission, Auger electron yield, and AES study 2−1235
$Al_xGa_{1-x}As$, epitaxial layer, MBE growth, AES study 2−8822
AlN film prep. by ion implantation, AES and low-energy EELS studies 2−8825
Au/Ni/SnNi/n-GaAs interface, ohmic contact form. 2−25070
Au-Ge laser-annealed ohmic contacts on GaAs, microstruct. and resistivity 2−14698
BaO on Ir, orientation depend. of work function for thermionic cathodes 2−1088
BaO single cryst. films, poisoning and reactivation processes in oxide-type cathodes 2−1094
BaO:CaO:Al_2O_3 impregnated cathodes, Auger spectroscopy and emission microscopy 2−5503
CdF_2:Mn metal-semiconductor junction, luminesc. impact excitation, spatial profiling 2−25597
$Cd_xHg_{1-x}Te$, molecular beam epitaxy on CdTe 2−580
CdS-Cu_2S, solar cell, depth profiling 2−4347
CdTe, molecular beam epitaxy on CdTe (100) and (100) 2−579
CrN-Au die attach metallization system 2−14808
Cu_x-CdS polycrystalline heat-treated solar cells, atomic absorption anal. and auger depth profiles 2−23547
$CuInSe_2$, oxidation stability studies, AES 2−18589
$CuInSe_2$, thin films, ion-beam sputtered, characterisation 2−5599
$Ga_{1-x}Al_xAs/Ga_{1-y}Al_yAs$ DH lasers, facet degradations 2−25790
GaAs, laser oxidation, expt. study 2−9577
n-GaAs, passivation and interface state studies 2−9567
GaAs-oxide interface states: gigantic photoionization via Auger-like process 2−14718
GaInAs-AlInAs structures grown by molecular beam epitaxy 2−8808
Ge-Se:Ag films, photo and electrochem. doping, AES and XPS study 2−25145
p-$Hg_{1-x}Cd_xTe$, electron irrad. and annealed, carrier lifetime and recomb. props. 2−9439
InAlAs/InGaAs MBE layer structs., ion beam anal. 2−19413
Nb-Nb_xO_y-Pb Josephson tunnel junction, structural anal., for voltage standard 2−5943
Nb-NbO_x-Pb, tunnel junctions, Nb energy gap and critical currents, temp. depend., base electrode annealing effects 2−20569
Ni-Cr films, segregation, AES, electron diffr. and elec. cond. study 2−24337
Pb chalcogenide layers and their solid solutions, controllable epitaxial growth 2−563
$Pb_{1-x}Sn_xTe$ crystals, Sb-diffused, ion channelling and AES study 2−1293
Si (111), nitridation by N atoms, LEED, AES, desorption, and mass spectra meas. 2−9583
Si, amorphous films, compositional and structural characterisation techniques 2−25021
Si, laser-induced amorphous, adsorpt. of O, expt. study 2−25164
Si MIS solar cell, AES study of stability 2−7998
Si, photoelectric effects, lux depends. under surface and bulk Auger recomb. conditions 2−6092
Si wafer, reactive sputter etching characteristics of wafer with CF_4 and O_2 mixed gas 2−14778
Si:B^+, single crystal, TEM and AES study of ion bombardment 2−14635
Si-F-H amorphous film, Schottky-barrier and MIS solar cell appls. 2−23564
Si-SiO_2-Al structure, Al-SiO_2 and Si-SiO_2 interlayer charact., ellipsometry, C-V meas., and AES study 2−5638
Si_3N_4 formation by N ion implantation of Si, AES and EELs studies 2−20197
SnO_x:Sb film, platinized, prep., surface composition and electronic struct. 2−24314
SnO_x-GaAs MIS solar cell, interface, Auger study 2−7996
W dispenser cathode, impregnated, electron spectroscopic investig. 2−1089
Y-Si Schottky barrier diode, barrier height and Auger depth profile 2−14830
YSi_2-Si Schottky barrier diode, barrier height and Auger depth profile 2−14830
ZnSe (110) oxidation model based on anal. by 21 eV photoemission spectroscopy, contact-potential difference and AES 2−20202
ZnSe, heteroepitaxial growth from vapour on GaAs substrates, characterisation 2−13819
ZnTe (110) oxidation model based on anal. by 21 eV photoemission spectroscopy, contact-potential difference and AES 2−20202
Zr/W thermal field electron source, performance 2−1096

Auger electrons *see Auger effect*

Auger recombination *see Auger effect; electron-hole recombination*

Auger spectra *see Auger effect*

Auger spectroscopy *see Auger effect*

aural null direction finders *see radio direction-finding*

automata theory
see also finite automata; switching theory
averaging methods for the asymptotic analysis/ of learning and adaptive systems/, with small adjustment rate/ 2−2446
finite and abstract data, conf. at Aore, Israel, 1981 2−19243
implementation of grammatical automata in computer interpreters *(Russian)* 2−13535

automata theory continued
morphogenesis dynamic processes modelling, collective behaviour game between automata 2−214
sequential circuits, fault detection using state register 2−19614

automatic frequency control
Blaupunkt Berlin SQR 82-PCI cassette car radio receiver *(German)* 2−16589
crystal oscillator, Loran-C system appl. 2−3239
digital phase-lock AFC systems, input noise correl., anal. 2−9047
frequency synthesizer based on astatic analogue-digital PAFC system 2−11501
phase-lock, third-order, pull-in range 2−782
phase-locked loop with a microprocessor 2−784
pulse phase-lock AFC systems, input noise correl., anal. 2−9047
pulse-phase-locked, second-order system, aprox. method of investigating dynamics 2−783
TV picture signal transducers, raster parameters, AFC system *(Russian)* 2−2936
GaAlAs laser frequency stabilisation using automatic freq. control system 2−6226

automatic gain control
adaptive signal detection in fluctuating noise, general detection and estimation theory 2−26138
AM receiver, time delays, fast fading suppression 2−16345
automotive audio systems, automatic loudness adjusting circuits 2−2988
colour TV receivers, luminance peaker gain control 2−2899
feedforward automatic gain control in mobile radio receivers, performance limits 2−16391
first-order AGC systems with nonlinear control charact., speed of response, anal. and calc. 2−9012
general theory, loop gain, loop parameters rel. to output level stability, equiv. cct. 2−9006
high speed data modem using digital signal processor 2−2559
light beam detector which ignores ambient light changes 2−11485
limiter circuit based on rapid AGC cct. for wideband IFM radar receivers, S-band 2−26530
low-noise digital radio receiver with AGC of single-gate GaAs FET 2−2667
noise alone reference, adaptive detection of nonoverlapping signals in noise 2−2337
optical AGC for optical fibre clock signal transmission 2−6833
radio receiver, dynamical response to fading, characterisation 2−16349
sonar, feedback AGC systems, bandwidth invariant 2−26547
TN 2700 carrier telephony system, unattended repeater stations, automatic level control ccts. *(Polish)* 2−16314
VMOS RF power amplifiers, automatic gain control *(German)* 2−5119
GaAs FET appls. in microwave integrated systems 2−24719

automatic programming
in-circuit testing of complex analogue and digital components, efficient programming approach 2−9289
stored-program telephone switching office automatic programming system 2−6698

automatic telephone systems
see also telephone equipment
AKE/AXE SPC systems, operator system design rel. to human factor 2−16289
AXE 10, use for digital local exchanges 2−26338
AXE exchange, conversion from AGF exchange *(Swedish)* 2−21702
Bell System Dimension 2000 PABX, hospital appls. 2−6697
combined voice and data PABX market prospects 2−21584
common channel signalling in automatic telephone systems, message delay probability, No.7 system 2−16286
control functions distribution on local integrated communications networks 2−10786
D-4 type channel bank, single-chip microcomputer appl. 2−6704
digital remote unit integration with SPC digital switch in urban loop plant, planning and administra-tion 2−6726
direct dialing of credit card calls using direct signalling feature of Common Channel Interoffice Signalling network 2−6701
direct dialled credit card capability, software methodology appl. 2−2637
EPEX PABX, SPC system, call handling system and software struct. 2−16274
EWSD computer-controlled digital switching system for public telephone networks, operational structure 2−16291
EWSD digital communication system for telephone exchanges *(Czech)* 2−10925
EWSD digital telephone switching system, CCITT common channel signalling 2−16296
EWSD digital telephone switching system, operation and maintenance 2−16298
EWSD digital telephone switching system, peripheral line/trunk groups 2−16294
EWSD digital telephone switching system, software structure 2−16292
EWSD digital telephone switching system, structure of functional blocks 2−16293
exchanges, utilisation of number capacity *(Norwegian)* 2−26349
Hospital Communications Management System software package for DIMENSION 2000 PBX, patient-care data update 2−6687
intercom two wire system, using loudspeakers *(Spanish)* 2−26215
interstation traffic prediction in urban telephone networks 2−26173
long-distance telephone exchanges, operational anal. on computer 2−16287
microprocessor controlled PABX design 2−2607
Minnesota Power Co., computerised branch exchanges in star network 2−6548
Mitel PABX versatility and British market penetration 2−21443
mobile telephone system from Televerket *(Norwegian)* 2−6786
number store, optimal capacity, automatic selection *(Russian)* 2−21665
PABX service quality, field test system *(Japanese)* 2−16308
PABXs, optimum load distribution on operators, multiserver stochastic service system *(Hungarian)* 2−6695
quasielectronic and electronic automatic telephone exchanges, distributed control *(German)* 2−2623
rural stations, self contained stabilizer for the electrical power supply 2−720
SIRENA automatic re-routing system for quaternary group connections in Italian telephone network *(Italian)* 2−16029
stored program controlled exchange, table initialisation 2−2621
Swedish automatic mobile telephone network proposals *(Swedish)* 2−21445

automatic telephone systems continued
telephone exchange automation, management strategy 2−16271
time-multiplexed electronic branch exchange systems, integrating telephone and data traffic *(German)* 2−16288
UMG-2 mechanical voice equipment for service information transmission in Moscow urban telephone network, magnetically-recorded messages 2−16269

automatic test equipment
30 channel DM equipment, automatic final testing *(Hungarian)* 2−7007
A-D convertor testing, microcomputer controlled instrumentation 2−3040
A/D and D/A converters, 12- to 18-bit, NBS calibration service, design, measurement and operation 2−19743
A/D and D/A convertors, 12- to 16-bit, indirect automated measurement using ATE system 2−19744
A/D and D/A convertors automatic testing using 18-bit precision DC measurement system 2−19742
Ada, impact on ATE 2−16803
aeropropulsion systems test facility 2−11996
aerospace engine automated air-cooled test facility, with silencing system 2−22634
aircraft ATE interfacing using antenna couplers, TACAIR electronic warfare program 2−22689
aircraft ECM systems testing, in factory and field environments 2−22129
aircraft engine trim test set 2−22704
aircraft RF line replaceable units, ATE support 2−22687
analogue pin electronics capability, cost effective approach 2−22123
analogue signature analysis 2−22063
analogue test equipment 2−22085
analogue/digital GPIB based PCB test system 2−22099
architecture and system performance ramifications 2−22122
automobiles and engines automatic testing, future trends 2−23723
auxiliary test buffer unit for large memory characterisation data management 2−22110
aviation metrology management data acquisition 2−22691
avionics design w.r.t. testability 2−22690
bare PCB ATE for manufacturing facility 2−14459
batteries for photovoltaic power systems, computerised testing 2−12809
bench instruments for A/D convertor testing 2−16783
Biomations K101-D logic analyser for computer testing 2−3043
BLC-8488, intelligent general purpose interface bus controller 2−11343
blow-moulding process optimal design using computerised compressor test stand *(German)* 2−26711
board level computers, applications in equipment testing 2−11379
British Rail APT-P project, brake electronics test apparatus and traction electronics ATE 2−18703
built-in test equipment techniques 2−11376
burn-in and ageing systems for semicond. devices 2−16822
C-CD imager test system design 2−22100
calculator aided automatic testing system with mathematical processing ability *(Polish)* 2−7016
calibration, by means of dynamic transport stnadards 2−26756
calibration of third-generation ATE systems 2−22143
calibration via satellite 2−26758
card testers interfaces evaluation 2−19941
centralized maintenance of telephone networks for quality service 2−6547
codec testing, computer-based methods, simulated hardware appl., effect of intrinsic meas. errors 2−16255
Columbia 2000, LSI ATE, description and application 2−16785
combined in-circuit and functional testing, survey of techniques 2−22054
complex product quality control system in OKBK, installation problems *(Russian)* 2−19031
computer interface for measurement signals acquisition *(German)* 2−19008
computer testing, automatic diagnostic unit, using analogue multiplexer *(French)* 2−11348
computer-aided testing of Veritron controllers *(German)* 2−23975
conference, Orlando, Fl., USA (Oct. 1981) 2−22113
correlation of test results 2−22127
D/A convertor settling time testing in production environment using ATE 2−22108
DAS 9100 digital analysis system from Tektronix 2−3039
data communication tester, programmable for first-line technicians 2−16820
data converter calibration service for A/D and D/A converter transfer charact. meas. 2−26712
debugging ATE with Model 488 GPIB analyser 2−3044
decentralised automatic TV transmitter monitoring system 2−11163
decentralised component testing 2−4644
decentralized TV-test and -monitoring system for Deutsche Bundespost 2−16806
decision processes and tools, demonstration report 2−22140
dedicated, microprocessor controlled, cost effective approach 2−22139
defibrillator analyser, microprocessor-based, precision calibrator and tester appl. 2−11968
design for productivity 2−22134
development and trends *(Italian)* 2−22044
digital circuit analysers, review 2−22053
digital circuitry testing, Sperry's USER tester 2−22146
digital electronics handbook 2−8139
digital LSI, fault detection and isolation in board systems 2−11351
digital storage oscilloscope, features CCD for A/D conversion, microprocessor control 2−7116
digital storage oscilloscope with IEEE bus controller 2−6995
digital tester enhancement 'universal pin electronics' concept 2−11365
digital thickness gauge construction with automatic selection and measurement range switching 2−3058
digital TV measuring instruments 2−3050
digital voltmeter *(Italian)* 2−3188
distortion meter, nonlinear, errors evaluation under a priori conditions 2−26738
distributed ATE systems software 2−26763
distributed system architectures development 2−22124
drive testing, constant speed, for aircraft alternator 2−22131
dual-port resource-sharing ATE architecture 2−11346
ED-2.02 electromagnetic inspection unit/ for inspecting pipe/ 2−641
education in design for testability, Navy's course for engineers and managers 2−18911
EIP 575/578 source locking microwave counter, microprocessor control, multifunction test equipment 2−16804

automatic test equipment continued
electrical components, manufacture and maintenance, appl. of automatic measuring and inspection systems *(German)* 2−16824
electro-optical units testing, using 3-port system 2−26768
electromagnetic susceptibility test equipment 2−22087
electronic equipment test apparatus, technological evaluation, market trends *(Italian)* 2−22058
electronic equipment testing, in-house test engineering vs. outside vendor, economic comparison 2−24006
electronic modules testing, comprehensive test program set diagnostics 2−22120
electronics industry test strategies, w.r.t. cost 2−8193
electronics manufacturing, testing, conf., Boston, MA, USA, (June 1981) 2−8146
embedded memory testing system, using software-controllable algorithm pattern generator 2−6998
EMI system for MIL-STD 461/462 tests 2−22088
ESS equipment codes, Reconfigurable Access Functional Test System 2−26353
FACT II system, 1967-80 development 2−26715
failsoft concept feasibility and benefits 2−22119
fatigue testing machine, computer controlled, lifetime and crack growth meas. 2−19481
fault detection and isolation system development 2−148
FD-700 digitalized US test equipment, microcomputer appl., fault testing, precision appl. *(Japanese)* 2−11359
flight line electronic warfare testers evolution 2−22632
flight test instrumentation systems, multipurpose 2−17479
Fluke 3050A automatic test system charact. *(German)* 2−3045
future developments 2−16788
Gen-Rad testing techniques and apparatus *(Italian)* 2−22059
GenRad 2270 in-circuit test system, reliability enhancement of dry reed relays 2−5409
GenRad automatic IC testing systems *(Italian)* 2−22047
GRnet system, ATE computer network for production test data management 2−16838
ground support equipment, bubble technology appl. 2−22706
GTD-5 EAX production frame testing philosophy 2−2619
hardware structure for testing ICs and PC cards using K1510 microcomputer *(German)* 2−11356
high-performance integrated analog/digital test and characterization test system 2−22104
high-speed digital equipment, automatic testing *(Hungarian)* 2−26736
hot workability testing apparatus, for flow stress determ. and fracture 2−621
hybrid PCB test, bed-of-nails ATE fixturing techniques 2−16842
IBM's VLSI logic test system, test requirements, objectives and system specification and architecture 2−22111
IBM series/1 minicomputer for system verification and calibration 2−22109
IC process monitoring, automated parametric testers 2−9705
IC quality control testing, using desktop computers 2−6999
IEEE bus instruments advantages and pitfalls 2−7025
IEEE standard 488-1978 bus interface conformance testing 2−26759
IEEE-488 compatible instruments, second generation 2−16786
IEEE-488 test measurement line, Tektronix TM 5000 series, simplified integration and software 2−22051
imbedded memory arrays, functional testing, ATE 2−16841
in-circuit automatic test systems for PCB 2−11344
in-circuit emulation, component testing on dynamic bus structured boards 2−22149
inertial ATE interfaces innovation 2−26769
information services survey 2−18930
innovative test equipment design 2−3537
integrated circuit layout testing, semi-and fully-automatic techniques *(German)* 2−18981
interactive test unit for data transmission, monitoring of symbol sequences, time relationships between data and interface signals *(German)* 2−26720
interface standardisation of unit-under-test 2−22133
interfacing laboratory instrumentation to a computer [battery testing], battery testing laboratory facilities 2−3037
internal diagnostics for microprocessor based instruments 2−11347
J941 VLSI test system 2−11341
KFT 8080 microprocessor, testing with ICOMAT-110 *(Hungarian)* 2−26735
KU-band receiver testing, of satellite TDRSS system *(French)* 2−11021
leased cct. remote testing system, centralised maintenance system 2−26731
linear circuit tester by Analog Devices *(French)* 2−3048
linear IC testing system 2−11338
linear ICs testing, using digital computer-controlled test system 2−5798
load measurement using microprocessor based measuring system and field adjusters *(Hungarian)* 2−22338
loaded PCB test defect reporting system, computerised system 2−16840
logic PCB testing, PLT, a test language for new products 2−793
LSI automatic testing *(Swedish)* 2−25281
LSI testing, combination of in-circuit and functional methods 2−22055
Lynch B610 ALERT test system for pair gain systems 2−7021
magnetic components testing, using MATS testing stations 2−11375
magnetic tape units, multiple channel data storage, stand-alone test panel 2−26727
maintenance engineering education 2−18913
maintenance MIS for shop supervisors and managers 2−22115
management control mechanism appl. 2−8192
mechanical failure prediction, using real-time digital technique 2−22118
metal internal friction and elastic modulus temp. charact. determ. using automatic apparatus 2−5040
Micro-System Troubleshooter Model 9010A, testing of microprocessor bus and bus-connected devices in ele-ctronic equipment 2−6993
microcomputer controlled test system for automatic testing of relays 2−3060
microcomputer power supply automatic testing with low cost systems 2−23352
microcomputer-controlled manufacturing processes, ATE using programmable meas. equipment and microcomputers, test procedures *(German)* 2−3055
microelectronic systems, automatic testing proposal *(Italian)* 2−22046
micromechanical props. anal., automatic system 2−26732
microprocessor based circuits testability design 2−7027
microprocessor controlled digital test subsystem tailored to automatic test program generator output 2−26764
automatic test equipment continued
microprocessor controlled laser gas processing and supplying apparatus *(Japanese)* 2−25653
microprocessor controlled relay test system, low cost 2−7028
microprocessor driven microwave tester, using Model 7000A, Series 7100 2−3052
microprocessor-based circuit boards high speed functional testing 2−22106
microprocessor-controlled testing device in transmission engineering equipment prod. *(German)* 2−26746
military electronics maintenance, commercial appl. of military experiences 2−26767
military field environment appl., using mobile shelter facility 2−22136
Millenium Systems 9500 series microprocessor development system *(German)* 2−16784
modular architecture and flexible switching, hybrid functional test system development 2−22138
modular ATE/UUT interface 2−22132
modular remote FDM monitoring system 2−7019
moving material, automatic surface inspection method *(German)* 2−124
MPU-controlled test euipment development 2−7004
multi-port testing evaluation and future potential 2−22135
multiport multitest machine design 2−26761
Navy's management, workload and cost savings forecast utilizing supply support data 2−22116
Navy ATE calibration support 2−22145
Navy ATE systems on-line certification 2−22144
Navy machinery testing and monitoring, R&D approach 2−22142
Navy maintenance concepts development 2−26765
NC machines setting instruments production 2−16801
network analyser, automatic, dual 6-port, for determ. of biological effects of RF and microwave radiation 2−26805
non contact test probe 2−16799
online production test equipment design 2−6994
operation and control when testing electronic components *(German)* 2−3038
operational amplifier frequency charact. meas. 2−11374
operator test control and interface evaluation 2−26770
optical cable automated loss meas. set 2−7003
optical scanning system, microprocessor-controlled 2−11366
pair reversal elimination during cutovers using automatic pair identifier 2−6733
parametric board testing at speed, requirements and test equipment 2−22105
patterned semiconductor wafers, automatic inspection and computation tool 2−26728
PC artwork measurement, automatic optical inspection, Validator Optical Edge Finder System 2−16843
PC assemblies, test defect data logging system based on Sperry-Univac 1182-mainframe 2−22062
PC boards computerised testing, field service costs and speed reduction 2−24007
PCB assembly and testing using automatic insertion and ATE 2−24803
PCB ATE, continuity/shorts testing in high-volume appls. 2−16839
PCB CAD/ATE systems, interrelationships and interfaces 2−5458
PCB functional testers 2−14363
PCB guided current probing method, using Flo-Tracer system 2−7015
PCB interfacing, using bed-of-nails techniques 2−9291
PCB manufacture, eval. of automatic testing equipment 2−1029
PCB production, material requirements planning systems 2−18979
PCB testing, ATE requirements and capabilities, user's viewpoint 2−9310
PCB testing, user requirements for dynamic high speed functional tester 2−9290
performance assessment 2−26757
performance improvement for prime electronics systems testing 2−22126
PIN module for high accuracy and timing control 2−18984
polyethylene, cable insulation appls., partial discharge evaluation, 8-channel ATE controlled by real-time microprocessor system 2−11364
potentiostat programmers for automatic inspection of intergranular corrosion tendency of stainless steel 2−19476
power cable offset microcomputer controlled tester *(Japanese)* 2−16817
power supplies, automatic test system for production environment 2−16813
power supply/transformer ATE, terminal switching automation, programmable relay array 2−26726
power transformer insulation testing, on-line incipient fault detector, field experience 2−23350
power transistor test set, microprocessor control, hardware/software tradeoffs 2−26713
precision automatic test-adjust system design and development for high speed relay production 2−3061
pressure transmitter calibration, differential, automated test facility 2−22097
process control instrum., testing and calibration equipment 2−16811
programmable automatic oscilloscope and automatic testing *(Japanese)* 2−11520
programmable V/I stimulus and measurement module using FET switches 2−698
railway safety appliances functional units automatic testing equipment and procedure *(Hungarian)* 2−22074
railway signalling, microcomputer modules, ATE unit *(German)* 2−22078
railways vehicles, on board testing of electronic equipment 2−16834
RAM ATE calibration check using test reference module and selected test patterns 2−7009
RAM production testing, Megatest Q2/40 system for dynamic memories 2−22077
real time functional tester, used for controlled environment systems emulator 2−6997
real-time performance testing of photovoltaic concentrator modules 2−16844
rectifiers dynamic resistance determ. 2−26739
relay microprocessor controlled test equipment *(French)* 2−16791
RF permittivity meas. of biological tissues with open-ended coaxial lines 2−22541
RF permittivity meas. of biological tissues with open-ended coaxial lines 2−22542
RF range, software-based accuracy enhancement procedure 2−26762
RFI susceptibility test system, automated 2−21127
ring laser gyro testing, using distributive ATE systems 2−22148
satellite test facilities, communications, DSCS III 2−12001
self-training facilities 2−22150

automatic test equipment continued
semiconductor components testing, user design of test systems 2—16787
ship built-in-test design guidelines for hull, mechanical and electrical systems 2—22117
short-circuit tests of fuses, automatic evaluation device *(Czech)* 2—24775
simulation models for unit-under-test representation 2—22125
software quality assurance for automated calibration laboratories 2—26760
solder joint inspection on PCBs using laser-pulse heat injection and IR thermal sensing 2—9322
solid-state computer-controlled system for swept-freq. meas. of dielectric props. at microwave frequencies 2—22064
Sony/Tektronix 308 data analyser, portable, for testing microprocessor-based systems 2—22082
specifications clarification 2—22151
speed increase by use of memories in instruments, IEEE-488 bus capabilities 2—16782
Stockholm telecommunications area, test centre for hire data links *(Swedish)* 2—21430
submarine coaxial cable fault location test set employing measurement of the frequency-scanned return modulation product *(Japanese)* 2—26734
submarine vibration and strain measurement instrumentation with an automatic self-test feature 2—22098
subscriber telephone lines 2—3042
survey of methods and equipment *(Italian)* 2—22048
swept-freq. Z 2—7199
switching interface design, modulator, for missile system 2—22688
switching paths automatic selection, ROUTER software package 2—22121
synchronisation cct. for external equipment 2—11345
system integration process 2—22137
tactical navigation system testing [software intensive systems], software intensive systems development 2—17472
telecommunication measurement equipment for digital communication systems *(French)* 2—16818
telephone exchange, loop testing system 2—10920
telephone lines checking equipment *(French)* 2—16819
tensile testing, servocontrols for automation 2—622
test strategy development, using requirements analysis 2—8291
Testomat-C, digital telephony PCBs testing *(Hungarian)* 2—7006
throughput maximisation 2—22114
Tornado aircraft automated test system, development of RF station 2—26740
transceiver test sets, automatic settings and firmware routines 2—16808
TV broadcast signal meas. and logging system, Tektronix 1980 ANSWER set 2—22084
TV transmitter performance monitoring, automatic video signal processing instrument with logging capability 2—22083
TV transmitters and transposers, RF tests using Maintenance Automatic Test Equipment 2—22066
Universal PC-board Tester, system and operation 2—16823
user's problems identification 2—26766
user interfaces developments, integrated approach 2—22147
vehicle testing using UNIMETS, portable microcomputer based system 2—26752
VLSI, combined multi-corner testing with time/voltage modulation 2—22065
VLSI test generating programs *(Norwegian)* 2—24356
VLSI test systems overall timing accuracy anal. and definition 2—22101
VLSI testing, conf. Philadelphia, PA, USA, October 27-29 (1981) 2—18875
VLSI testing, improved test systems 2—7000
wafer testing of transistors and diodes *(Rumanian)* 2—3046
warfare electronic system testing, using colour graphics 2—22130
warfare electronic systems testing, high-speed signal acquisition and processing 2—22128
weapon systems Joint-Service developments 2—22141
welds in steel pipes for HV transmission towers, automatic ultrasonic test equipment appls. 2—7464
welds in steel structures, automatic ultrasonic test equipment appl. 2—7465
word/data generators, digital ATE, techniques and appls. *(German)* 2—26721
Zehntel Troubleshooter TS800 equipment, used for component by component testing *(Italian)* 2—22060
AlGaAs-GaAs concentrator solar cells, computer-controlled flash testing system 2—16845
Si wafer surface defect checking machine FLAWS *(French)* 2—11353

automatic testing
16K RAM dynamic memory array card burn in and high speed functional card testing 2—19693
A/D and D/A convertors automatic testing using 18-bit precision DC measurement system 2—19742
A/D convertor testing with bench instruments 2—16783
analogue electronic systems, testability and test complexity 2—11350
analogue signature anal., real-time test technique, discrete-time signal processing, 200 Hz to 3 MHz 2—16789
assembled printed boards *(German)* 2—1011
ATC systems testing, simulated target generation 2—12046
ATE computer programs, hidden cost considerations in long term use 2—18985
ATE test strategy development, using requirements analysis 2—8291
automobile computer-based final checking system *(German)* 2—13115
automobiles and engines, future trends 2—23723
avionic navigation system board and ground test, based on terrain correlation 2—17478
avionics and its support capability development, TARPS test program set 2—22635
avionics fibre-optic built-in test development 2—7396
batteries for photovoltaic power systems, computerised testing 2—12809
butt weld, automatic interpretation of radiographic monitoring 2—633
CAD/CAM, gains in printed circuit design and production 2—19947
car engine computer-aided serial testing *(German)* 2—13116
CMOS/SOS radiation-hardened Si-gate process comprehensive test pattern for process performance/control 2—20353
codec testing, computer-based methods, simulated hardware appl., effect of intrinsic meas. errors 2—16255
combined in-circuit and functional testing, survey of techniques 2—22054
components acceptance testing, microcomputer based *(Spanish)* 2—122

automatic testing continued
computerised testing, economics of functional testing of electronic devices throughout manufacturing cycle 2—8253
conference, Orlando, Fl., USA (Oct. 1981) 2—22113
D/A convertor testing using Burr Brown's DAC 74 as reference standard 2—9117
digital avionics systems self-contained testing, parametric relationships 2—22662
digital ccts., initialising method for INDICATES automatic test pattern generator system 2—5171
digital hardware fault propagation characterisation as simple Markov process 2—150
digital ICs, LSI, MSI and SSI configurations, generation and optimisation of test series in man-machine dialogue *(German)* 2—5179
digital networks containing MSI cct., test generation *(German)* 2—11358
digital PCB feedback analysis—an aid to digital test pattern generation 2—792
digital PCBs, test fixture noise reduction 2—3047
domestic appliances, major microprocessor controlled testing *(German)* 2—18973
drive, constant speed, for aircraft alternator 2—22131
dynamic circuitry, static automatic test program generators appl. 2—24471
electric railway traction vehicles, automatic diagnosis/location of faults in electronic equipment *(French)* 2—23702
electrical DC parametric testing in semiconductor industry 2—5757
electronic components, testing equipment operation and control *(German)* 2—3038
electronics industry test strategies, w.r.t. cost 2—8193
electronics manufacturing, conf., Boston, MA, USA, (June 1981) 2—8146
EM relays assurance test method using microprocessor 2—998
embedded arrays self-assist testing 2—19727
emission testing of electronic instruments, computer-controlled 2—21132
fault detection processor, self checking, design *(French)* 2—14168
fault isolation test system architectural concepts 2—149
gas turbine engines, ATLAS language implementation 2—22703
high speed bipolar memories 2—24512
high-performance integrated analog/digital test and characterization test system 2—22104
high-speed digital equipment, automatic testing *(Hungarian)* 2—26736
impulse voltage generator automatic control system *(Finnish)* 2—27997
in-circuit testing data processing, quality assurance improvement 2—8292
in-circuit testing of complex analogue and digital components, efficient programming approach 2—9289
in-track rail testing development by British Rail 2—11363
insulation, polyester amide-imide wire enamel cure profile determ. by dielec. anal., automatic dielectrometer 2—16837
integrated hierarchical CAD-CAM-CAT system in electronics, engineering design aspects 2—664
interactive test pattern generation, possible tools *(French)* 2—14933
interface bus standard IEEE 488/78, comp. with previous standdard *(Spanish)* 2—26748
logic circuits, interactive test pattern generation 2—804
logic testability assessment: its use in testable circuit design 2—791
logistic support analysis education, for military electronics 2—18912
LSI circuit board testing using computer-guided probing system 2—22107
LSI PC testing, LASAR software enhancement 2—22056
LSI photomask defect inspection for improved yield, characts., and reliability 2—1417
LSI PLA, automatic test generation 2—1438
LSI/VLSI components testing program development, evaluation/production test appl. 2—20378
machine screw pitch and led error meas. by laser interferometer and optical feeler *(Japanese)* 2—11616
magnetic components, using MATS testing stations 2—11375
magnetic tape equipment, parameter estimates using computers under service conditions 2—9862
medium size computer, field diagnostics generation 2—85
memory boards, guided probe-based diagnostic technique 2—9092
microcomputer power supply automatic testing with low cost systems 2—23352
microprocessor based circuits testability design 2—7027
microprocessor-based circuit boards high speed functional testing 2—22106
microprocessor-based systems, using portable Sony/Tektronix 308 data analyser 2—22082
mining machinery testing, computer controlled testing 2—13305
MPU-based system testing, review of strategies 2—5763
multi-level testing of complex assemblies 2—26729
multistation terminal system with video and printing units *(Italian)* 2—16181
operational amplifier characteristics meas. standardisation, use of automatic balancing 2—17061
parametric board testing at speed, requirements and test equipment 2—22105
passive components production meas. requirements, impedance determ. 2—4643
PC boards, field service costs and speed reduction 2—24007
PCB, designing to testability, optimisation of interface with ATE 2—1016
PCB in-circuit test systems, bed-of-nails contact, test program 2—16790
PCBs containing microprocessors 2—9285
PCM filter testing, techniques and software 2—19773
PCM switching system analogue data channels 2—16281
power supplies, automatic test system for production environment 2—16813
production, decentralised component testing 2—4644
production testing automation *(Italian)* 2—22045
programmable logic arrays, completely self checking checkers 2—19651
PWB in-circuit and functional testing, automatic signal tracing facility 2—23987
railway safety appliances functional units automatic testing equipment and procedure *(Hungarian)* 2—22074
regular structures, uniform, technical diagnostics problems optimisation *(Russian)* 2—10594
repairable RAMs and mostly-good memories, testing 2—19690
ring laser gyro testing, using distributive ATE systems 2—22148
satellite, communications, DSCS III 2—12001
semiconductor components, user design of test systems 2—16787
semiconductor plate resistivity temperature dependence recording automation 2—3243
simulation models for unit-under-test representation 2—22125

automatic testing continued
small-signal test program set generation, information theory, analogue 2−24363
SPC switching systems, automatic testing procedure *(Italian)* 2−16283
speech synthesis ICs, test strategy development for functional testing 2−19759
standardizing test instrument descriptions 2−26722
structured program for IEEE 488 bus systems 2−26723
surface gloss meas. specular reflection device *(Japanese)* 2−23983
tactical navigation system testing [software intensive systems], software intensive systems development 2−17472
telecommunication circuits testing, correlation study of modern techniques used 2−22102
telephone exchanges such as Pentaconta 1000C, 10 inputs, static, diagnostic procedures *(Polish)* 2−2600
tensile testing, servocontrols for automation 2−622
test pattern generation 2−25327
test pattern generation program with functional capability 2−128
testability economic assessment 2−19032
testing microprocessor-based systems, using portable Sony/Tektronix 308 data analyser 2−22082
transformers, inductors, MATS magnetics automated test set, calculator control 2−19907
TV broadcast signal meas. and logging system, Tektronix 1980 ANSWER set 2−22084
video signals, on-line systems *(Polish)* 2−16650
VLSI self-testing by polynomial division [VLSI testing] 2−20380
VLSI testing, conf. Philadelphia, PA, USA, October 27-29 (1981) 2−18875
volume codec testing techniques, correlation study 2−22103
wafer testing equipment developments 2−1426
washing machine manufacture, quality control, microcomputer-based system charact. *(German)* 2−8290
X.25 protocol tester, appl. for business telecommunications *(German)* 2−26283

automation, social aspects *see social aspects of automation*

automobile industry
assembly-line data communication system, microprocessor-based, teleprinter output 2−16220
ATE appl., future trends 2−23723
automatic defectoscopy for radiator tubes for the Moskvich automobile *(Russian)* 2−26824
Cadillac electronic ignition control microprocessor malfunctions 2−8052
combined heat and power appl. in automotive industry, cost effectiveness 2−8116
computer interface for measurement signals acquisition *(German)* 2−19008
computer-based final checking system *(German)* 2−13115
computer-based length meas. system *(German)* 2−11625
dynamic electrical test rigs, economic advantages *(German)* 2−13264
electric suspension monorail systems in production areas *(German)* 2−13132
engine computer-aided serial testing *(German)* 2−13116
motor vehicle computerised emission control system 2−8051
optics and quality control in automotive industry 2−4677
paint plant, process automation employing programmable controllers 2−13107
transducers role in research, Ford's developments 2−28204
truck cab automated welding using robots 2−4540

automobiles
antennas, PC, for car windscreens *(Spanish)* 2−4446
anti-theft device *(Spanish)* 2−4445
assessment of flywheel system benefits in selected vehicle applications 2−12960
ATE appl., future trends 2−23723
automatic heated windscreen using IR source and receiver, design *(German)* 2−23716
automatic vehicle monitoring, NAVSTAR, global positioning system, police appl. 2−16532
automotive electronics in Japan in 1980s 2−28208
automotive electronics market in Europe, appl. of hybrid ICs 2−5492
automotive internal combustion engines, 3D anal. of flow and combustion 2−13781
batteries, winter performance, power consumption and output charact., weight reduction *(French)* 2−18431
burglar alarm/lock cct. using ICs 2−4442
car alarm horn pulsing cct, using 555 timer, earth strap PD sensor 2−18735
car battery operated power supply, using 7805 voltage regulator IC 2−19530
car electronics, integrated microprocessor-controlled systems 2−23714
car headlamps testing, using SP/99 Soft Power microcomputer *(Italian)* 2−22061
car lights delay cct., using relay, bipolar transition 2−8053
car lights warning alarm, circuit description 2−13043
car repair body filler detector, using CMOS 150 kHz oscillator 2−23680
car stereo equipment, 150 W DC to DC convertor 2−5085
car theft alarm, using monostable multivibrators, transistor driver 2−8060
catalyst temperature stress meas. using microprocessor based data logger 2−26794
computerised instrumentation, Siemens single-chip computer appl. *(German)* 2−13044
consumer electronics for automobiles 2−6969
control systems, sensors and data acquisition system requirements 2−16930
crash tests, appl. of 16×16 channel transient recorder 2−26795
dashboards for cars using CRT, liquid crystal, and electroluminescent displays 2−4440
digital central electronics *(German)* 2−28195
distributor EMI, short-gap atmospheric discharge using rotor and post electrodes 2−28200
electric drive for VW Golf, environmentally inoffensive *(German)* 2−12981
electric vehicles, microprocessor-based control system 2−18737
electronic ignition device 2−4437
electronic taxometer, POLTAX-3 displays distance driven and fare due 2−22214
electronic torquemeter, appl. *(German)* 2−23717
electronics, opportunities for design in classified fields 2−8057
electronics, using hybrid circuits *(German)* 2−28193

automobiles continued
electronics for mass consumption *(Slovenian)* 2−28260
electronics growth and foreseeable developments *(Swedish)* 2−28198
energy-using durables, choice and utilisation, EPRI-sponsored study, November 1979 2−27418
engine microprocessor control 2−18730
engine testing set for general motorists 2−23722
excess speed indicator, for automobiles *(Spanish)* 2−13047
flip-chip thick-film components for automobile electronics, reliability considerations 2−24839
fuel economy control systems 2−13048
fuel economy indicator, using intelligent electric tachometer 2−8058
fuel gauge ensures economical motoring 2−23721
functional laser trimming of automotive electronics 2−1072
headlight reminder alarm 2−4438
HF welding equipment for automotive radiator brass tube production 2−28289
high reliability test banks for endurance tests *(French)* 2−28188
hybrid IC voltage regulator for automobiles 2−19538
ignition booster device *(French)* 2−18732
ignition controller system, Rombic, from RCA 2−8054
ignition EM noise calculation, caused by plug gap breakdown 2−28201
ignition K580 microcomputer-based control system *(Russian)* 2−3888
ignition keyhole light cct. 2−24623
ignition noise meas. using DM-4 amplitude probability distribution meter 2−26956
inductive discharge ignition system, using transistor switching 2−8061
instrument panel display, CRT for dashboard installation 2−3220
instrument panel displays using liq. crysts. 2−22322
interference suppression in motor vehicles, diagnosis, sources *(German)* 2−28199
interference suppression methods, HF mobile radio appl. 2−26445
K580 microcomputer for automobile antilock braking control *(Russian)* 2−4405
K580 microcomputer for automobile antilock braking control *(Russian)* 2−4406
liquid H_2 as automotive fuel, storage and refueling 2−4434
liquid level gauge, using IC proximity switch TCA 205 for diesel engines 2−28203
loudness adjusting circuits for automotive audio systems 2−2988
microprocessor interfaces 2−18731
'Motronic' microprocessor controlled fuel injection, ignition timing system *(French)* 2−13046
MOTRONIC digital electronic system for integrated control of injection and ignition in Otto carburettor engines *(German)* 2−28194
musical horn using digital ICs and PROMs 2−11282
Norwegian LCD production, application in car dashboard display *(Norwegian)* 2−26903
opto-electronic ignition system 2−8056
PE car computer with digital information display 2−26744
radio aerial, windshield active antenna, design 2−15783
radiotelephone systems with through dialling *(German)* 2−10997
rechargeable battery, solid-state, review of research 2−18430
reversing audible alarm cct., 556 dual timer IC appl. 2−13041
rolling resistance, of wheels, on undulated soft ground, elec. automatic meas. *(Japanese)* 2−3056
seat belt audio reminder 2−4439
solar-electric cars using storage batteries, feasibility in the near future 2−28153
solid state instrumentation, review and example of microprocessor use 2−13042
spark timing control circuits testing, field and bench test instruments 2−13049
speed sentry alarm system for monitoring of vehicle speed 2−8055
speed timing radar, electronic countermeasures used in USA 2−16504
thick film technology in automobile electronics *(Italian)* 2−5478
tracking using terrestrial Loran-C 2−16505
trigger cct. for car horn using whistled note or dog whistle, identification of car in car park appl. 2−18734
use of microprocessors and computers in office administration, automobiles and domestic appliances *(French)* 2−28202
vehicle electronics, dwell times, fuel consumption, exhaust gas, control systems 2−8059
vehicle electronics, technology trends 2−13045
VHF mobile antennas, vertical polarisation, fitting to automobiles 2−16394
VHF-UHF antenna design trends, transceiver appl. 2−26432
water level indicator for diesel fuel filter, using TCA 205A IC proximity switch *(German)* 2−23715
H_2 fueled automotive vehicles, fuel cell substitution for internal combustion engines 2−7987
O_2 sensor, oscillatory mode for air/fuel ratio monitoring 2−22430

autoresonant accelerators *see collective accelerators*

autotransformers
autotransformer/booster control transformer set transient phenomena during voltage control system changeover from longitudinal to transverse *(Polish)* 2−23330
Paris-South-East line, electrical installations *(German)* 2−12985
rotary frequency convertor with an adjustable autotransformer, design *(Russian)* 2−4301

avalanche diodes
see also avalanche photodiodes; IMPATT diodes; TRAPATT diodes
p^+-n-n^+ diodes, reverse biased, negative resist. and current filament 2−25191
p^+-n-n^+ structure, avalanche breakdown calcs. 2−25194
GaAs MM-wave abrupt p-n junction MITATT diodes, theory, operation from 100-800 GHz 2−19890
GaP avalanche-transit diodes, gamma-ray effect on V-I charact. *(Russian)* 2−14834
InP/InGaAsP/InP double heterojunction double drift-region avalanche diode *(Chinese)* 2−1331

avalanche photodiodes
detectors, p-i-n and avalanche photodiode, for 1.1 to 1.6 μm operation, state of the art 2−7108
fibre optic detectors, design considerations 2−6835
MIS structure operating under avalanche multiplication conditions, light detect. 2−20752
n^+-p-π-p^+ Si structure, 34 Mbit/s optical communications system appl. *(Italian)* 2−16461
noise characterisation with a multichannel pulse height analyser 2−1808

avalanche photodiodes continued
optoelectronic downconvertor 2−25624
p^+-π-p-π-n^+ avalanche photodiodes, non-white multiplication noise in dark current regime 2−25629
photodisplay devices operation and characts. *(Italian)* 2−20741
reach-through avalanche photodiodes, noise, responsivity and long-term stability prospects 2−25621
triggered avalanche detection of IR photons 2−16979
AlGaAs-GaAs ultra-low-noise avalanche photodiode with separated electron and hole avalanche regions 2−20740
p-AlGaAs-n-GaAs heterojunction avalanche photodiodes, high gain, fabrication and props. 2−25625
$Ga_{0.47}In_{0.53}As$, low temp. LPE growth 2−8817
GaInAsP-InP, in digital repeater, extremely wideband, input stage *(German)* 2−16457
Ge avalanche photodiode receiver, sensitivity meas. 2−10153
Ge avalanche photodiodes, dark current noise characts. and their temp. depend. 2−1800
InGaAs/InP heterojunction phototransistors performance comparison with p-i-n FETs and APD-FETs, optical fibre communication systems 2−20745
InGaAs-InP, avalanche photodiode, low leakage, LPE-grown 2−1811
$In_{0.53}Ga_{0.47}As$, dark currents and min. detectable powers 2−15408
$In_{0.53}Ga_{0.47}As$-InP avalanche photodiodes, excess-noise and receiver sensitivity measurements 2−15401
InGaAsP, dark currents and min. detectable powers 2−15408
InGaAsP, ionisation coeffs., excess noise characts., temp. depend. 2−10150
InP, ionisation coeffs., excess noise characts., temp. depend. 2−10150
InP-InGaAsP avalanche photodiodes, hybrid, performance characts. 2−10145
InP-InGaAsP planar avalanche photodiodes, 1.3 μm wavelength 2−10139
Si avalanche photodetectors, crystal defects, electron channelling imaging with SEM 2−9483
Si n^+-π-p-π-p^+ avalanche photodiodes, noise in weak multiplication regime 2−25630
Si, optical receiver for fibre-optic digital communication system equipment 2−6841
Si, reach-through, wavelength and temp. depend., laser detector appl. 2−20737

avalanches, carrier *see impact ionisation*

avalanches, electron *see electron avalanches*

avalanches, electron-hole *see impact ionisation*

avionic systems *see aircraft instrumentation*

Avogadro's number *see constants*

axicons *see lenses*

backplane wiring *see wiring*

backscatter
see also particle backscattering
bistatic wave scatt. from layer of Rayleigh scatterers with irregular interface 2−10456
coherent imaging radar systems, scatterometer appl. 2−16506
electrojet, equatorial, magnetic storm time elec. field changes, VHF backscatter from plasma irregularities 2−6327
electron beam 2−1266
EM waves by radially inhomogeneous plasma sphere, diffr. effects 2−2159
ionosphere radiowave, scattering by equatorial and high latitude waves and irregularities 2−15695
microstrip dipole arrays including mutual coupling, design, self/mutual impedance of elements, backscatt. relation 2−2215
monomode fibre, Rayleigh backscattered signals obs. using multichannel photon counting technique 2−9979
multimode optical fibres, backscattered power level variation with numerical aperture 2−25501
ocean inhomogeneities, acoustic backscatter and one-way propagation effects 2−26550
optical fibre backscatter loss signature determ., long-range, using two-point processing 2−20646
optical fibre backscatter meas. using optical time domain reflectometer 2−10035
optical fibre gyro, backscatt. error reduction 2−1735
optical fibre high resolution measurement of diameter variations by backscatter method 2−15301
optical fibre mode power distrib., with fluctuation in physical parameters and appl. to backscattering signal anal. 2−15303
optical single-mode fibres, long-range backscatt. expts. 2−20651
radar backscatter meas., X-band FM/CW, North Sea Platform Noordwijk project 2−27281
radar scattering theory 2−11107
radar surveillance of sea-state, surface current and surface wind 2−22736
Raman backscatter and fluorescence from chlorophyll a in seawater 2−7439
scatterometer measurements on crop and soil surfaces, crop monitoring appl. 2−17590
sea ice broad-band backscatter meas. from low-altitude 2−26529
sea sediment identification 2−27293
sea surface, basic concepts 2−17575
single-mode fibres, meas. of backscatter factor 2−20633
VHF backscatter from sporadic E-layer over Central Europe 2−21091
volume scatter model theories, vegetation, snow and sea ice studies appl. 2−17577
Au plating thickness testing, combined microsectioning, β backscatter SEM method 2−14337

backward wave oscillations *see backward wave tubes; electromagnetic oscillations*

backward wave tubes
see also carcinotrons
heterodyne-type, oscillator for expt. study of field structure in submillimeter-band lens line 2−21012
M-type, static cycloidal behaviour and nonlinear effects 2−1120
ultrarelativistic backward-wave tube with anomalous Doppler effect, transient nonlinear theory 2−20028

bagging *see packaging*

balance (physiological) *see mechanoception*

balanced amplifiers *see differential amplifiers*

balanced input amplifiers *see differential amplifiers*

balances
see also weighing
automatic, digital, nonlinear theory 2−7013
ballistic vehicle heatshield testing, reentry roll torque meas. using skin friction balance 2−22628
deadweight stndardising machine, PW-MO 500 kN *(Polish)* 2−11323
electronic, Delta Range series, laboratory automation 2−3285
electronic, polypropylene production appl. *(Hungarian)* 2−22409
electronic and microcomputer systems in industry, agriculture, commerce and medicine *(Hungarian)* 2−22402
electronic counting scales, microprocessor appls. 2−26737
electronic counting scales, tool for precise inventory control 2−11636
electronic load cells, for bulk materials quantities meas. 2−3286
electronic scales, market and development trends 2−3175
electronic weighbridges, construction, problems and appls. 2−11635
electronic weighing systems, standards and enforcement in Hungary *(Hungarian)* 2−22410
humidity effect on double knife-edge balance readings 2−26973
industrial scales design, user aspects *(Hungarian)* 2−22403
magnetic, with superconducting magnet and pair of gradient coils *(Japanese)* 2−11597
microprocessor system TENSIMIK and fodder mixing appl. *(Hungarian)* 2−22405
microprocessor weighing system TENSIMIK, A/D convertor *(Hungarian)* 2−22408
microprocessor-based balance 2−26745
pin-type weighing cells, plate and deck plate scales *(Hungarian)* 2−22407
rotary, development and trial for low-speed wind tunnels 2−12012
TENSIMIK microprocessor weighing system, hardware and software *(Hungarian)* 2−22404
weighing technology, colloquium, Szeged, Hungary (Sept. 1981) *(Hungarian)* 2−18852

ball lightning *see lightning*

balloons
see also aircraft
balloon-borne ion mass spectrometer, control and data transmission system 2−12077
camera system for UV obs. of ionosphere Mg II 2−3597
data collection platforms for local Earth data transmission to satellites, problems *(German)* 2−22191
long-duration balloon flights, telemetry and location systems 2−12087
poor man's balloon control and data system 2−12078
scientific balloon telemetry, command and data recording 2−11392
solar cells, balloon calibrated, with narrow band-pass filters, simulator spectral characterisation 2−17526
telemetry and control systems for balloon altitude mosaics meas. program 2−11391

band gap *see energy gap*

band model of magnetism
No entries

band-pass filters
see also crystal filters; vocoders
active filter, using operational amplifier *(Hungarian)* 2−9145
active filter design, Butterworth low pass, high pass, band pass , band stop 2−24595
active filter low-pass to band-pass linear transformation 2−14207
active filters, design and experimental testing *(German)* 2−19772
active filters, expt. investigation *(German)* 2−24594
active filters for video selectivity block for television receivers 2−2890
active RC multifeedback, operational amplifier single-pole model effect 2−822
active second-order bandpass filter, low-noise state-space realisation 2−24592
AT-cut quartz crystal stable narrow band-pass filter at 150 MHz 2−20472
attenuation characteristics approx. by optimising weighted error criterion 2−9140
balloon calibrated solar cells with narrow band-pass filters, simulator spectral characterisation 2−17526
chain of uniform π-networks with crystal resonators in series arms 2−9138
Chebyshev active filters using operational amplifiers, transfer functions *(Czech)* 2−5289
design using TI 58/59 programmable calculator *(German)* 2−19778
digital, recursive, real-time appl. *(German)* 2−14226
digital filter concept implementation for student case study using Intel 2920 single-chip signal processor 2−14221
digital FM transmission system, performance characts. 2−21431
dual mode filter design, initial synthesis, realisation, test results 2−24689
duplexers for microwave receiver protection from transmitter spurious output, common antennas appl. 2−10960
electro-optical light modulators *(Russian)* 2−20688
electronic organ voices, modified using active band-pass filters, waveform generator 2−2990
envelope signal detection, band-pass FIR quadrature filter appl. 2−6453
floating inductor design using single op. amp., active filter ccts. appl. 2−5282
frequency transformations representation by phase-shifters in iterative lattice networks *(German)* 2−816
Gaussian filter for differential detection of MSK 2−837
logic gate filter for square-wave pulse train 2−835
loudspeaker crossover network filter design characts. 2−22002
meander-line filters incorporating p-i-n diodes 2−24723
metallic mesh interference filters, high freq. pass 2−6079
microwave band-pass resonator filter config. with inhomogeneous dielectric loading 2−24683
microwave filters, asymmetric synthesis, attenuation pole placement on one side of passband, waveguide filter appls. 2−24671
Mitel's touch tone decoder chip set, using MT8860/5 ICs 2−26303
multichannel frequency division ccts. of filter type, synthesis 2−19497
OCR resonators, realization of canonical forms 2−5285
odd-degree pseudoelliptical phase-equalized waveguide filter, asymmetric band-pass behaviour 2−24672
optical multi/demultiplexers for single-mode fibre transmission 2−9988
passive, coupled tuned cct. realisation, critical selectivity curve 2−14202
piezoelectric filters, manufacture by ion bombardment under plasma *(French)* 2−25399
programmable pocket calculator bar code programs *(German)* 2−814

band-pass filters continued
pseudobandpass filter, prototype, cascaded transmission line microwave filter 2−821
psophometer bandpass filter unit for use in broadcasting studio meas. 2−24579
quartz crystal band-pass filter *(Japanese)* 2−25397
quasiorthogonal Laguerre bandpass filter energy losses in real components *(Russian)* 2−24580
R-filters, synthesis using pole of amplifier-frequency response 2−24605
RC active band pass filters, freq. dependence of statistical variations 2−19790
RC bandpass filter using floating inductors 2−14208
real-time programmable switched capacitor bandpass filter 2−14217
ring type band-pass filter with independent regulators using operational amplifiers *(Italian)* 2−5278
SAW, 30 MHz, design, fabrication and testing 2−1535
SAW bandpass and dispersive filters, performance and appls. 2−1537
SAW devices with signal processing appls. 2−1534
SAW filter, design 2−20476
SAW filter attenuation in pass-band, reduction 2−9141
SAW IDT filters design, errors due to diffraction compensation 2−5880
single-mode fibre recirculating delay lines, filter response 2−25499
strip line bandpass filter with nonuniform-coupled transmission lines 2−24651
stripline bandpass filter, stepped coupled lines 2−9211
surface deformation Fourier analyser, filtering problems 2−3219
switched capacitor pseudo-N-path filter, appl. to bandpass and bandreject filters 2−24382
switched-capacitor band-pass filters, low-freq. design, sensitivity *(German)* 2−24602
switched-capacitor filters synthesis 2−8963
symmetric form filter, sensitivity charact. 2−19770
thin film microsystem, uniform, three-layer 2−19765
third-order active RC filters *(German)* 2−818

band structure
see also band structure of crystalline semiconductors and insulators; band theory models and calculation methods; Brillouin zones; conduction bands; degenerate semiconductors; electron energy states of amorphous solids; energy gap; Fermi surface; many-valley semiconductors; valence bands
No entries

band structure of crystalline semiconductors and insulators
see also conduction bands; energy gap; valence bands
II-V compounds, conf., Mogilany, Poland (Sept. 1980) 2−13161
IV-VI semiconductors, basic properties, evolving perspectives and unifying charact. 2−9468
narrow and wide gap materials, optical and electronic props., model based studies 2−14604
solar cell, band gap narrowing evaluation methodology based on measurements of emitter and base lifetimes and relaxation time 2−23463
$AgSbTe_2$, thermoelec. hole spectrum model of transport props. 2−14667
$B_{13}C_2$, electronic struct. and semicond. behaviour 2−25035
CdP_2-metal Schottky diodes, band struct., wavelength modulated photocond. and photoresponse meas. 2−15393
$Cd_xPb_{1-x}S$ (x=0.0625, 0.15625) superstructural thin film, props. 2−9478
$Ga_{1-x}Al_xSb$:Te, high field magnetotransport props. under hydro-static press., direct-indirect band transition 2−5571
GaAs, ballistic electron transport in nonparabolic band struct. 2−1174
GaAs, impact ionisation, band struct. depend. 2−24934
GaAs-$Al_xGa_{1-x}As$ superlattice, energy levels and cond. in appl. mag. field 2−5605
GaAs-$Al_xGa_{1-x}As$ superlattice, mag. quantisation and transport 2−14689
GaSb, electron transport and conduction band struct. 2−24963
Ge-Si, spectral distrib. of quantum yield *(Russian)* 2−1777
GeTe, thermoelec. hole spectrum model of transport props. 2−14667
InAs-GaSb superlattices in high magnetic fields, band struct., elec. and optical props. 2−14688
InGaAsP-InP DH laser, elec., threshold and temp. charact. analysis 2−1949
InSb, ballistic electron transport in nonparabolic band struct. 2−1174
$LiGaSe_2$ single cryst. growth and characterization 2−8792
MnO_2 electrodes, Li insertion stoichiometry 2−18420
MnO_2, variation of cond. with Li insertion 2−7979
MnTe, thermoelec. hole spectrum model of transport props. 2−14667
Si, impact ionisation, band struct. depend. 2−24934
p-Si, SCL current flow, hot holes and noise 2−24936
Si-SiO_2-Al structure, Fowler-Nordheim electron tunnelling 2−14710
ZnP_2-metal Schottky diodes, band struct., wavelength modulated photocond. and photoresponse meas. 2−15393
Zn_3P_2-metal Schottky diodes, band struct., wavelength modulated photocond. and photoresponse meas. 2−15393

band theory models and calculation methods
see also band model of magnetism; band structure; relativistic band structure calculations; tight-binding calculations
chalcogenide thin films, amorphous, high field short pulse behaviour, band model 2−5579

bandwidth compression
see also compandors; vocoders
adaptive delta modulated video signals 2−15939
asymmetrical speech waves compression and reconstruction 2−6417
black and white images, arithmetic coding 2−2374
constant area quantisation bandwidth compression scheme 2−15943
digital PAL video signals, for 34 Mbits/transmission 2−16542
digital video bandwidth compression using block truncation coding 2−15942
DPCM compression algorithm, appl. of pseudorandom noise 2−15938
facsimile, band compression based on multivalued logic *(Korean)* 2−6554
information channels, bandwidth requirements *(German)* 2−15880
interframe image coding, displacement meas. 2−15941
LPC, recursive windowing for generating autocorrelation coefficients 2−6405
pinned sine transform image coder 2−15934
pseudo quadrature mirror filters bank 2−26096
sequential digitized video imagery, bandwidth compression using block truncation cooling 2−2397
speech digitisation and compression, high quality speech process, review 2−26099
transform image coding, channel error recovery 2−15937
video transmission of American sign language and finger spelling, present and projected bandwidth requirements 2−21447

bang-bang control
see also on-off control
closedness, relaxation and bang-bang theorems *(French)* 2−13370
generation and system control via modern control theory 2−22852
power system model with two tie lines, optimal control strategies for transient stability improvements 2−27331

bank data processing
chip cards for funds transfer, identification and access control 2−9101
EFTS requirements for 'teleshopping' viewdata services 2−10826
electronic mail, Continental Illinois Bank system 2−16078
Italian banking system remote data processing developments *(Italian)* 2−16186
RRZ, regional online network *(German)* 2−21551
shared audio information system using new audio response unit 2−26279

banking (computing applications) *see bank data processing*

Bardeen-Cooper-Schrieffer theory *see BCS theory*

BARITT diodes
100 GHz solid-state devices for communications appls. 2−5364
operation for 100 GHz appls. 2−19874
Si m-n-p, elec. props. in 77-400K temp. and 9.5-10.7 GHz freq. ranges *(Russian)* 2−1342

Barkhausen effect
ferrites, polycrystalline; distrib. of amplitudes of magnetisation jumps *(Russian)* 2−15159
magnetoresistive sensors, Barkhausen noise 2−15234
$SmCo_5$ sintered mag. alloys, domain wall pinning and nucl., mag. viscosity obs. 2−15132

Barnett effect *see gyromagnetic effect; magnetisation*

barometers
battery-operated with digital indication *(German)* 2−7231
Si pressure sensor, used for battery operated barometer 2−22433

barrages *see dams*

barrel distortion *see aberrations*

barretters *see thermistors*

barrier injection transit-time diodes *see BARITT diodes*

BASIC
compactification of BASIC programs, example of Josephus problem in game theory 2−24068
FFT exponential factors *(French)* 2−13799
OSI microcomputer programs for network anal. *(German)* 2−651
switchgear electrodynamic forces calc. program *(Polish)* 2−18393

batch processing (industrial)
data capture in batch manufacturing, storage, retrieval *(French)* 2−22187
high-quality PCB manufacture, very large scale production factory, automated process control, batch capabilities 2−14474
PCB manufacture, complex formers and appls., effluent water treatment for separation of metal precipitates 2−14486
small batch manufacture, robotic arc welding appl. 2−4528

batteries *see cells (electric); primary cells; secondary cells; solar cells*

battery chargers
automatic charger for Ni-Cd batteries *(Spanish)* 2−18339
automatic charging current control cct. *(German)* 2−12723
battery charger, using controllable DC voltge, MAA 436 IC *(Czech)* 2−714
charging current regulation using μA710 comparator 2−7913
chopper-type circuit, mains supply *(German)* 2−23359
duplicate battery charging cct. for Yaesu FT-207 R transceiver 2−21747
electric vehicle, polyphase chopper cct. reducing ripple and EMI 2−7930
electric vehicle development projects in Australia 2−18733
hybrid, dual mode and tracked systems, conf., London, England (1981) 2−13165
integrator battery charge controller for spacecraft appls. 2−17512
polarity sensing circuit for NiCd battery chargers 2−12710
programmable power processor for high power spacecraft power systems 2−17514
sinusoidal line current circuits, transistor switching power calcs. *(German)* 2−23358
three-purpose unit of battery charger, DC/AC convertor and mains power supply *(German)* 2−8973
Ni-Cd cell recharging, automatic cct. for one-hour rate 2−28001

Bayard-Alpert gauges *see ionisation gauges*

Bayes methods
acceptance sampling by attributes, case studies 2−4727
approximations of Bayes and minimax risks and the lest favorable distribution 2−24070
Bayesian evaluation of inspectors in sensory tests 2−8282
Bernoulli trials, success probability shift detection procedures 2−4809
bivariate survival model based on exponential distribs., Bayes estimation 2−258
bootstrap and Bayes extended and unextended set compound rules, small N performance, classification between N(−1,1) and N(1,1) 2−19115
compound Weibull model, Bayesian predictions 2−4788
correct classification, expected probability 2−4769
empirical Bayes estimation of a distribution function with a gamma process prior 2−253
error probability, Bayesian, lower bound 2−13420
estimators of mean life, preposterior anal. 2−8472
frequency line tracker for US Navy passive tracking algorithm program, Bayesian approach 2−26557
growth curves in two-period change over models 2−24081
independent normal random variables sequence precision 2−4721
linear regression, robust Bayes and minimax Bayes estimation 2−276
matched proportions, Bayesian tests 2−8495
multinomial proportions, pseudo-Bayes estimation 2−4787
NADCON, ship solid gain AR autopilot, comparison with PID autopilot, disturbance estimation *(Japanese)* 2−2852
objective empirical distrib. function, error formulae 2−19119
populations, problem of selecting good populations 2−236
power systems under uncertainty, availability and reliability anal. 2−3723
regression model with autocorrelated errors, parameter changes 2−4796
reliability anal. methods examination 2−8304
sequential search of optimal dosage, linear regression with both parameters unknown 2−230
statistical estimate of the structure of multi-extremal problems 2−4911
Wald's sequential sampling technique, classification of inspectors by sensory tests 2−24005

bays (magnetic) *see geomagnetic variations*
BCS theory
No entries
beam choppers
No entries
beam-foil spectra
molecular ion beams from tandem accelerators 2−11701
C stripper foils made by DC glow discharge process, physical props. and structure 2−11744
^{23}Na, nuclear spin polarised beam prod. using optical pumping 2−17230
beam-foil spectroscopy
Au foil, $^{4}He^{+}$ energy straggling meas. by backscattering technique, foil nonuniformity correction 2−7278
beam handling equipment
see also particle beam diagnostics
achromatic isochronous reflector magnet, field mapping and ray tracing 2−3343
Antiproton Accumulator, magnet fabrication and structural design 2−7262
Antiproton Accumulator magnets, automatic measuring system 2−7263
CHEER RF system 2−17205
chromatic aberration electron monochromator 2−27014
cyclotron heavy-ion beam sweeping apparatus for uniform irradiation of samples 2−27011
cyclotron magnets, fast field mapping device 2−3251
Daresbury Synchrotron Radiation Source, multipole magnet design and testing 2−7261
DESY, beam lines and instruments for synchrotron radiation expts. 2−7255
DM2 solenoidal detector at DCI, realisation, main parameters 2−7260
electron beam circular scanning in dissector, parameters meas. using CRT 2−16899
electron beam device for extracting particles into longitudinal inhomogeneous plasma 2−11714
electron beam device for extracting particles into longitudinal inhomogeneous plasma 2−17208
electron beam exposure sytem, positioning stage driven by hydraulic cylinder 2−14522
electron monochromator, low-energy electrostatic lenses system 2−27015
electrostatic ellipsoidal mirror, fast separator for recoiling and highly charged particle 2−11869
electrostatic mass spectrometer, with time-of-flight detector 2−27004
electrostatic on-line collection system 2−10435
external beam proton microprobe, for materials anal. 2−27007
fast neutron collimation and shielding/ for radiotherapeutic purposes *(Japanese)* 2−3519
FN tandem accelerator, two-loop beam energy stabiliser 2−11743
head magnet for cancer therapy electron accel. 2−27020
heavy ion linear accelerator, resonant cavities, energy gain meas. 2−3339
high current relativistic electron accelerators, vacuum diodes, stability of operation 2−27016
high gradient pulsed proton beam accelerating equipment, 250 keV, design and testing *(Chinese)* 2−22467
high vacuum accelerator tubes, prebreakdown and breakdown processes, review 2−11733
inertial confinement heavy ion fusion, RF linac driver 2−11713
ion storage ring, electron cooling 2−17203
iris cavities, circularly symmetric EM fields theory 2−17214
Isabelle magnet tubes, choice of steel, low temp. mech. props. 2−11722
ISR axial field spectrometer magnet, polar coord. mag. field meas. system 2−3252
ISR low-β quadrupoles, protection and monitoring 2−3329
ISR superconducting quadrupoles, mag. meas. 2−7265
JAERI heavy ion tandem accelerator 2−11726
KEK superconducting solenoid and its cooling system for pulsed muon channel 2−7267
large aperture analysis magnet with Al coils 2−7300
LELA undulator design 2−11710
LEP, beam handling equipment and ring history *(Dutch)* 2−17206
LURE, Orsay, beam lines and new experiments 2−7256
MAGHILL program to compute saturated iron insert fields 2−3342
magnetic deflector systems for electron beam instruments, variety and classification *(Russian)* 2−2105
magnetic field design for a high energy physics detector 2−7286
MAX, beamline I modifications for synchrotron radiation research 2−7257
microprocessor-based beam sweep control unit 2−7254
multifilamentary A15 superconductors, development at Airco (USA) 2−9889
multiple beam electrostatic quadrupole focused linac, heavy ion fusion appls. 2−11686
multisegment ring magnet, multipole field calc. *(Chinese)* 2−22465
neutron polarisation, DC current spin-flip device 2−11709
NMR magnet regulator cct., search and lock regulation circuitry for accelerator bending magnets 2−11866
NSF, high gradient, high vacuum accelerator tube development 2−11734
Oak Ridge 25 MV tandem heavy ion accelerator, status report 2−11727
particle accelerator, pulsed magnet supercond. cable *(Chinese)* 2−12257
periodic accel. tube discharges investigation with capacitative pickup array 2−11737
pressured Pierce type high gradient accelerating tube, 250 keV, design and testing *(Chinese)* 2−22466
proton beam production and focusing in pinch-reflex diode 2−17209
proton microprobe beam line, with supercond. final lens, for Van de Graaff accelerator 2−27006
proton polarised beam line, 600 GeV, proposals 2−3344
PTB, synchrotron radiation facility 2−7258
rare earth Co permanent magnets, physical and optical props. 2−3320
Saclay NN polarised beam target expt., mag. system 2−7266
sector magnet for IPCR separated sector cyclotron 2−7259
sectorial electromagnet, mag. field inhomogeneity 2−17202
shielded beam channel septum magnet 2−3330
slit-stabilised electrostatic accelerators, automatic energy scanning system 2−27005
Stony Brook FN tandem operation 2−11730
superconducting magnets, appl. *(French)* 2−15277
superconducting magnets, end field multipoles, orbit effects 2−25465
superconducting magnets for high energy accelerators, harmonic meas. 2−3327
superconducting magnets for high energy accelerators 2−3331
beam handling equipment continued
surface muon beam at SIN 2−27008
synchrotron, matched race-track with quadrupole lenses 2−7248
tandem accelerator straight field tube, field pattern choice and optical characts. 2−11738
tandem accelerator tube leaking procedure using low voltage arc discharge 2−11735
TRIUMF, radiation hard septum magnet 2−3328
wiggler magnet, ST, for storage ring, design, construction, testing 2−22463
XTU tandem Van de Graaff accelerator, progress report 2−11725
Al anodised strip excitation coils for LEP magnets 2−7264
C, amorphous and graphitised foils, differences in stripper qualities 2−11746
C stripper foil behaviour in ^{127}I beam 2−11748
C stripper foils, radiation lifetimes and failure mechanisms 2−11745
C stripper foils comparative performance in Argonne FN tandem 2−11747
C stripper foils made by DC glow discharge process, physical props. and structure 2−11744
He atomic metastable beam, intensity control 2−27013
Li lens for high energy particle beams axially symmetric focusing 2−17201
Nb 500 MHz supercond. cavity, expts. at CERN 2−17204
Nb, elliptically shaped RF cavities, expt. and theoretical results 2−11707

beam handling techniques
see also mass spectroscopy; particle beam diagnostics; particle optics
accelerator theory 2−17218
antiproton prod. within fixed acceptance, optimisation and efficiency 2−22462
betatron electron energy control and stabilisation system 2−27010
bunched beam, head-tail instability induced by matched kicker magnet 2−3335
charged particle beam monochromatisation by laser in undulator *(Russian)* 2−17212
charged particle beams, post acceleration systems *(Russian)* 2−22469
charged particle differential collision terms in S_n appl. 2−22464
circular machines, chromatic aberration correction schemes 2−3316
CNEA 20UD tandem accelerator, microcomputer based communication system 2−11740
current limitation in an accelerator with variable-phase focusing 2−11719
diode, magnetically insulated, high-current ion flux generation 2−22468
dipole magnetic calc. for vel. filter SHIP and fusion expts. computer simulation 2−3432
electron cooling, principles and fundamental props., book contrib. 2−17217
electrostatic accelerator control systems developments 2−11739
electrostatic ellipsoidal mirror, fast separator for recoiling and highly charged particle 2−11869
electrostatic ion optics and beam transport for ion implantation 2−2091
EM isotope separator ion optics 2−2083
ETA gun characts. 2−3359
FN tandem accelerator, supercond. linear accelerator booster project status report 2−11732
FN tandem accelerator, two-loop beam energy stabiliser 2−11743
heavy ion beams, laser cooling 2−7268
heavy ion beams for ICF, space charge induced emittance growth 2−3323
heavy ion fusion, transverse emittance requirements 2−3322
Heidelberg proton microprobe using 6 MV tandem Van de Graaff accelerator 2−11702
high current ion implantation system, control techniques 2−1287
high intensity heavy ion sources, physics, chemistry and technology aspects 2−3350
in-situ implantation system in ANL HVEM-tandem facility 2−7253
inertail confinement fusion using light ion beams 2−11712
inertial confinement fusion, ion beam drivers 2−11711
ion accelerator facility for nuclear bombardment target prep. 2−7252
ion extraction optics, slot end effect 2−11761
ion implantation, beam optics design, overview 2−1283
JAERI heavy ion tandem accelerator 2−11726
JAERI magnetic spectrograph design for heavy-ion reaction studies 2−3430
LELA undulator design 2−11710
LEP, polarised electron/positron beam prospect survey 2−27009
light ion beam injector, electrically insulated, controlled beam focusing 2−3306
linear accelerator, single bunch electron beam radiation loss expt. obs. 2−7251
magnet optics, beam transport for ion implantation processes 2−2089
magnetic spectrograph ion-optical system, induced aberrations optimisation 2−3431
magnetic spectrograph SPES 4 for particle identification up to 4 GeV/c 2−11870
MAMI microtron, beam optics and magnet technology 2−7250
microprocessor-based beam sweep control unit 2−7254
multiple foil bremsstrahlung sources, theoretical and expt. studies 2−17207
Munich MP-tandem accelerator improvements 2−11729
negative-ion injectors, recuperator, expt. simulation 2−12938
neutron time-of-flight facility at Tohoku University cyclotron 2−3436
Oak Ridge 25 MV tandem heavy ion accelerator, status report 2−11727
optical beam, sequential estimation of position 2−7213
optical klystron description and physical mechanism 2−1828
particle acceleration in an HF field inhomogeneous over its cross section 2−11718
particle accelerators, beam optics design 2−3336
particle beam guidance systems design, ray optics and phase ellipse optics development 2−3315
permanent magnet quadrupoles, variable strength focusing 2−3321
proton-proton (antiproton) storage ring, amplitude growth 2−3326
pulse injected ions, RF quadrupole trapping 2−27012
Pulselac C inductive linear accelerator, space charge neutralised ion beam for inertial fusion 2−3324
Rehovot 14 UD Pelletron status report 2−11731
relativistic beam, high-current, waveguide buncher optimisation 2−17216
relativistic electron beam focusing in high-voltage diode, mag. fields observation 2−11720
relativistic particles, in mag. or electric sector fields, quadrupoles, transfer matrices 2−11708

beam handling techniques continued
Rutherford backscattering spectrometry, automatic beam alignment for channelling meas. 2−11875
second-order magnetic achromat, matrix element vanishing 2−10452
sector magnet, second order image aberration meas. 2−3317
SIMS beam optics 2−2082
Stony Brook FN tandem operation 2−11730
storage rings, electron cooling 2−3338
storage rings, nonlinear coherent effects between bunched colliding beam 2−3325
Strasbourg MP-10 accelerator upgrading 2−11724
superconducting magnets, end field multipoles, orbit effects 2−25465
surface muon beam at SIN 2−27008
synchrotron, multiturn beam extraction system 2−3340
synchrotrons, internal electron beam angular divergence reduction 2−3341
Tandar project, 20 MV electrostatic accelerator development 2−11728
tandem accelerator straight field tube, field pattern choice and optical characts. 2−11738
tandem beam bunching system, design consideration and present status 2−11741
tandem Dynamitron, intense low energy heavy ion beams 2−11771
tandem Van de Graaff accelerator pulsed beam 2−11742
TRANSOPTR, second order beam transport design code with optimisation and constraints 2−3318
TRANSPORT and TURTLE, high energy charged particle optics computer programs/ 2−3319
two-magnet doubly achromatic beam deflection system for electron linac beam 2−7249
Van de Graaff accelerator, bremsstrahlung characts. and particle trajectories in inclined field tubes 2−11736
VIVITRON, Strasbourg MP-10 electrostatic accelerator upgrading 2−11749
XTU tandem Van de Graaff accelerator, progress report 2−11725
He^+ bunched ion beam, generation and time compression 2−11760
Li lens for high energy particle beams axially symmetric focusing 2−17201
S, highly stripped ions prod. using dual MP tandem facility in accel-decel mode 2−11770
Sc filtered neutron beam using separated isotopes as secondary filter 2−11706

beam-lead devices
see also hybrid integrated circuits
94-GHz beam lead balanced mixer, design 2−9044
balanced mixer, 94 GHz, fabrication using fin line circuitry and beam-lead Schottky diodes 2−19869
MIC fabrication, Au selective electroplating, elimination of photoresist degradation, beam-lead devices 2−9228

bearings (machine) *see machine bearings*

behavioural sciences *see social and behavioural sciences*

behavioural sciences computing *see social and behavioural sciences computing*

bells
see also musical instruments
chime generator, three-tone, using SAB 0600 IC 2−14260
doorbell cct. for country house, optimal use, using MOSFET *(Italian)* 2−14259
doorchime, using SABO600IC harmonic tone generator 2−21996
electronic warbling tone door bu er, using 555 timer IC, 2N2646 unijunction transistor 2−849
phone bell tone changing device, using alarm tone generator, loudspeaker 2−16238
programmed door bell with nine chimes, using decade counter, timer ICs, loudspeaker 2−875
random doorbell tune selector, using CMOS switches 2−870
telephone bell repeater cct., using logic ICs, bipolar transistors 2−16229

bending
see also bending strength; buckling
fibre-optic microbending acoustooptic sensor design optimisation 2−1731
integrated optics, low-loss bends 2−15344
laminated shell structures, finite element analysis 2−13738
new process−electromagnetic forming *(Italian)* 2−28284
optical fibre waveguide, bent, optical characts. 2−20663
optical fibres, graded-index, mode coupling due to microbending 2−9972
optical fibres, single mode, microbending loss in a loose tube coating 2−1693
optical waveguide single microbend, insertion loss meas. using time-domain reflector 2−1709
optimum design of stiffened conical shells with natural frequency constraints 2−8772
plate bending finite element formulation 2−13653
symmetric linearised eigenvalue problems simultaneous inverse iteration 2−8661
thin elastic plates, appl. of theory of curved finite elements to boundary value problems 2−8756
Nb_3Sn multifilamentary superconductor, strain-scaling law, uniaxial and bending strains 2−5926

bending strength
fibre-optic flexible elements, resist. to mech. stimuli, ambient environment influence 2−10026
flexible PCB design rel. to flexural strength, optimisation, statistical evaluation 2−14392
mica flake integrated sheet/epoxy laminates, mech. and elec. props. 2−13860
porcelain enamelled steel PC boards, finite elements anal. of stresses and thermal flow 2−1041
sand, moulding and core, universal apparatus for strength meas. 2−19479

Bessel differential equation *see Bessel functions*

Bessel functions
approximation for cylindrical skin effect and lossy wave problems 2−171
Fourier-Bessel transform, fast calculation by dual algorithms 2−543
Galton-Watson process *(French)* 2−173
impulse response calculation, for certain bandlimited systems 2−8936
[in terms of] trigonometric and hyperbolic functions, formulas for computation of approx. values 2−24051
induction devices analysis, circular, cylindrical, LF, with helical windings 2−9254
nonclassical integrals of Bessel functions 2−4713
optical implementation of integral transforms with Bessel function kernels 2−26153

Bessel functions continued
summations class 2−13391
zeros of Bessel functions, rational minimax approx. 2−8415

beta-ray detection and measurement
see also beta-ray spectrometers; radioactivity measurement
Harshaw Model 2000D TL analyser system adapter 2−11973
MWPC with cathode coupled delay line read-out for DNA repair studies 2−22540
position sensitive proportional counter, for β-ray spectrometer 2−11792
radio-chromatographic TLC tests, linear analyser and Beta camera developments 2−3396
standard sources testing, systematic error estimation 2−17227
thermoluminescent dosimeter, LiF powder, deexcitation meas. instrument 2−11812
tritium concentration in tritium targets determ., by beta particles bremsstrahlung recording 2−11759
Ar-ethane (methane) mixtures props. in proportional counters 2−11782
Ge detectors, response to monoenergetic electron, positron and gamma ray beams 2−22479
T, real-time imaging by secondary electron emission detection 2−5512

beta-ray effects
see also electron beam effects
NMOS VLSI memories, β-radiation damage in hermetically sealed devices 2−15027

beta-ray scattering *see beta-ray effects; particle backscattering; potential scattering; transport processes*

beta-ray spectra
endpoint energy determ. using Ge detector 2−27039

beta-ray spectrometers
see also beta-ray spectra; electron spectrometers
focusing, position sensitive proportional counter appl. 2−11792

beta spectrometers *see beta-ray spectrometers*

betatrons
electron energy control and stabilisation system 2−27010
energy control system, D/A convertor design 2−11690
pulsed electron source for energies 1 to 6 MeV, based on betatron 2−17224
radiation therapy of malignant neoplasms, development trends, linear accelerator and betatron use *(Russian)* 2−22565
relativistic electrons, undulator radiation 2−22461
relativistic electrons in plane mag. undulator, polarisation angle props. of radiation 2−22460

bevatrons *see synchrotrons*

bicrystals
semiconductor, electronic response to illumination, surface effects 2−10116
Si, carrier recombination at grain boundaries 2−1154

biexcitons *see excitonic molecules*

bimetallic strips *see bimetals*

bimetallic wire *see bimetals*

bimetals
No entries

binary adders *see adders*

binary sequences
see also number theory; switching theory
decimal sequences of rational numbers 2−15838
digital code convertor, effect of buffer dividers on nonuniform binary pulse sequences *(Russian)* 2−5168
linear systems, fast calculation of impulse response without multiplications 2−2325
m-sequences, benchwork synchronisation 2−26072
pseudo-random bit sequence noise sources, using recirculating shift register 2−7114
pseudo-random byte generator 2−5190
pseudorandom noise code, spectrum of product signal of PN code and its time-shared dithered replica 2−10616
self-synchronizing pseudo-random bit error detector 2−10648

biocommunications
see also biocybernetics; hearing; learning systems; speech
No entries

biocontrol
see also biocommunications; biocybernetics
locomotor system control, functional electrical stimulation 2−17420
neural control prostheses, appls. in humans 2−17415
orthoses, single neuron recording from motor cortex and possible signal source 2−17416
prosthetic systems, closed-loop control, historical perspective 2−17413

biocybernetics
see also artificial intelligence; brain models; learning systems; man-machine systems; neural nets
artificial limbs, cybernetic prosthesis, historical development, current status and future prospects 2−22569
bionics, general discussion of applns. in surgery and medical research *(German)* 2−17324

bioelectric phenomena
see also bioelectric potentials; biomagnetism
admittance plethysmogrpahy, limb blood flow meas., evaluation of parallel conductor theory 2−22526
bacterial culture, growing, impedance meas. of soln., 2- and 4-electrode methods *(Japanese)* 2−27177
bacterial testing system, microcomputerised, simultaneous meas. of elec. impedance and turbidity *(Japanese)* 2−27116
bone, DC stimulation of non-unions 2−11955
cochlea, human, multiple-electrode implant array, current distrib. meas. 2−3495
computer interface for electrophysiological appls. 2−27178
conductimetry, non-contacting, for biological materials, theoretical investigation *(German)* 2−11922
dipalmitoyl phosphatidyl ethanolamine, charge transport in thin biological films grown by the Langmuir-Blodgett technique 2−5832
electrodes used in electrophysiological expts., Pt, PtIr and Ir-AIROF, comparison of impedances 2−27179
excited membranes, exptl. meas. of ionic permeability, electronic and computing subsystems *(Russian)* 2−27167
forearm musculature, paralysed, controlled prehension and release in quadriplegics by functional elec. stimulation 2−17393
grazing dynamics monitoring using multiple electrode impedance plethysmography system 2−27113

bioelectric phenomena continued
guarded-electrode medical technique, limitations 2−11941
impedance measurement, automated microcomputer system appl. 2−7180
impedance plethysmography, overview of theory and appls. 2−11943
membrane, kinetic ion current investig. during spike by potential clamping method *(Russian)* 2−27168
membrane patches, isolated, nerve and muscle cells, high-resolution current meas. 2−27173
neuromuscular system stimulation, elec. currents appl. 2−3505
neuron activity dynamics hardware-software complex, human brain appl. *(Russian)* 2−27170
neuron membranes computerised investig. of volt-amp and inactivation characts. of ionic channels *(Russian)* 2−27171
thoracic impedance measurement using differential impedance plethysmography 2−27182
transcutaneous electrostimulation, tissue equivalent circuit 2−17397

bioelectric potentials
see also contact potential; electrocardiography; electroencephalography
amplification by body pot. driving 2−27185
auditory brainstem responses, analogue and digital filtering 2−3501
auditory evoked response, wave I identification using an atraumatic ear canal electrode 2−11937
automated data processing in expt. electrophysiology *(Russian)* 2−27172
brain potentials, investig. of local field non-uniformities *(Russian)* 2−27169
brainstem auditory evoked pots., Bessel filtering 2−3489
brainstem auditory evoked pots., technical considerations, neonatal neurologic diagnosis appl. 2−3487
brainstem auditory evoked responses, fast meas. method using maximum length sequences 2−17391
brainstem evoked potential, appl. of Wiener filtering 2−11925
brainstem response audiometry, ear-canal rel. to mastoid electrode placement 2−11935
brainstem response audiometry, improved recording technique using a meatal electrode 2−11936
brainstem response audiometry, normative clinical data 2−11940
brainstem response audiometry, problems in analogue filtering 2−11939
digital image processing techniques *(Italian)* 2−17331
electro-oculography, eye movements meas., digital automatic circuit for over-range correction 2−27184
EMG, LF spectral anal. 2−11933
EMG pattern discriminator for artificial arm *(Japanese)* 2−27205
EMG preamplifier system for biomechanical studies 2−7330
EMG-reward system for biofeedback training of children, automated 2−17399
EMGs, processing for computer anal. 2−3496
evoked potential enhanced resolution, constrained deconvolution 2−17390
evoked potential research, appls. of filtering and pattern recognition in signal processing 2−22559
evoked potential research, signal processing, averaging and modelling 2−11923
evoked response, spectral analysis, prediction and extrapolation 2−17381
heart, action potential propagation meas., laser scanning system 2−22551
interval detector for bioelectric signals 2−3488
microcomputer based clinical evoked response system 2−7337
micropower filter for rejection of monophasic and biphasic artefact and noise 2−3497
myocardial infarction estimation from unipolar epicardial QRS pots. 2−11944
myoelectric signal, procedure for decomposition into constituent action pots. 2−27175
myoelectric signal, procedure for decomposition into constituent action pots. 2−27176
nerve signals evoked and recorded using surface electrodes, stimulus artifact 2−27174
neuromuscular bioelectric events, real time data acquisition and analysis using microcomputer system 2−17387
visual evoked potential testing, half-field pattern, sequential technique 2−3490

bioenergy conversion
coal-fueled central cogeneration, large biomass 2−17943
commercial and industrial biomass programme, Tennessee Valley Authority, USA 2−17822
electricity and some new energy sources *(French)* 2−22977
energy from wood, technical and economic viability, fouteen industrial case studies 2−3836
energy planning and economy in US *(Hungarian)* 2−18047
ethanol fuels from biomass projects 2−17821
fluidized bed biomass gasification 2−3821
forest biomass inventory, productivity and availability 2−17803
fuel cell power plant using methane-rich gas from anaerobic digestion of raw sewage, design, application and cost 2−12838
gasification of rice husk 2−17820
heat and power generating plant using biomass, development in Great Britain 2−7702
logging residues as energy source, feasibility study 2−7605
pilot biogas plant using agricultural waste, France *(French)* 2−18835
power generation from biomass fuels, potential in Dominican Republic 2−7602
transportation fuels from wood, production methods 2−4435
wood energy resource, availability, characts., conversion 2−22978
wood fuel processing methods, economic assessment 2−7604

biographical dictionaries *see biographies*

biographies
holography, Dennis Gabor memorial symposium, Haifa, Israel (Mar. 1980) 2−18850

biological cybernetics *see biocybernetics*

biological effects of gamma-rays
see also biomolecular effects of radiation; cellular effects of radiation
pancreatic cancer, radiotherapy, irrad. dose efficacy *(Russian)* 2−27198

biological effects of microwaves
see also biomolecular effects of radiation; cellular effects of radiation
animal study results overview *(French)* 2−27211
biogenic steroid at microwave frequencies, dielectric loss 2−11969
exposure limits, standardisation world's development trends 2−17425
exposure system, environmentally controlled, for irradiation of mice at frequencies below 500 MHz 2−22520
honey bee broods following exposure to 2.45 GHz continuous wave radiation, survival development and teratology 2−27209

biological effects of microwaves continued
honey bee colony, chronic exposure to 2.45 GHz continuous wave microwaves 2−27834
long-term exposure to radiation, review of possible hazards and effects 2−17438
microprocessor-based instrumentation to monitor microwave interactions with physiological activities 2−11891
network analyser, automatic, dual 6-port, for determ. of biological effects of RF and microwave radiation 2−26805
radiation from solar power satellites, biological effects and exposure standards 2−27208
radio and microwave frequency thermotherapy in cancerology *(French)* 2−27201
red blood cells, effect of high power microwave pulses, transmembrane thermal gradients 2−27210
resonant thin-wire antenna, thermal response of human in near zone 2−26039
solar power satellites, health and environmental risk evaluation 2−27825
thermal effects at macroscopic, cellular and molecular levels 2−17426

biological effects of radiation
see also biological effects of gamma-rays; biological effects of microwaves; biomolecular effects of radiation; cellular effects of radiation; dosimetry; radiation therapy
electromagnetic coupling between apertures and biological structures 2−22574
ELF EM fields and health risks from HV transmission lines 2−17428
EM radiation, possible dangers, acceptable levels, biological effects *(French)* 2−22575
laser diodes safety aspects, hazard identification 2−11975
monitoring and protection 2−27214

biological sciences *see biology*

biological techniques and instruments
see also biomedical equipment; biomedical measurement; microelectrodes; specimen preparation
acoustic input immittance meas. for human ear 2−17186
bacterial testing system, microcomputerised, simultaneous meas. of elec. impedance and turbidity *(Japanese)* 2−27116
Bessel filtering of brainstem auditory evoked pots. 2−3489
brain potentials, investig. of local field non-uniformities *(Russian)* 2−27169
catheter-tip and sidewall miniature press. sensors using Si diaphragm, fabrication 2−22238
cervical smears prescreening system decision tree optimisation 2−1126
computer interface for electrophysiological appls. 2−27178
conference, biomedical sciences instrumentation, Laramie, WY, USA (April 1981) 2−23887
contamination measurements with quadrupole mass spectrometer 2−22749
current flowing through isolated membrane patches, high-resolution meas. 2−27173
electrodes used in electrophysiological expts., Pt, PtIr and Ir-AIROF, comparison of impedances 2−27179
electron accelerator-based cancer therapy system, two-magnet doubly achromatic beam deflec-tion system 2−7249
electronic analogue for nerve cell teaching 2−8164
electrophysiology, exptl., automated data processing *(Russian)* 2−27172
EM movement detector for internal organs, use of circular planar coil 2−27148
EMG preamplifier system for biomechanical studies 2−7330
ESR spectroscopy, using computer-controlled high-speed data receiver-processor 2−11373
excited membranes, exptl. meas. of ionic permeability, electronic and computing subsystems *(Russian)* 2−27167
foetal heart rate monitoring in cattle and sheep using repeater telemetry methods 2−27114
force platform, instrumented, for postural sway studies 2−3455
grazing dynamics monitoring using multiple electrode impedance plethysmography system 2−27113
Heidelberg proton microprobe using 6 MV tandem Van de Graaff accelerator 2−11702
image processing from photodiode array, using variable-threshold digitiser 2−16918
impedance measurement, automated microcomputer system appl. 2−7180
impedance measurement of growing bacterial culture soln., 2- and 4-electrode methods *(Japanese)* 2−27177
ion chamber for neutron dosimetry, book 2−13143
laser application in photobiology and photomedicine, review 2−17410
laser applications in biology and medicine, overview 2−11890
laser Doppler velocimetry appl. 2−2059
laser light scattering, microprocessor anal., human sperm motility study apparatus 2−27149
laser scanning system for cardiac action potential propagation meas. 2−22551
LED dark adaptometer, microprocessor-controlled 2−27145
microcomputer-based data acquisition, display, and control system for vestibulo-spinal Hoffmann reflex experiments 2−11398
microprocessor-based instrumentation to monitor microwave interactions with physiological activities 2−11891
microscope-TV system, intravital, improvement by 1-bit correlator, microvascular blood flowmetry appl. *(Japanese)* 2−27139
microwave diathermy, anal. of minimally perturbing temp. probe and thermographic meas. 2−27131
microwave exposure system, environmentally controlled, for irradiation of mice at frequencies below 500 MHz 2−22520
microwave imaging using algebraic reconstruction technique, sensitivity and resolution 2−17370
muscle mechanics, simple digital instrument for time meas. 2−11634
MWPC with cathode coupled delay line read-out for DNA repair studies 2−22540
network analyser, automatic, dual 6-port, for determ. of biological effects of RF and microwave radiation 2−26805
neuron membranes computerised investig. of volt-amp and inactivation characts. of ionic channels *(Russian)* 2−27171
oscillographic intensification system, multichannel z-modulation, for improving the contrast of photographed neurophysiological signals 2−11521
physiological parameters measurement systems 2−7310
piezoceramic transducer matrix system, computer-controlled for presentation to the skin of complex spatiotemporal patterns 2−26710
potential clamping method, membrane kinetic ion current during spike appl. *(Russian)* 2−27168

biological techniques and instruments continued
radiotelemetry and Remler recorder meas. in arterial blood press. monitoring 2−22522
radiotelemetry of direct blood press. meas. in the arterial and pulmonary circulation 2−22536
RF permittivity meas. of biological tissues with open-ended coaxial lines 2−22541
RF permittivity meas. of biological tissues with open-ended coaxial lines 2−22542
S-band waveguide technique for the calibration of miniature implantable electric-field probes for use in microwave-bioeffects studies 2−22543
SEM and optical macroscope techniques combination 2−4666
signal processing in evoked potential research, appls. of filtering and pattern recognition 2−22559
signal processor for real-time meas. in neurophysiology 2−6450
solid-state computer-controlled system for swept-freq. meas. of dielectric props. at microwave frequencies 2−22064
spectrometer for laser-light scatt. meas. of macromol. and subcellular particle motions 2−27144
SQUID, flat DC thin film, appl. and technique for biomag. meas. 2−11895
submersible fluorimeter for chlorophyll detection 2−22733
telemetry of left ventricular press. of conscious dogs 2−22537
tracking of Florida manatee, automated remote tracking system config. 2−27112
TV monitored system for recording open-field activity in the rat 2−21985
ultrasonic auditory stimulator 2−22762
visual grating displays, computer-controlled function generator 2−26772

biology
see also biological techniques and instruments; biophysics; blood; cardiology; ecology; medicine; physiology
biomedical data, statistical variability, serial correlation on power estimates and on comparative testing of samples influence 2−274
birthless death migration stochastic model 2−13481
cellular surfaces, diffusion model for patch formation 2−8403
clone age determ. from geographical distrib. characteristics 2−8535
distribution-moment approximation for kinetic theories of muscular contraction 2−13778
facilitated diffusion equations 2−4964
nerve membrane model with K conductance component, fixing behaviour 2−13408
on multitype branching processes in a random environment 2−4758
sex anal. in random environments 2−4757
spatial infection models, waveforms and velocities 2−8533
spherical cap, first eigenvalue 2−8404
stochastic epidemic, simpler proofs of two threshold theorems 2−8534
structural equivalence of linear systems and compartmental models 2−13407
tumor growth, two-dimensional invasion process, nonasymptotic behaviour 2−8536
yeast cell growth modelling using stochastic branching processes 2−24104

biology computing
see also computerised instrumentation; computerised signal processing
cardiotachometer using KIM-1 single board computer 2−17349
electromagnetic coupling between apertures and biological structures 2−22574
sperm motility study apparatus, microprocessor anal. of scatt. laser light 2−27149

biomagnetism
malarial parasite concentration, bench top mag. separator 2−17334
physiotherapy department equipment, LF magnetotherapy 2−11952
SQUID, flat DC thin film, appl. and technique for biomag. meas. 2−11895
SQUID magnetometer appl., using Nb thin-film microbridge 2−17016
SQUID magnetometer detection of magnetocardiogram, clinical magnetocardiology approach *(Japanese)* 2−11901

biomass conversion *see bioenergy conversion*

biomedical applications of computing *see medical computing*

biomedical electronics
see also electrocardiography; electroencephalography; microelectrodes; patient monitoring; patient treatment; prosthetics; sensory aids
aids for the disabled, electrical and electronic devices using Braille displays and speech synthesizers *(German)* 2−26339
airborne hospital equipment, EMC program 2−21161
amplification of biosignals by body pot. driving 2−27185
analog tracking filter for a swept-sine human vibration test 2−22532
arterial pulse shape detection, using CW radar circuitry 2−27122
bionics, general discussion of applns. in surgery and medical research *(German)* 2−17324
bullet detector, based on eddy current detection 2−11917
capacitive pressure transducer, designed into chip for biomedical appl. 2−11889
cochlear prosthesis thin-film multielectrode arrays 2−22570
digital counting circuit for low frequency rate meter 2−7311
ECG standard-patient belt using flexible PCB's 2−11930
electrical engineering in medicine, prospectives *(Slovenian)* 2−27106
eye movements meas. by electro-oculography, digital automatic circuit for over-range correction 2−27184
foetal bradicardias automatic diagnosis, using autocorrelation function 2−11931
heart-rate telemetry, short-distance, capactive, sports and health care appl. 2−11948
heartbeat monitor, using IR sensor, skin refl. change detect. 2−3468
HP model 47210A capnometer for CO_2 analysis 2−17351
ICs, in medical applications 2−22521
IR CO_2 sensor, calibration 2−16976
magnetic field generator, amplitude and phase regulating, for an eye movement monitor 2−27137
negative ion generator cct., claimed to alleviate some medical conditions 2−17401
neural prostheses and microelectronics 2−17414
peak-detector circuit for physiological signals US appl. 2−27150
photoelectric semiconductor transducer, temp. effects and their elimination, reflection-photoplethysmography appl. 2−1798
potentiometers, precision, single- or multiple-winding, various types, applications *(Swedish)* 2−24732
radiography, electronic, in X-ray diagnosis during surgical procedures, dose reduction 2−3464
radiography, electronic layer picture *(German)* 2−7320

biomedical electronics continued
RC filter vs. integrator data collection circuits for computerised tomography 2−27140
review of development *(Finnish)* 2−17321
rhythmic speech control system, electronic circuits *(Spanish)* 2−27197
simulator for human maximal expiratory flow-vol. curve 2−11887
SQUID magnetometer, using Nb thin-film microbridge, biomagnetic appl. 2−17016
tomographic system for tomofluoroscopy 2−3465
US pulse echo instrumentation, FET spike pulse generator 2−11907
Si ICs, blood compatibility of components and materials 2−7343
Ti as construction material in biomedical electronics *(Czech)* 2−27107

biomedical engineering
see also biomedical electronics; biomedical equipment; orthotics; patient treatment; prosthetics; sensory aids
anaesthesiology, clinical engineering role 2−17327
clinical engineering, participation in research activities 2−17328
clinical engineering assessment of human factors hazards in the use of medical equipment 2−17444
coherent optics and holography appl., review 2−22518
computer aided instruction for clinical engineering education 2−17326
conference, biomedical sciences instrumentation, Laramie, WY, USA (April 1981) 2−23887
developments in health engineering 2−22519
education, risks of misuse of technical language 2−17322
energy conservation at 148 bed general hospital 2−17443
frontiers of engng. in health care, conf., New York, USA (Sept. 1981) 2−8143
ground integrity testing, problems, hospital appl. 2−3524
health care engineering organisations, management model 2−11978
hospital installations power supplies and back-up sources in case of failure 2−27443
hospital installations protective measures 2−27222
hospitals, the risk of elec. shocks, review 2−3523

biomedical equipment
see also biomedical electronics; biomedical measurement; orthotics; prosthetics; radiography; radioisotope scanning and imaging; sensory aids
Achilles tendon reflex meas., microprocessor-based instrument 2−11898
anaesthesiological measures in operating theatre, range of diagnostic, therapeutic equipment 2−17396
angiographic experimental digital subtraction unit, imaging capability 2−3481
arrhythmia monitoring system, computerised dynamic 3D joint interval histogram display 2−27180
artificial mastoid instrument for bone-conduction receiver calibration over extended freq. range 2−17348
audiometers, bone-conduction, calibration survey 2−17339
biofeedback devices. selective applications in mental health care 2−27194
blood analyser, PHA-1 programmed automatic unit 2−3458
breath-controller for bronchial inhalation challenge testing 2−17329
bullet detector, based on eddy current detection 2−11917
camera, rotating laminar emission, with Ge-detector, anal. 2−22547
camera, rotating laminar emission, with Ge-detector, expt. results 2−22546
cardiac electrophysiology instrumentation, microcomputer based data acquisition systems 2−11946
cardiac stimulator, for investigating atrial and ventricular vulnerability *(German)* 2−11921
cardiological service, instrumentation for resuscitation and intensive care departments 2−11951
cardiopulmonary data-acquisition system, computerised control of stress rates 2−3459
cardiotachometer, microprocessor-based, heart rate meas. in rest or exercise stress testing 2−3500
cardiotachometer using KIM-1 single board computer 2−17349
cerebrospinal fluid, instrumentation for hydrodynamic studies in man 2−27120
chemical instrumentation for clinical labs. *(Italian)* 2−17330
clinical engineering assessment of human factors hazards in the use of medical equipment 2−17444
collimators and X-ray generators, semi-automatic and automatic, operational characts., Medicor works 2−17369
communication aids for the severely physically disabled, design considerations 2−11953
computerised tomography, performance characts. of 7-pinhole system 2−27126
computerised tomography scanner, film-recorded, low-cost 2−3482
computerised tomography scanner principles, reconstruction technique and detectors *(Japanese)* 2−11904
computerized system for determ. of reaction time, movement time and movement accuracy 2−3493
conference, biomedical sciences instrumentation, Laramie, WY, USA (April 1981) 2−23887
corneoscleral coagulator based on Yb-Er:glass laser 2−27199
cycle-ergometer, computer-controlled, for generating dynamic work rate stimulus 2−3454
cyclotron, design for a multiple target system 2−3450
DC ocular rheography, microprocessor-controlled differentiator for signal processing 2−11927
dialyser, for rapid intermittent peritoneal dialysis 2−22564
diathermy and cautery equipment, review 2−11949
digital vascular imaging system 2−3475
displacement cardiograph including a device sensitive to torso resistivity variations, phys. principles 2−3469
driving simulator for objective evaluations of physically handicapped drivers 2−17325
dual tomographic scanner, image intensity settings 2−7316
ECG, optimal QRS detector 2−17392
ECG recorder design, portable powerline-operated, student-faculty project 2−27189
ECG recorders of the Holter type, continuously worn machines, review *(French)* 2−7332
EEG equipment test device 2−27187
electrode for CO_2 meas., heated and nonheated, design 2−22528
electrodes, surface, movement-induced pots., ECG recording appl. 2−27181
electron accelerator-based cancer therapy system, two-magnet doubly achromatic beam deflection system 2−7249
EM flowmeter, effect of blood vessels on sensitivity 2−27152

biomedical equipment continued
EM noninvasive flowmetry of blood flow rate, principles, math. models, instrumentation and methods 2−11942
EMG-reward system for biofeedback training of children, automated 2−17399
emission tomograph for noninvasive meas. of brain blood perfusion 2−17378
encephalovolumeter, noninvasive meas. of changes in brain volume of cerebral pulsation 2−22529
endoscope, flexible, controlling mechanisms 2−11903
environmental control system, low-cost, for quadriplegics 2−22563
enzyme electrodes as practical biosensors 2−17336
expiration characts. meas. and calc., using microprocessor-based analyser *(Bulgarian)* 2−3453
fast neutron collimation and shielding/ for radiotherapeutic purposes *(Japanese)* 2−3519
feet position during human locomotion, monitoring system 2−11886
fibre optic sensors for medical and electrotech. appls. using bifurcated fibre bundles 2−6031
finger arthrograph for the quantification of joint stiffness 2−17333
fluoroscopic X-ray systems, added quality control meas. 2−17374
foetal breathing monitoring, new phase-lock tracking instrument 2−27142
foetal ECG analysis, microprocessor-based signal averager 2−27186
force platform, instrumented, for postural sway studies 2−3455
gamma camera, BRH test pattern for evaluation 2−3472
gamma camera data anal. systems, evaluation of count rate losses due to dead time 2−22534
gamma-ray image intensifier camera, peformance study 2−17354
Gammacamera, Toshiba mobile model GCA-50A, diagnostic appls., operation 2−17376
gastrointenstinal X-ray exam. unit, Medicor works 2−17368
goniometer, discrete step, for elbow movement meas. 2−17332
head magnet for cancer therapy electron accel. 2−27020
helium cryogenic plant for biomedical research 2−11977
Hewlett Packard's 47210A capnometer, calibration and performance verification 2−17352
Holter monitoring, review 2−7335
HP model 4700A Page Writer Cardiography 2−11926
HP model 47210A capnometer for CO_2 analysis 2−17351
human digital arteries, noninevasive pulsed Doppler blood blood vel. meas. and calc. flow 2−17335
ICs, in medical applications 2−22521
imaging systems today and tomorrow, review 2−3463
injector pulse counter for a linear accelerator 2−27089
integrated monitors for neonatal intensive care, review 2−3504
international safety standards 2−22517
international standards and safety status, trends and evaluation 2−27110
interval detector for bioelectric signals 2−3488
intracranial pressure, microprocessor-based monitoring and trending system 2−7312
intracranial pressure recording, microprocessor based analyser 2−27124
intraocular pressure, instrument for self-meas. using optoelectronic probe 2−27136
ion chamber for neutron dosimetry, book 2−13143
ionisation chambers, fast neutron beam dosimetry physics group experiences in USA, book contrib. 2−17441
isodose curve tracer, behaviour anal. and expt. check 2−11971
laser coagulation equipment for endoscopic haemostatis in gastro-intestinal tract for skin vascular anomalies treatment 2−7340
laser scanner microscope, ultrafast, for digital image anal., cytology appl. 2−27133
LEYTAS, use in analytical and quantitative cytology 2−27134
light torch for the transillumination of female breast tissues 2−27125
limb movement monitoring, US microprocessor-based system 2−17360
magnetic susceptibility measurements using biomedical SQUID system 2−22369
maintenance of electromedical equipment in India 2−13236
malarial parasite concentration, bench top mag. separator 2−17334
mass spectrometer, modified ion-source cage 2−11899
Maximus TM 100: a generator with fast dose-rate control 2−3477
microcomputer-based, lab for course 2−13201
microprocessor based environmental control system for a severely limited quadriplegic 2−17402
microwave diathermy applicators, evaluation using free space elec. field napping 2−11958
microwave radiometer for medical use, automatic E-H tuner 2−17350
miniature step motor for CO_2 sensor 2−18281
movement detector using closed-circuit TV 2−11900
multicounter with buffered output, cerebral blood flow meas. appl. 2−16885
multiprocessor architecture for rapid EEG frequency analysis 2−22562
neuromuscular blockade monitor, microprocessor-based 2−11885
neutron dosimetry, experience with ionisation chamber by ECNEU group, book contrib. 2−17442
NMR flowmeter for blood flow meas. in human legs 2−11912
noise problems in biomedical instrumentation 2−3449
nuclear medicine imaging with semiconductor gamma cameras 2−27154
ophthalmoscope, Stereo 110, of Jena optical works, simultaneous stereo photography 2−7314
ophthalmoscope, Stereo 110 and RETINOPHOT 211, use of colour filters 2−7315
oscilloscope, digital variable persistence, γ-camera appl. 2−11902
pacemaker analysis, improved instrument based on charge-coupled device 2−27204
patient monitoring systems: criteria for evaluation and selection 2−22527
photoluminescent thermometer based on Eu activated CaS phosphor, medical appl. 2−22423
physiological parameters measurement systems 2−7310
physiotherapy department equipment 2−11952
piezoresistive type flow-through transducer 2−11888
plexiglas helmet for location of EEG scalp electrodes in spherical coords. 2−17382
Polyphos 300, medium-freq. X-ray generator 2−3466
positron emission systems using time-difference information meas., image reconstruction technique 2−27158
positron emission tomography, detectors, shielding, sampling, electronics 2−27155
positron emitters on-line radioassay of clinical sources 2−27029
proton linac, 500 μA, 70 MeV, for medical radioisotope prod. 2−27001
radiation therapy of malignant neoplasms, development trends *(Russian)* 2−22565
biomedical equipment continued
radiographic digital devices, appl. to blood vessel diameter and I conc. estimation 2−3478
radiography, performance of automatic exposure controls when used with rare-earth intensifying screens 2−17373
radioisotope cameras, view distortion introduced by multiformat imagers 2−3479
radiopharmaceuticals, automatic dispenser and preparation units 2−27156
radiotherapy, ^{60}Co unit for large field irrad. 2−22567
radiotherapy planning, patient beam positioning system using CT images 2−27153
radiothermograph, meas. of intrinsic microwave radiation from human body 2−22550
recorder's lower 3 db point, simple technique for determ. 2−7308
respiratory deadspace, apparatus for automatic assessment 2−27118
respiratory signals, microprocessor based data acquisition 2−17337
RF hyperthermia, practical system 2−3503
RF surgery equipment, appls., technical possibilites and safeguarding problems *(German)* 2−27193
RF surgery equipment, appls. and technical scope, safety problems *(German)* 2−17394
RF surgery equipment, review of hazards 2−11950
risk of electrical danger in medicine, conf. RELMED 1981 2−27121
saccadic eye movement disorders, quantitative evaluation, computerized system 2−27115
scintillation camera, collimator and detector response comparison 2−27151
sensor for noninvasive CO_2 monitoring 2−3456
sensory-motor reaction time measurement for performance anal. using apparatus with embedded microcomputer systems *(Japanese)* 2−27123
Sinuscan, instrument for maxillary and frontal sinusitis detect. 2−27127
SQUID, flat DC thin film, appl. and technique for biomag. meas. 2−11895
SQUID magnetometer, 7-channel, for brain research 2−22531
SQUID magnetometer, using Nb thin-film microbridge, biomagnetic appl. 2−17016
SQUID magnetometer detection of magnetocardiogram, clinical magnetocardiology approach *(Japanese)* 2−11901
stabilometer, instrumented, for dynamic balance studies 2−27117
superconducting Pion Facility for medical application 2−3507
surgical diathermy, principles, hazards and safety counter measures 2−27196
surgical pathology, new instrument 2−27164
teletherapy machines, ^{60}Co and high-energy, use of FBX dosimeter for calibration 2−27218
teletherapy-beam symmetry stability rel. to gantry angle 2−3509
thermometer arrays, thin, linear, for use in localised cancer hyperthermia 2−22525
tissue-equivalent organic liq. scintillator, miniaturised, for fast-neutron spectrometry 2−22548
TV application, present development state and future prospects *(German)* 2−7319
TV-computer system for automated reading of the multipoint inoculated antibiotic sensitivity test 2−3473
ultrasound multiplexed Doppler microcomputer combination as noninvasive blood flowmeter 2−27160
urologic X-ray equipment range, Medicor works 2−17367
US B-scan Doppler imaging system for scanning peripheral anatomy 2−27157
US biomedical transducers, multiple scatt. contribution to observed backscattered intensity 2−22533
US diagnostic instrument types for use in different medical fields 2−11893
US Doppler unit, intersecting zone, blood flow detect. 2−22553
US instrument for organ multi-dimension meas. 2−27159
US multichannel pulsed Doppler blood flowmeter, minicomputer-based 2−11918
US transducers, design using new piezoelec. ceramic materials 2−3483
US transducers, elec. excitation for short pulse generation 2−3484
US transducers, wideband, opto-acoustic and acousto-elec., atherosclerosis appl. 2−12114
UV wide-band monitor, dermatology monochromators output meas. 2−3521
vision testing, the LAIR dark adaptometer, solid-state apparatus 2−7323
visual field examination, instrument for monitoring eye fixation and pupil size 2−27143
wheelchair, microcomputer controlled omnidirectional mechanism 2−17403
wheelchair, powered, proportional speed pneumatic control system with automatic speed control 2−17404
X-ray computed tomography, imaging, image reconstruction and equipment, review *(Japanese)* 2−11896
X-ray generator development trends 2−17365
X-ray image transmission system, qualifying measurements in the Medicor works 2−17364
X-ray microscope of living tissue, focusing system *(French)* 2−17371
X-ray transformer design and anal. 2−17323
X-ray tube, revolving anode, with a microburn trace *(German)* 2−7321
X-ray TV system, resolution and transmission problems 2−17366
CdTe detectors, portable, appl. to meas. of external ^{51}Cr-EDTA clearance 2−27138

biomedical measurement
see also biological techniques and instruments; biomedical equipment; electrocardiography; electroencephalography; radiography; X-ray apparatus
ambulatory patients, assessment of circadian rhythm of blood press. and heart rate 2−22539
auditory evoked response, wave I identification using an atraumatic ear canal electrode 2−11937
blood, US CW flow metering principles and appl. to peripheral arterial system study *(Italian)* 2−27318
blood flow, regional cerebral, meas. using NMR flowmeter focusing techniques 2−11914
blood flow in common carotid artery, transcutaneous meas. using US 2−22552
blood flow measurement in human legs using NMR noninvasive flowmeter 2−11912
blood flow rate, EM noninvasive flowmetry, principles, math. models, instrumentation and methods 2−11942
blood pressure, direct meas., radiotelemetry 2−22535

biomedical measurement continued
blood pressure, radiotelemetry and standard exercise tests 2−22538
blood pressure indirect measurement with two-probe US system *(German)* 2−11892
blood velocity measurement by fibre optic laser Doppler anemometry 2−27135
brainstem auditory evoked responses, fast meas. method using maximum length sequences 2−17391
brainstem evoked response audiometry, technical aspects of stimulation, recording and signal processing 2−11934
brainstem response audiometry, ear-canal rel. to mastoid electrode placement 2−11935
brainstem response audiometry, improved recording technique using a meatal electrode 2−11936
brainstem response audiometry, normative clinical data 2−11940
brainstem response audiometry, problems in analogue filtering 2−11939
brainstem response audiometry, waveform variation anal., FFT and inverse FFT appl. 2−11938
capacitive pressure transducer, designed into chip for biomedical appl. 2−11889
cardiac activity, human, at apex region, laser speckle interferometric obs. 2−3462
cardiotachometer, microprocessor-based, heart rate meas. in rest or exercise stress testing 2−3500
carotid artery flow, transcutaneous meas. by US volume flowmeter 2−11913
catheter-tip and sidewall miniature press. sensors using Si diaphragm, fabrication 2−22238
conductimetry, non-contacting, for biological materials, theoretical investigation *(German)* 2−11922
contactile events in cardiac and skeletal muscles, non-invasive meas., birefringence changes obs. 2−11947
DC ocular rheography, microprocessor-controlled differentiator for signal processing 2−11927
defibrillator analyser, microprocessor-based, precision calibrator and tester appl. 2−11968
diagnostic X-ray backscatter measurement by an ion chamber method 2−27141
electronic and electrical meas. and test instruments, conf., Ottawa, Canada (Sept. 1981) 2−11367
EM flowmeter, effect of blood vessels on sensitivity 2−27152
emission tomograph for noninvasive meas. of brain blood perfusion 2−17378
expiration characts. meas. and calc., using microprocessor-based analyser *(Bulgarian)* 2−3453
eye monitoring and calibration algorithm 2−3451
eye monitoring system using IR corneal reflection 2−3452
eye movements meas. by electro-oculography digital automatic circuit for over-range correction 2−27184
gait analysis, three dimens., using simple and inexpensive data acquisition 2−11915
guarded-electrode medical technique, limitations 2−11941
impedance plethysmography, overview of theory and appls. 2−11943
intracranial pressure, batteryless on-demand-sampling active radiosonde 2−11897
intracranial pressure recording, microprocessor based analyser 2−27124
intraocular pressure, instrument for self-meas. using optoelectronic probe 2−27136
laser application in photobiology and photomedicine, review 2−17410
linear prediction applied to medical signals 2−17341
microcomputer based measurement in clinical medicine 2−17340
motion analysis and nerve stimulators *(Swedish)* 2−27203
motor neuron refractory period and subnormal conduction in man, noninvasive computerised meas. 2−3492
nerve signals evoked and recorded using surface electrodes, stimulus artifact 2−27174
noise and biological signals 2−17343
opthalmic instruments, TV appl. *(Japanese)* 2−17358
optical fibre technique for He-Ne laser screening of the human body 2−27146
organ multi-dimension meas. using US instrument 2−27159
photo-optical gait recording technique 2−17347
risk of electrical danger in medicine, conf. RELMED 1981 2−27121
scintillation counting, liq., sample preparation problems identification and solution 2−3398
scoliosis evaluation utilising truncal cross-sections, laser scanning 2−27147
sensory-motor reaction time measurement for performance anal. using apparatus with embedded microcomputer systems *(Japanese)* 2−27123
signal processor for real-time meas. in neurophysiology 2−6450
signal variability, nature, extent and origins 2−17342
spine vibration test, swept-sine, using analogue tracking filter 2−22532
temperature, thin linear thermometer arrays for use in localized cancer hyperthermia 2−22525
thoracic impedance measurement using differential impedance plethysmography 2−27182
US plethysmograph, microprocessor-controlled, limb cross-section area meas. 2−3480
visual aids, TV system for assessing visual performance 2−3460
visual evoked potential testing, half-field pattern, sequential technique 2−3490
CdTe detectors, portable, appl. to meas. of external ^{51}Cr-EDTA clearance 2−27138

biomedical phenomena
see also biomagnetism
No entries

biomedical ultrasonics
B-scan Doppler imaging system for scanning peripheral anatomy 2−27157
B-scan images, resolution enhancement by deconvolution 2−27132
blood flow detect. by intersecting zone Doppler unit 2−22553
blood flow in common carotid artery, transcutaneous meas. using US 2−22552
blood flowmeter, Doppler, minicomputer-based, with multichannel data acquisition 2−11918
blood flowmeters using Doppler effect *(Spanish)* 2−7322
blood pressure indirect measurement with two-probe US system *(German)* 2−11892
bloodflow meas., simulation study and theoretical comparison of various processing techniques 2−11910
compound scanning with an electrically steered beam 2−11911

biomedical ultrasonics continued
computer reconstruction techniques in compound scan pulse-echo imaging 2−11908
computerised tomography, US, for medical investigations *(Swedish)* 2−27129
computerised tomography *(Japanese)* 2−17357
conference, biomedical sciences instrumentation, Laramie, WY, USA (April 1981) 2−23887
conical US radiators for medical imaging, acoustic field calc. 2−27313
diagnostic instrument types for use in different medical fields 2−11893
echotomographic technique, fundamentals *(Italian)* 2−17344
equipment design for clinical appl. *(Japanese)* 2−17356
flow metering principles, CW, and appl. to peripheral arterial system study *(Italian)* 2−27318
flowmeter, transcutaneous meas. of carotid artery volume flow 2−11913
foetal breathing monitoring, new phase-lock tracking instrument 2−27142
limb movement monitoring, US microprocessor-based system 2−17360
multiplexed ultrasound Doppler-microcomputer combination as noninvasive blood flowmeter 2−27160
organ multi-dimension meas. using US instrument 2−27159
patient locating system for cardiological clinic *(Dutch)* 2−7339
peak-detector circuit for physiological signals 2−27150
physiotherapy department equipment, US source prod. 2−11952
plethysmograph, microprocessor-controlled, limb cross-section area meas. 2−3480
pulse echo instrumentation, FET spike pulse generator 2−11907
pulse-echo diagnostics, simulation model for echo patterns 2−11906
pulse-echo imaging system, speckle characts. of image 2−11905
review of medical imaging methods 2−17345
Sinuscan, instrument for maxillary and frontal sinusitis detect. 2−27127
textural variations in B-mode ultrasonography, a stochastic model 2−12118
tomography reconstruction using transducer arrays, acoustical fan beam meas. 2−7313
transducers, design using new piezoelec. ceramic materials 2−3483
transducers, elec. excitation for short pulse generation 2−3484
transducers, wideband, opto-acoustic and acousto-elec., atheroscleros is appl. 2−12114
transkull visualisation, description of instrumentation 2−17353
ultrasound imaging techniques *(Japanese)* 2−17355
US biomedical transducers, multiple scatt. contribution to observed backscattered intensity 2−22533
US CW Doppler FHR signals, meas., extraction and processing *(Chinese)* 2−7463
vortex characterisation and identification by Doppler ultrasound 2−11909
wide-band reflection-mode US attenuation imaging system, preliminary results 2−17613
Pb(Zr,Ti)O_3-polymer composite, high freq. appl. 2−22755

biomembrane transport
see also osmosis
excited membranes, exptl. meas. of ionic permeability, electronic and computing subsystems *(Russian)* 2−27167
kinetic ion current investig. during spike by potential clamping method *(Russian)* 2−27168
neuron membranes computerised investig. of volt-amp and inactivation characts. of ionic channels *(Russian)* 2−27171
patches, isolated, nerve and muscle cells, high-resolution current meas. 2−27173

biomolecular effects of radiation
see also biological effects of .... (type of radiation)
see also photosynthesis
microwaves and radio waves thermal effects and exposure limits 2−17426

bionics *see biocybernetics*

biophysics
see also aerospace biophysics; cardiology; hearing; speech; vision
EM energy absorption in man, empirical relationship for near-field exposure conditions 2−11970

Biot-Savart law *see electromagnetism*

biothermics
animal study results overview *(French)* 2−27211
blood circulation apparatus, extracorporeal thermoelec. temp. control devices 2−17398
cancer therapy by hyperthermia, EM techniques appl. 2−17408
hyperthermia by EM heating of deep-seated tumours 2−22566
microwave diathermy, anal. of minimally perturbing temp. probe and thermographic meas. 2−27131
microwave diathermy applicators, evaluation using free space elec. field napping 2−11958
microwave-induced hyperthermia in cancer treatment, use of thinned cylindrical antenna array 2−27202
microwaves and radio waves thermal effects and exposure limits 2−17426
radio and microwave frequency thermotherapy in cancerology *(French)* 2−27201
radiothermograph, meas. of intrinsic microwave radiation from human body 2−22550
red blood cells, effect of high power microwave pulses, transmembrane thermal gradients 2−27210
resonant thin-wire antenna, thermal response of human in near zone 2−26039
RF hyperthermia, practical system 2−3503
RF hyperthermia for cancer therapy, non-perturbed and non-perturbing thermometer 2−27200
telethermometer, for remote meas. of human skin temp. 2−22530
thermometer arrays, thin, linear, for use in localised cancer hyperthermia 2−22525
thermoregulation diagnostics *(German)* 2−17338

biotite *see mica*

bipolar integrated circuits
8A1200 gate array, for IC design, using integrated Schottky logic *(French)* 2−14979
560 Mbit/s regeneration comparator, for the SPCT560 transmission systems *(French)* 2−16321
analogue IC for telephone subset appls., symmetric I-V characts., base sheet resistance control 2−10881
analogue/digital LSI, process and device technologies, I^2L devices 2−25332
avalanche breakdown, influence of bias sputtered glass 2−1310
buried layer formation, Sb diffusion from spin-on doped oxide 2−5688
CMOS and bipolar logic, review of new versions 2−9063

bipolar integrated circuits continued
complementary dielectric isolation, new process for HV device manufacture 2−1445
complementary Schottky current switch, increased circuit speed compared to conventional designs 2−794
computer aided prediction of HF performance limits 2−25336
current mirror ICs 2−5307
current-mode switching circuits, analytical approx. for propag. delays 2−14058
Darlington pair for power switching appls., discrete and monolithic forms, optimization *(French)* 2−24391
diffusion source, appl. of ion implanted layer 2−5801
ECL, Motorola 10000 series circuits, for quartz oscillators *(French)* 2−25400
ECL encoder and decoder circuit, 4-valued logic levels 2−19646
ECL gate with 1.25 μm design rule, LSI technology appl., prep. by advanced photolithography 2−20395
ECL processing, bipolar test chip with emphasis on modularity and testability 2−14985
ECL RAM, 3 ns, 1 kbit, fabrication using super self-aligned process technology 2−24516
electrostatic discharge effects and production ccts., review 2−9752
epitaxial collector I^2L/MTL technology, some device aspects 2−20384
EPROM, bipolar, using hot carrier injection 2−5224
Fairchild Advanced Schottky TTL, large volume production by Isoplanar II process 2−19619
FM stereo decoding IC with birdie noise cancelling circuit using I^2L and bipolar transistors 2−2893
high speed bipolar LSI multiplier chip used in wave digital filter design 2−14224
high speed bipolar LSI process technology, super self-aligned fabrication (SST) *(Japanese)* 2−25331
high-performance bipolar transistor struct. fabrication of ICs, low extrinsic base resist. 2−1446
high-speed all-implanted bipolar technology, emitter-collector shorts and leakage reduction 2−20385
high-speed LSI logic and memories, modern bipolar technology 2−14980
high-speed VLSI, fine patterning, epitaxial film deposition and self-alignment technologies 2−20394
I^2L, cells and circuit development, new contributions *(Croatian)* 2−9729
I^2L, fabrication using different process conditions 2−20387
I^2L, high performance through laser recrystallised poly-Si 2−20383
I^2L ADC AD571, ionising radiation effects, SEM anal. 2−14187
I^2L devices based on quasi-three-dimensional modelling, efficient AC and DC anal. 2−25333
I^2L flip-flops design, using new coupling techniques 2−19645
I^2L microprocessor chip, 16-bit, 1.25 μm min. geometry, electron-beam direct writing, ion implants, plasma etching 2−20388
I^2L transistor circuits ILSIM simulation and test program *(German)* 2−24497
I^2L- 10K technology from RTC, for custom-built specific ICs *(French)* 2−14978
I^2L/MTL high-speed split-emitter memory cell fabrication 2−24517
instrumentation amplifier IC, designed for O_2 sensor interface requirements 2−19567
laboratory facilities for research and education at Case Western Reserve University, USA 2−8180
LED driver, high performance 2−25334
linear ICs, bipolar vs. CMOS 2−1399
LSI 2500-gate subnanosecond masterslice 2−14969
LSI ccts., using saturated transistor capacitor technique 2−20389
LSI device input states specifications for latchup testing 2−14973
LSI devices, latch-up anal. procedure 2−14971
Macrocell logic arrays, custom design using CAD tools 2−5800
mask artwork analysis system for bipolar integrated circuits 2−9065
masterslice logic cell with variable power/speed characts. 2−19628
memories, automatic testing problems 2−24512
memory array, data-out path with minimum delay 2−5234
microelectronics, present and future, review *(Czech)* 2−9678
Motorola's oxide-isolated ECL ICs, characts. 2−5182
MSI devices, single-event upset study 2−14059
n-p-n transistors fabrication, with non-critical mask registrations 2−5804
n-p-n/p-n-p IC transistor array for reference voltage circuit 2−13941
neutron hardness assurance screening using pinch resistor 2−14972
operational amplifier, low noise, high precision 2−19570
operational amplifier, total dose radiation resist., nitride passivation effects 2−13982
operational amplifier, voltage noise optimisation in audio and low freq. bands 2−19564
operational amps., comparative RFI performance 2−21130
p^+-n junctions under forward bias, leakage current degradation obs. 2−14682
pinch-off MESFET process appl. 2−5802
planar metal bands fabrication, high density 2−5803
polyuse, linear bipolar semicustom IC *(French)* 2−14977
PROM, bipolar components, electron microscopy 2−25330
PROM with reprogramming capability 2−24531
RAM, bipolar, prediction model in high energy ion/proton environment 2−14104
RAM, improved twin dummy cell for half-charge generation 2−5230
RAM cell with gated p-n junction 2−5223
rapid annealing factor for Si devices irradiated by fast neutron pulse 2−25205
recognition and verification of bipolar and MOS circuits from layout information 2−25337
regenerator, capable of operation in 2 to 320 Mbit/s range 2−21853
SAB 0600 for three-tone chime generator 2−14260
Schottky logic ccts., radiation response 2−14060
Schottky logic devices response in neutron, total dose and dose rate environments 2−14062
Schottky transistor logic arrays, Schottky barrier diode formation 2−14986
semiconductor technology, developments 2−5758
Siemens' p-n-p operational amplifier TAB 1453, characts. 2−747
simulation and anal. using TRANAL programming system *(German)* 2−1360
small geometry depleted base bipolar transistors on bipolar static induction transistors 2−9629
socketable packaging for high-power LSI devices in high-speed computers 2−24003
bipolar integrated circuits continued
spatial one- and two-dimensional anal. using ZANBIT computer program on ESER 1040 computer *(German)* 2−25338
Sprague stepping motor drive ICs, range description *(German)* 2−7879
static RAM cell with selected barrier height Schottky diodes 2−5172
subcollector/isolation spacing, nondestructive misalignment characterization by meas. of subcollector capacitance 2−1447
TDA 1185 IC for proportional speed control for series wound AC/DC electric motors *(French)* 2−7960
transistor-resistor-coupled device, CA3083 appl., transconductance and linear transfer charact. 2−13984
TTL 74 series, logic testing imported ICs *(Czech)* 2−14975
TTL type components, macromodel formation *(Russian)* 2−9605
TTL-LS failure modes, long term thermal stability of Schottky diodes realized by PtSi-Ti/W-Al metallization 2−9084
uncommitted logic array, 2000 gate 10 nsec, using VLSI bipolar process 2−24494
uncommitted logic array, for high bit rate transmission system terminal use 2−21681
VCO, HF, temp. stable, on monolithic chip 2−19582
vertical channel single dynamic memory device using bipolar technology process 2−24530
video output stages IC to drive colour TV tube 2−2927
VLSI, comparison of new technologies, possibilities and limitations 2−14926
VLSI, layout aids by automatic checking of cell library assembly *(French)* 2−14981
VLSI, new potentials reviewed *(French)* 2−14982
VLSI masterslice chip, automated placement and wiring 2−20391
VLSI masterslice chip, density enhancement study 2−20390
VLSI masterslice chip, off chip communication and testing 2−20392
VLSI Si bipolar transistors, elec. meas. and modelling of emitter base junction behaviour 2−14974
VLSI structures, neutron-induced hard errors study 2−14970
VLSI supply voltage and logic levels, potential compatibility with TTL and ECL 2−19648
VLSI technology, low-power I^2L/MTL ccts and high-performance ccts, optical lithography, potential appls. 2−20393
VLSI technology, use of depleted base transistors, process sensitivity 2−20396
voltage regulator, MOOSE IC fabrication structure, using high power discrete transistors 2−5089
voltage-controlled tunable filter, using bipolar technology 2−19782
wideband amplifier, on monolithic chip 2−19562
XR-400 Master-Chip, semi-custom I^2L IC 2−14976
GaAs bipolar IC technology development 2−14987
PtSi-Ti/W-Al metallisation system, reliability in bipolar logic devices 2−14984
Si Hall-effect power ICs for brushless motors 2−20386
Si, polycrystalline, resistors fabrication, O_2 implantation for temp. coeff. optimisation 2−25335

bipolar transistor circuits
Used for general papers and papers where use of bipolar transistors is significant
baby alarm, using microphone, bipolar transistor amplifiers, loudspeaker 2−14236
bipolar variable current source using power MOSFET *(German)* 2−13946
broadband bipolar voltage controlled oscillator, using hyperabrupt varactor devices 2−13999
Class A AF amplifier, using op. amps., bipolar transistors, short cct. protection *(Spanish)* 2−24423
CRT scan yokes having high inductance driven from low voltage supplies 2−16858
current mirrors used to design low-distortion op.-amp. ccts. 2−13994
current switch receiver circuit with improved AC noise tolerance 2−865
current-feedback bipolar transistor amplifiers, harmonic and intermodulation distortion 2−5125
Darlington compound transistors used in design of class A DC power amplifier *(French)* 2−5133
Darlington pair for power switching appls., discrete and monolithic forms, optimization *(French)* 2−24391
DC-DC convertor with switching transistor referenced to ground 2−14271
distributed amplifier with bipolar Si-transistors: 250 MHz to 6 GHz 2−13974
driver reliability improvement, active collector negative pulse protection 2−9055
feedback current amplifier, low distortion, use of modified Wilson current mirrors 2−13990
FET-bipolar amplifier for active antennas *(Czech)* 2−6374
high temperature operational amplifiers design using bipolar transistors *(Hungarian)* 2−5128
high voltage amplifier using pair of bipolar transistors 2−24406
high-frequency and microwave amps., noise characts. 2−13991
high-speed low-power transistor switch for saturated transistors 2−5313
LED pilot light, low power, battery operated using bipolar transistors 2−5301
LM395, adaptation for low level switching at small load currents 2−684
MIC oscillator, CAD *(Czech)* 2−14540
one-sided tolerancing, Monte Carlo method, appl. to LF power amplifier 2−19571
operational amp. design using bipolar junction transistors *(Spanish)* 2−25210
power convertors, bridge circuits with transistors *(German)* 2−686
reference voltage generator with automatic setting 2−700
selective high-power amplifiers, with bipolar transistors, destructive instability 2−19568
solid-state circuit composed of FETs and inverted Darlington pairs of transistors, temp. charact. 2−5075
sound to light generator, using bass, middle, treble channels, thyristor control 2−19822
spatial one- and two-dimensional anal. using ZANBIT computer program on ESER 1040 computer *(German)* 2−25338
square wave generator, using retriggerable monostable *(Italian)* 2−19591
staircase voltage generator constructed from unijunction transistor analogues 2−14014
steamwhistle for model trains, using bipolar transistors, AF power amplifiers IC 2−9162
transimpedance low noise bipolar preamplifier design for optical receivers 2−13989

bipolar transistor circuits continued
transistor-resistor-coupled device in common base, common collector configurations, analysis 2−5284
tunnel diode replacement, using op. amp. ICs *(Bulgarian)* 2−853
voltage regulator, using collector driven transistors 2−13961
wideband preamplifier and signal processing filter for gas proportional detectors 2−27086
YIG tuned microwave transistor oscillators, design *(German)* 2−5140
InGaAs pin photodiode-bipolar transimpedance preamplifier high-speed optical receiver, 1.3-1.5 μm 2−22281

bipolar transistors
see also bipolar integrated circuits
2N2222A transistor, humidity activated surface leakage paths on TO case style glass headers 2−14852
alloy spike detection and charact. in power transistors using trans. acoustic microscopy 2−8910
amplification, effect of insulation coatings on forward beta degradation 2−9632
avalanche breakdown phenomena, temp. variations for transistors and diodes 2−9620
avalanche transistor, junction capacity in breakdown region, current depend. 2−1348
Darlington compound transistors, using MOS and bipolar devices, transistor characts. *(French)* 2−14842
design method, two dimensional device simulation 2−5731
device analysis programs *(Japanese)* 2−25173
discrete bipolar semicond. devices, EM pulse failure models evaluation 2−14828
fabrication process for higher gain 2−1354
HF, collector-emitter capacity *(Rumanian)* 2−1351
high power switching transistor 2−9633
high-speed bipolar switching power transistor, 800 V, glass-passivated planar struct. 2−1359
high-voltage power transistors, glass passivation technology 2−14851
hybrid contact metal planarization process for fabrication of bipolar transistors 2−25206
inductive characteristics of composite transistors 2−25213
junction capacitance integration within each cell for fast switching speeds 2−14846
laboratory manual, book 2−25257
large signal switching behaviour for small supply voltages, over-storage effect *(German)* 2−9625
large-signal model for analysis of bipolar junction transistors, charge-control model appl. 2−1355
LF incremental collector output resistance, dependence on device structure, modelling and base-emitter drive conditions 2−14845
LF noise and crystallographic defects correl. in Si bipolar transistors 2−25209
LM 195, review of capabilities, characteristics and applications *(French)* 2−5738
low power, problems in theory and design *(Spanish)* 2−25210
magnetotransistor, two collector planar, magnetosensitivity, injected carrier drift and diffusion effects 2−9631
matched pair selector 2−19812
microwave, modelling with simulating program SPICE *(German)* 2−1347
microwave, submicron for HF low-current operation, electron-beam lithography 2−9628
n-p-n, fabrication with non-critical mask registrations 2−5804
n-p-n, low power, high current linearity, technological process props., static gain meas. *(Russian)* 2−1357
n-p-n, performance enhancement by emitter depth reduction 2−20238
n-p-n and p-n-p, influence of post-emitter processing on current gain 2−25204
n-p-n transistors, lower bound prediction on failure power distrib. 2−14843
optical broadband transimpedance preamplifiers, bipolar junction transistor and MESFET front end comparison 2−19577
p^+-n-p transitor, discrimination between $1/f$ noise sources 2−25212
p-n-p low-noise, noise coeff. meas. *(Bulgarian)* 2−9627
p-n-p Si planar epitaxial transistors, protective passivating coating props. *(Bulgarian)* 2−5692
p-n-p switching, minority carrier lifetime meas. by laser scanning digital system *(Rumanian)* 2−20121
parasitic substrate current reduction, minor modifications in processing 2−5653
planar transistor mag. induction transducers 2−22243
planar transistors, low energy electron beam investigation of burst noise, SEM correl. with dislocations 2−25214
power, HV, testing using vacuum tubes 2−20237
power, modelling for CAD 2−1362
power, power and energy limitations imposed by thermal-mode and current mode second breakdown 2−1353
power, selection criteria for switching power supplies *(French)* 2−5110
power electronics components, operation theory, models and typical ratings *(German)* 2−1352
power transistor, reverse second breakdown characts. meas. before and after neutron irradiation 2−14844
power transistor development from early bipolar types to modern power MOSFETs 2−1356
power transistor switch, temperature limited, distrib. of dissipated power, thermal coupling effect 2−5735
power transistors, comparison of MOSFET and bipolar technologies 2−20239
power transistors, premature breakdown prevention, impulse strength measurement 2−20240
power transistors, state-of-the-art and future developments 2−27999
rapid annealing factor for Si devices irradiated by fast neutron pulse 2−25205
RF transistors, automatic meas. of noise *(French)* 2−14850
S-band pulsed power transistor, used for solid-state phased-array radar 2−945
second breakdown protection of a power supply's pass transistor 2−5734
sidewall effects in shallow emitter of small bipolar transistor 2−9626
simulation and anal. using TRANAL programming system *(German)* 2−1360
slice yield, influence of B induced and oxidation induced defects 2−25211
small geometry depleted base bipolar transistors on bipolar static induction transistors 2−9629
small signal HF, equivalent cct. modelling 2−1361
static emitter and collector series resistances determ. 2−14840

bipolar transistors continued
switching times, digital meas. *(Bulgarian)* 2−26969
switching with cascoded HEXFETs and bipolar transistors 2−14813
thermal resistance measurement *(Bulgarian)* 2−5730
two-collector magnetotransistors, interelectrode configs. effect on elec. parameters 2−5737
two-dimensional, numerical simulation of transient processes 2−14849
vertical pnp and npn and transistors, compatible process for integration , appl. to MTL 2−5733
very-low collector resistance bipolar transistor 2−5732
GaAlAs-GaAs double heterojunction N-p-N bipolar transistor development and testing 2−20235
GaAs-GaAlAs, bipolar Schottky-collector transistor 2−1363
GaP high-temp. bipolar junction transistor 2−9624
Si bipolar junction transistor fabricated using MBE 2−9630
Si, carrier transparent and device performance, influence of cryst. defects, book contrib. 2−1169
Si device, minority carrier diffusion coeff. in heavily doped semicond. region 2−25208
Si magnetic-field-sensitive multicollector n-p-n transistors 2−20236
Si, ruby laser pulsed radiation effects on electrophys. characts. 2−1358
Si, semiconductor device processing, book contrib. 2−1277
Si:As emitters of transistors and diodes, energy gap narrowing in heavily-doped regions of devices 2−20241

bipoles *see network analysis; network synthesis*

birefringence
see also Kerr electro-optical effect; light polarisation; magneto-optical effects; mechanical birefringence; optical constants; optical rotation
biaxial crystal boundary, threshold peculiarities in waves reflected and refracted 2−25934
biomedical meas., contactile events in cardiac and skeletal muscles, non-invasive meas. 2−11947
fibre, elliptical core, polarisation mode dispersion meas. by spatial technique 2−25512
fibres, single-mode, anisotropic, multiply perturbed, polarisation behaviour 2−25513
lens, birefringent, for HF enhancement 2−21378
liquid crystal display, phase retarder 2−10087
liquid crystal display, transmission type, brightness-luminance ratio, psychological expt. 2−10081
nematic liquid cryst. display, in birefringence mode, colour contrast criteria 2−3231
nematic liquid crystal colour filters, transmission spectra 2−1759
optical fibre, birefringent single-mode, degree of polarisation 2−20634
optical fibre, polarisation parameter measurement 2−20631
optical fibre, single-mode, birefr. wavelength depend. 2−5986
optical fibres, single-mode, birefr., forward-backward transmission, polarisation-sensitive meas. interpretation 2−15325
optical fibres, single-mode, birefr. anal. and meas. using backscatt. method 2−15326
semiconductor compounds as quantum electronic materials, physical characts. *(Russian)* 2−9966
single mode fibre production with negligible intrinsic birefringence and polarisation mode dispersion 2−15299
single-mode optical fibres, polarisation parameters meas. 2−25483
spun single-mode fibres, birefr. and polarisation mode-dispersion 2−1683
As-S, amorphous film, optical waveguide, laser beam electrooptic modulation 2−20691
$Bi_{12}SiO_{20}$, photorefractive electrooptic cryst. with vol. phase hologram, light diffr. 2−10379
He-Ne Zeeman lasers, mirror anisotropy effects, Jones matrix representation 2−20803
$LiNbO_3$:Fe, photorefractive electrooptic cryst. with vol. phase hologram, light diffr. 2−10379
YAP, orthorhombic crystals, lasing process, thermal effects *(Chinese)* 2−15481

bistable multivibrators *see flip-flops*

bit-slice computers
emulating microcomputer chip set from RCA using CMOS/SOS technology 2−9108
microprocessor-based architecture for high speed data processing 2−15872

Bitter patterns *see magnetic domains*

bitumen *see materials*

blast waves *see shock waves*

bleaching, optical *see optical saturable absorption*

blending
No entries

Bloch walls *see magnetic domain walls*

blood
analyser, PHA-1 programmed automatic unit 2−3458
electrocoagulation, transcatheter, evaluation of anode and cathode 2−17395
emission tomograph for noninvasive meas. of brain blood perfusion 2−17378
extracorporeal blood circulation apparatus thermoelec. temp. control devices 2−17398
laser coagulation, medical laser devices, applications and status 2−11957
malarial parasite concentration, bench top mag. separator 2−17334
microvascular blood flowmetry using intravital microscope-TV system, improvement by 1-bit correlator *(Japanese)* 2−27139
red blood cells, effect of high power microwave pulses, transmembrane thermal gradients 2−27210
Si ICs, blood compatibility of components and materials 2−7343

blood platelets *see blood*

blooming mills
see also steel manufacture
Republic Steel Corp. No.5 steel conditioning facility, design and installation 2−4490
static excitation and control system for 44-in. mill 2−8105
torque monitoring increases primary mill productivity 2−11629

blue brittleness *see brittleness*

Bode diagrams
see also frequency response
frequency synthesis by phase-locked loop *(German)* 2−9016
ultra low current meas. parametric amplifier circuit anal. 2−11575

boilers
800 MW gas/oil fired, starting system features 2−27735

boilers continued
acid smut from oil-fired boilers, neutralization by $Mg(OH)_2$ powder, injection equipment development 2−23095
AFBC units characts. 2−7735
AGR, implications for condensate purification of operation at pH 9.6 2−7669
AGR boiler design and construction in UK 2−7671
atmospheric fluidised-bed combustion boiler designs 2−23128
automatic ball-type viscometer for power station boilers, static and dynamic characts. 2−26999
baghouse design and initial operating experience 2−18008
baghouse filter design for pulverised-coal-fired boilers 2−23132
burning coal/oil mixtures in oil-fired units 2−3928
BWR nuclear power plant load following operation, reactor power regulator, microcomputer system 2−17852
CANDU nuclear steam generators, materials performance 2−7663
catalysed coal direct hydrogenation 2−12505
central station boiler feed pumps, buyer's specifications 2−3933
changing to coal firing without boiler derating 2−27665
cleaning using sonic sootblowers 2−12496
coal burning in boilers designed for oil fuel 2−18015
coal cleaning to improve boiler performance and reduce SO_2 emissions 2−17930
coal firing for steam raising, large industrial site, case study 2−12463
coal-fired boiler plant, mechanical stokers charact. 2−7723
coal-fired boiler plant maintenance 2−3910
coal-fired power boilers, tube corrosion protection, soln. 2−7727
coal-fired power plant boilers, rebuilding aspects *(Hungarian)* 2−3908
cogeneration boiler design for bark and waste wood combustion 2−23130
combined heat and power generation for industry, boiler systems *(German)* 2−17958
combustion control mechanism 2−3886
combustion economics 2−7736
compact hydronic boiler, design 2−17951
concentrated double alkali flue gas desulphurisation process operating experience 2−23120
controls for waste fuels, design 2−27715
convective and radiative heat transfer in MHD radiant boilers 2−28130
conversion of drum boilers to hot reserve in electric power stations with cross connections 2−12477
development of steam generator components for open-cycle MHD 2−18128
digital boiler control, utility case history 2−12466
digital control appl. 2−12467
dry scrubber development for flue gas cleaning 2−23118
dry two-stage flue gas desulphurisation system for converted boiler 2−23131
economisers for modern boilers, twelve case histories 2−23096
EEC solar power plant steam generator control system design and simulation 2−27839
effects of initial jet shape on the behavior in an enclosed space 2−23072
electric utility boilers, direct digital control 2−7711
electroacoustic detector for fossil-fuel-fired boiler tube damage *(German)* 2−27681
enamel protective coatings, comparative tests 2−27737
experience with the use of pulverised brown coal in oil-fired steam generators *(German)* 2−23084
fibreglass reverse-air filters service life extension by improved unit design and operation 2−23069
fire-tube, solvent-refined coal combustion 2−12427
flue gas scrubbing system test results 2−23121
flue-gas CO monitoring for efficient burning 2−23068
fluidised bed combustion to satisfy environmental requirements 2−7739
fluidised-bed steam generator unit experience at Georgetown Univ., Washington, DC 2−23127
furnace combustion chamber design, laser-Doppler anemometry appls. *(Italian)* 2−12484
furnace wall ash monitoring system for coal fired boilers 2−17934
furnaces, slagging assessment method based on coal minerals thermal behaviour 2−23097
gasifier produces clean fuel from resid and lignite for natural gas fired boiler 2−3930
heat transfer scaling laws for MHD channels and diffusers 2−28131
heatpump-boiler combinations for space heating, enthalpy and exergy analyses 2−3915
high capacity low NO_x coal burner for retrofit and new units 2−27716
HTGR, steam generator materials performance 2−7664
Incoloy 800 and Inconel 600, steam generator tube for PHWR, NaH_2PO_4 evaluation as denting inhibitor 2−7673
Inconel 600 tubing in nuclear power demonstration unit boiler, chem. cleaning 2−7676
Inconel tubing, alloy 600, corrosion damage cause determ. by destructive examination 2−3934
increasing the efficiency of gas boilers by 10%, design approach 2−27664
integrated residential boiler and domestic hot water appliance, field testing 2−17952
investigation of the electrical precipitation of Ekibastuz coal ash as a function of the exhaust gas temperature 2−12472
isothermal modelling using the swirling equation 2−27733
Kraft recovery boiler, computer control of sootblowing 2−12498
large bituminous coal fired steam generators operating on S. African coal, fuel and slag analyses 2−7721
lignite boiler, pumping phenomenon prevention in axial forms *(Rumanian)* 2−12460
limestone flue gas desulphurisation system startup experiences 2−23119
LMBR steam generator, forced-connection boiling upflow system, instabilities in parallel channel 2−7653
LMFBR boiler tubes, 9Cr-2Mo steel appl. 2−7633
LMFBR steam generator SNR 300, experience in materials 2−7677
LMFBR steam generator US design 2−7665
load control system *(Russian)* 2−23092
Matsushima thermal power plant flue gas desulphurisation system operation results *(Japanese)* 2−27712
microprocessor-based boiler control system, consultation with plant's operators 2−27701
mock-ups for tubing degradation inspection in PWR boilers, design and construction 2−7634
natural-circulation steam generator performance and design 2−18011
nuclear boiler tube denting corrosion limitation by isothermal soaking 2−3853

boilers continued
nuclear power plant boiler tube bundle interior inspection, miniature visual examination equipment development 2−7636
nuclear power station boiler tubesheet crevices, Inconel 600 tubing corrosion problems, conf. proceedings summary 2−27634
nuclear power station U-tube boilers, dynamic thermal-hydraulic behaviour 2−17861
nuclear steam generating systems, chem. thermohydraulics 2−7667
nuclear steam generator materials, pitting corrosion studies 2−7675
nuclear steam generator materials performance, conf., St. Petersburg, FL, USA (Oct. 1980) 2−4568
nuclear steam generator tubes, intergranular attack 2−23025
nuclear steam generators, system chemistry consideration 2−7668
oil and gas fired boiler retrofit with coal gasification system 2−18014
oil-fired boilers, burner stabiliser with through-the-hub ignition 2−23080
oil-fired steam generator, corrosion in regenerative air pre-heaters, math. model *(Rumanian)* 2−12457
once through steam generator, nonlinear mathematical model 2−12488
once through subcritical pressure units with auxiliary load, reliability improvement 2−3911
online diagnostic instrum. in nuclear power plants, experiences 2−12365
open cycle MHD, heat and seed recovery 2−12933
operating equipment availability improvement 2−18013
operation of the TP-100 boiler under hot rotating reserve conditions of the energy unit 2−12480
OTEC, transient modelling 2−18071
PFBC deposition anal. 2−17936
phase interface level calc. 2−26988
power boiler computer based control system 2−23105
power plant deaerator storage tank instabilities, anal. 2−17972
power plant waste heat recovery from incinerator burning low heating value off-gas *(Japanese)* 2−27690
power plant wastewater treatment, programmable controller appls. 2−17969
power stations *(German)* 2−27656
PTVM-50 and PTVM-100 characts. 2−27738
pulverised coal combustion characts. 2−12504
pulverized coal ash, chimney solids and trace elements from 500 MW boiler stack, charact. determ. 2−23098
pulverized coal fired boiler, combustion air automatic trimming using flue gas CO concentration ref. 2−23099
PWR boiler tubes, tube-tubesheet flushing procedure to remove contaminants, effectiveness evaluation 2−3855
PWR boilers, corrosion product removal from secondary side, demonstration test results 2−3857
PWR boilers, corrosion products on secondary side, chemical removal process 2−3856
PWR steam generator materials, Cu and Ni compounds effects on corrosion 2−7670
PWR steam generator overfill transient, safety aspects 2−17887
PWR steam generator tubing, material requirements 2−7666
PWR steam generators materials performance 2−7662
recovery boiler operations, digital computer control 2−23106
recovery boilers, computer controlled soot blowing system, experience 2−12500
reliability calc. 2−27732
retrofit of a coal-fired open-cycle liquid-metal MHD to steam power plants 2−12932
scale exfoliation in boiler superheater and reheater tubes, laboratory test programme 2−12486
separation efficiency of a cyclone separator with a turbulence-suppressing rotating-insert 2−17938
shredded municipal refuse combustion steam generators 2−23134
solar central receiver system repowering of gas- and oil-fired power plants 2−23211
solar powered boiler, temperature regulator design, effect of nonMarkovian cloud patterns 2−18080
soot blowing, optimisation methods for energy efficient operation 2−12499
sootblower control, appl. of boiler heat transfer modelling 2−12497
spherical combustion chamber digital simulation 2−17935
steam generator degradation and nuclear power costs, generic problem 2−3943
steam generator fuel, use of peat 2−27678
steam generator tube performance in water-cooled nuclear power reactors during 1979 2−17883
steam generator with drum, automatic feed control scheme characts. *(Slovenian)* 2−3909
steam generators, corrosion control using amines 2−12471
steam generators, U-bend tube cracking 2−27758
steam generators for nuclear power plants with breeder reactors 2−27631
steam power plant burning refuse for power generation 2−27680
steam power station commissioning and problems arising *(German)* 2−27688
steam power station slag tap furnace with low NO_x emissions large scale trials *(German)* 2−27699
steam power stations, 110 MW, steam boiler with slag-tap furnace for burning brown coral 2−23110
steam power stations, 165 MW, boilers burning Turkish lignite design and operation characts. 2−23109
steel, pearlitic, under operating conditions of nuclear power plant drum steam separators, corrosion fatigue strength 2−13853
steel, stainless, weld overlay, H-induced cracking in heat-affected zone of steam generator forging 2−7672
stoker fired boilers, test programme 2−17975
subcritical or supercritical pressure cycle selection factors 2−18012
Super-Phenix steam generator 45 MW model, numerical simulation of operation on non-stationary regime *(French)* 2−27640
Super-Phenix steam generator model, dynamic stability synthesis studies *(French)* 2−27639
supercharged boilers, convective heat transfer to furnace waterwalls 2−17985
supercritical boilers using ammonia-hydrazine water treatment, formation of magnetite in feedwater circuits 2−17995
superheater thermal stratification reduction by change of hydraulic characts. 2−17997
TGMP-204 steam once-through-boiler, gas and oil fired, operational adjustment and thermal testing 2−17992
thermal energy utilisation using waste-heat boilers, optimisation *(Russian)* 2−17974
thermal power plant boiler adaptive multivariable control 2−3936

boilers continued
thermodynamic performance of two combined cycle power plants integrated with two coal gasification systems 2−17939
transient thermohydrodynamic processes following rupture of steam-generating channel in water cooled water moderated reactor, development mechanisms *(Russian)* 2−17859
use of fluidized beds in industrial energy schemes 2−3900
water tempered cleaning medium for sootblowers 2−17937
water treatment, choice of the filtering attachment of electromagnetic filters 2−12479
water-steam cycle regulation in a solar boiler 2−23421
wood refuse-fired spreader-stoker furnace, revised overfire air injection system 2−17949
H_2SO_4 vapour in combustion gases, continuous meas. by portable automatic monitor 2−22431
SO_2 emission control by dry scrubbing of boiler flue gases 2−23117

boiling point
metals, vapour pressure determination, boiling point method 2−3293
semiconductors, vapour pressure determination, boiling point method 2−3293

bolometers
adiabatic demagnetization refrigerator for infrared bolometers 2−26862
Bi microbolometer detectors for far IR imaging antenna array 2−22164
IR, He^3 cooled, low-noise pre-amp. 2−5127
IR detectors, using bolometers, pyroelectric devices, photoconductivity devices 2−11491
radiotelescope, bolometer receiver for NRAO 36-foot mm-wave telescope, cooling to 0.4K 2−21891
transducers, for SHF power and noise spectral power density standards comparison 2−6983
$Hg_{0.8}Cd_{0.2}Te$ bolometer for mm wave radiation detection 2−16991
InSb hot electron bolometer, mixer for far IR heterodyne detector 2−7102

Boltzmann equation
see also transport processes
charged particle differential collision terms in S_n appl. 2−22464
hot carrier cond., transient regime, Monte Carlo and Boltzmann eqn. iterative solns. 2−24940
III-V semiconductors, carrier velocities, time depend., Boltzmann eqn., iterative soln. 2−24979
magnetoconductivity, quantum transport theory 2−5543
mixed conductor, transport equations for electrons and ions 2−18460
nonlinear Boltzmann equation, initial value problem 2−4950
semiconductor compounds, ion implanted, stoichiometric disturbances, Boltzmann transport eqn. calc. 2−1294
n-$InAs_{0.65}P_{0.35}$, transverse magnetoresist., Boltzmann equation calc. 2−14649
Si, ion implantation, amorphisation, lattice displacement criterion 2−25142

Boltzmann-Vlasov equation *see Vlasov equation*

bonds (adhesive) *see adhesion*

bonds (chemical)
amorphous semiconductors, pressure-induced effects and phase transitions 2−25026
IV-VI semiconductors, basic properties, evolving perspectives and unifying characts. 2−9468
semiconductor, microstructural information from opt. props. in near IR to near UV range 2−14606
Au/Ni/SnNi/n-GaAs interface, ohmic contact form. 2−25070
GaAs (110), models of column III and V element overlayers, appl. to MBE 2−5000
GaAs (110)-Al interface, initial stage of formation 2−5614
Ge-Sb-Se system, beam-resistant films, prep. and struct., thermal stability, optical parameters 2−1200
InP-metal interfaces, atomic and electronic struct., XPS and elec. meas. 2−5631
Mo_xGe_{1-x}, amorphous film, elec. transport and struct. 2−20106
Si, amorphous film, plasma CVD *(Japanese)* 2−8835
Si:H, amorphous ion beam deposited coating, prep. and props. 2−20094
Si_3N_4, film, plasma CVD *(Japanese)* 2−8835
Si_3N_4 formation by N ion implantation of Si, AES and EELs studies 2−20197

bone
audiometry, bone-conduction receiver calibration using artificial mastoid instrument 2−17348
DC stimulation of non-unions 2−11955
femoral bone densitometry, autonomous apparatus *(French)* 2−22545
scoliosis evaluation utilising truncal cross-sections, laser scanning 2−27147

Boolean algebra
see also Boolean functions; formal logic
almost distributive lattices 2−159
cyclic Post algebras of order N 2−19058
fuzzy sets and probability 2−350
homomorphic images of vector lattices, completeness and projection properties 2−13613
K-spaces in Boolean-valued models of set theory *(Russian)* 2−4856
multiple fault testing in combinatorial ccts. 2−14047
multivalued combinatorial circuits dual radix logic 2−14089
test pattern generation technique, for digital circuits fault detection 2−24499

Boolean functions
binary combinations, homogeneity classes 2−19230
combinational circuits, probability of a switching function *(Spanish)* 2−5206
partial Boolean differences test generation techniques for devices without gate-level descriptions 2−1439
Reed-Muller canonic expansion, basis for universal logic gate ULG3 2−24484
Walsh transforms−Reed Muller expansion relationship 2−26112

Boolean lattices *see Boolean algebra*

boosters (electric generators) *see exciters*

bootstrap circuits
No entries

bootstrapping (circuits) *see bootstrap circuits*

borate glasses
see also borosilicate glasses
CdO-(PbO-CdO-BaO-B_2O_3 glass) thick film resistors, X-ray and microscopic investigations 2−5485
RuO_2-(PbO-CdO-BaO-B_2O_3 glass) thick film resistors, X-ray and microscopic investigations 2−5485

borosilicate glasses
GeO_2-B_2O_3-SiO_2 glass fibre optic preforms, nondestructive conc. profiling by Raman spectra anal. 2−1700
PbO-B_2O_3-SiO_2 glaze materials for last line visible thermal head 2−5482

Borrmann effect *see X-ray crystallography; X-ray diffraction*

boundaries *see boundary layers; boundary value problems; grain boundaries; metal-insulator boundaries; semiconductor-insulator boundaries; semiconductor-metal boundaries*

boundary layer flow *see boundary layers*

boundary layers
aerodynamic testing using water towing tank techniques 2−11995
transducer for flow meas. over helicopter rotor blades, wind tunnel tests 2−12006
wind tunnel, hypervelocity, flowfield surveying techniques using traversing probe system 2−11999
wind tunnel flow meas. using laser interferometer skin friction meter 2−12007

boundary-value problems
see also initial value problems
advection equation, numerical boundary conditions, stability and accuracy 2−8723
cellular surfaces, diffusion model for patch formation 2−8403
circulation matrix, structures computation appls. *(Chinese)* 2−13709
collocation method for two-point boundary value problems, error estimates 2−24258
composition of particular Fourier integral operators *(French)* 2−4706
conducting cylinder within alternating series of AC fed ring windings, centring force *(German)* 2−6300
conjugate harmonic functions of several variables, boundary values 2−13394
continuity properties of stationary points of quadratic functionals in Hilbert space 2−24238
coupled nonlinear ordinary differential equations, finite difference algorithm 2−13752
coupled reaction diffusion equations 2−19354
curved finite elements, boundary value problems 2−8756
degenerate elliptic Dirichlet problems *(Russian)* 2−13743
differential equation, right focal point uniqueness 2−13755
differential equation integration to an integral equation, soln. of boundary value problems 2−24261
dimensional reduction method 2−517
discrete maximum principle for finite elements of higher order 2−536
discrete superlinear boundary value problems 2−24254
distributed systems freq. response solution 2−19332
domain differentiation 2−523
domains construction with all solutions, extreme solutions existence 2−8760
double sweep method *(Chinese)* 2−13733
eddy currents around cracks in thin plates due to a current filament 2−25899
EHV transmission system containing controlled reactors, transient stability limits 2−3689
electrodynamics of media with spatial dispersion, boundary value problem 2−25933
elliptic, dimension reduction method 2−473
elliptic, dimensional reduction method 2−13775
elliptic, finite element method with corner domain convergence 2−516
elliptic equations, Korns second inequality 2−8754
elliptic equations, two sided eigenvalue estimate 2−19331
EM energy refl. and transmission coeffs. at boundary between two absorbing materials 2−2119
EM scatt. and propag. problems, approximate boundary conditions 2−2114
EM wave propag., subharmonic Bragg effects in almost periodic media 2−15679
EM wave propag. in media with arbitrary mag. permeability mag. induction depend. 2−6318
existence, uniqueness and comparison results for nonlinear boundary value problems involving a deviating argument 2−13385
filtration problem, free boundary convexity 2−8409
finite-dimensional bifurcation problem 2−8753
first order quasi-linear hyperbolic systems 2−4960
fluid filtration and heat conductivity partial differential equations 2−19375
formulation of pseudoparabolic boundary control problems 2−13762
generalised extended to the limit sparse factorisation techniques 2−8737
GI/M/2 queue analysis, using supplementary variables approach, Laplace transforms *(Japanese)* 2−8440
Helmholtz equation, exterior Neumann problem 2−19088
higher order elliptic boundary value problems in spaces with homogeneous norms 2−181
indicatrix method. II 2−19352
indicatrix method in free boundary problems 2−24266
iris-loaded waveguides, solution of microwave boundary value problems by least squares methods 2−15753
isomorphism theorems in L_2-theory of weak solutions to parabolic boundary value problems *(Russian)* 2−24230
iterational regularization for equations of the spectrum 2−19388
Lagrange multiplier method for Dirichlet's problem 2−515
Laplace equation boundary problem solving for finite element mesh generation *(Chinese)* 2−13723
Laplace-Levy operators 2−19313
linear algebra 2−19281
linear and quasilinear elliptic, solvability 2−522
linear differential equations, J-selfadjoint extensions 2−506
linear integro-differential equations, solutions of bounded variation 2−8414
meromorphic pseudodifferential operators 2−4966
mixed inverse, in doubly-connected domain, solvability 2−19283
mixed type equations boundary value problems *(Russian)* 2−24264
multivalued boundary value problems, topological coincidence degree methods 2−8743
non-linear potential problems, boundary integral eqn. soln. 2−24270

boundary-value problems continued
nonclassical systems, boundary value problem formulation *(Russian)* 2−177
nonhomogeneous boundary conditions and curved triangular finite elements 2−4952
nonlinear, asymptotic behaviour *(French)* 2−496
nonlinear differential equation of second order, boundary value problem on infinite interval *(Chinese)* 2−13720
nonlinear elliptic boundary value problems, normalised implicit methods 2−499
nonlinear elliptic problems with jumping nonlinearities near the first eigenvalue 2−19081
nonlinear integral equation boundary-value problems, iterative method convergence 2−539
nonlinear spectral theory, appl. to solve boundary value problems 2−8748
nonlinear telegraph equation 2−8738
on semilinear elliptic boundary value problems in unbounded domains 2−13386
on the curved elements of Hermite type and their applications *(Chinese)* 2−13718
on the regularity of difference schemes 2−8722
once through steam generator, nonlinear mathematical model 2−12488
ordinary differential equation system and two-point boundary value problems, integrated solutions *(Chinese)* 2−13731
ordinary differential equations, right focal point boundary value problems 2−8745
parabolic partial differential equations, solutions 2−24042
Picard boundary value problem for nonlinear second order vector differential equations 2−19095
plasticity, boundary element method 2−4971
prebuckled domes, nonlinear three-dimens. anal. 2−13737
reaction diffusion equations asymptotic behaviour 2−509
ribbed high permeable body in the field of massive cylindrical conductor running normal to the ribs, three-dimens. boundary-value problem *(German)* 2−6299
Schrodinger equation scattering operators 2−19350
semi-linear wave equations with periodic-Dirichlet boundary conditions, conservative systems 2−8413
semiconductor diode, one-dimensional symmetric model, numerical soln. 2−9603
Signorini problem in elastostatics, interior penalty methods for finite element approx. finite element analysis boundary-value problems elasticity 2−13740
spectral and pseudo-spectral methods for parabolic problems with non-periodic boundary conditions 2−24229
spherical cap, first eigenvalue 2−8404
Stefan problem, certain estimate of free boundary 2−8412
Stefan problem approximation 2−24271
stochastic, linear theory 2−8576
synchronous generator calc., using finite element analysis *(Croatian)* 2−4053
thin plates, eddy current induced by time-harmonic mag. field 2−2080
time-optimal parabolic boundary control problems with state constraints 2−8751
tubes, finite flexural deformation solution by general parameter mapping 2−19094
two point, asymptotic behaviour *(French)* 2−174
unsteady flow computations, cyclic matrices appl. 2−494

bowing *see bending*

brain
see also neurophysiology
auditory brainstem responses, analogue and digital filtering 2−3501
auditory evoked response, wave I identification using an atraumatic ear canal electrode 2−11937
brainstem auditory evoked pots., Bessel filtering 2−3489
brainstem auditory evoked pots., technical considerations, neonatal neurologic diagnosis appl. 2−3487
brainstem evoked potential, appl. of Wiener filtering 2−11925
brainstem evoked response audiometry, technical aspects of stimulation, recording and signal processing 2−11934
brainstem response audiometry, ear-canal rel. to mastoid electrode placement 2−11935
brainstem response audiometry, improved recording technique using a meatal electrode 2−11936
brainstem response audiometry, normative clinical data 2−11940
brainstem response audiometry, problems in analogue filtering 2−11939
brainstem response audiometry, waveform variation anal., FFT and inverse FFT appl. 2−11938
cerebrospinal fluid, instrumentation for hydrodynamic studies in man 2−27120
emission tomograph for noninvasive meas. of brain blood perfusion 2−17378
encephalovolumeter, noninvasive meas. of changes in brain volume of cerebral pulsation 2−22529
higher cortical activity, discrimination in EEG patterns, hierarchical nonparametric c lassification strategy 2−7336
human neuron activity dynamics hardware-software complex *(Russian)* 2−27170
intracranial pressure, microprocessor-based monitoring and trending system 2−7312
motor cortex, possible source of orthoses control signals 2−17416
potentials, investig. of local field non-uniformities *(Russian)* 2−27169
regional cerebral blood flow meas., NMR flowmeter focusing techniques 2−11914
single emission tomography research 2−7325
SQUID magnetometer, 7-channel, for brain research 2−22531

brain models
see also learning systems; neural nets
CNS model *(Slovenian)* 2−7309

brakes
aircraft landing gear systems status and developments 2−17458
British Rail APT-P project, brake electronics test apparatus and traction electronics ATE 2−18703
electric rail vehicles, electronics in brake control 2−13029
inductive dynamic brake device in high speed switchgear, math. model. 2−4308

braking
see also eddy current braking; regenerative braking
AC drive, EM high-speed stopper for print belt 2−4389

braking continued
asynchronous machine drive with short circuited stator, braking modes investigation 2−18640
block-braked monobloc wheel temp. meas. by jacket thermocouples *(German)* 2−11649
capacitance-inverter braking of induction motor drives *(Russian)* 2−4388
DC chopper propulsion system, battery load leveling with a flywheel 2−18711
DC motor braking, pseudo-bipolar PWM switching 2−696
drives with relay contactor, transients comparative analysis *(Bulgarian)* 2−4387
electric traction rolling stock electrical equipment post-war development *(Polish)* 2−28175
electric train, resistor braking thyristor pulse convertor *(Russian)* 2−18678
electric vehicles operating performance technical relationships, running dynamics and programmed braking *(German)* 2−28184
hybrid electric vehicles, hydrostatic braking and flywheel systems 2−18721
induction motors, 3-phase, automatic dynamic braking unit construction and operation *(Polish)* 2−27930
industrial robot pneumatic actuating mechanism braking numerical integration model 2−19379
intermediate capacity transit system, propulsion and control considerations 2−18707
K580 microcomputer for automobile antilock braking control *(Russian)* 2−4405
K580 microcomputer for automobile antilock braking control *(Russian)* 2−4406
motor-driven vibration equipment, braking systems, practical ccts. *(German)* 2−23705
rapid transit systems, propulsion system with power electronics, AC- and DC-drives 2−18708
resistance braking of DC motors *(German)* 2−18263
road vehicle braking power arrangement by axle computerised calc. *(Croatian)* 2−28186
series dynamos, recuperation braking with impulse convertors *(Czech)* 2−28005
trains, TGV electrical units concept and charact s. *(German)* 2−12984
variable freq. induction motor improvement method 2−4192
vehicle braking force meas. on commercial vehicles 2−26837
wayside energy storage for recuperation of potential energy from freight trains 2−12957

braze bonding *see brazing*

brazing
see also soldering
substrate/module pin assembly technique using resist. brazing 2−23989
n^+-Si/Al solder, ohmic contact, invest. of form. *(Japanese)* 2−1231

breakage *see fracture*

breakdown (electric) *see electric breakdown*

breakdown (mechanical) *see manufacturing processes*

breakdown diodes *see avalanche diodes; Zener diodes*

breeder reactors *see fission reactors*

bremsstrahlung
see also gamma-ray spectra; X-ray emission spectra; X-rays
beta particles bremsstrahlung recording, tritium concentration in tritium targets determ. 2−11759
photoproton spectra meas., withsuppression of electron background 2−11810
stimulated emission, electrons in mag. field, appl. to free electron laser 2−20774
Van de Graaff accelerator, bremsstrahlung charact s. and particle trajectories in inclined field tubes 2−11736

brewing industry
combined power and process heat for brewery in Ireland 2−23152
heat pumps, gas engine fed, for malting drying kilns *(French)* 2−28309
Mitchells and Butlers Ltd., steam power generation and utilisation developments 2−28308

bridge circuits
see also bridge instruments
3-phase, characteristic short-circuit currents computation *(German)* 2−28008
AC, automatic phase balance, theory *(Chinese)* 2−7150
aerodynamic pressure meas., using temp. stabilised Wheatstone bridge circuit 2−11991
brushless exciter with bridge rectifier, resultant magnetizing force of multiphase winding for a flow of nonsinusoidal current 2−18189
calculation of currents and voltages for multiphase synchronous generators with bridge rectifier load 2−18188
crystal resonators, measurement of series resonance frequency and effective series resistance 2−5870
DC mains supply power unit using hybrid fixed-voltage regulator of 5 V/20 A *(German)* 2−688
DC motor six-pulse reversing armature supply, microprocessor appl. as control and logic element 2−18273
DC regulator for magnetic meas. equipment 2−24399
electric drives, DC, supplied by parallel connected 3-phase bridges, operational conditions verification 2−28142
frequency separator, matched, 8-terminal 2−14261
high frequency welding 2−28279
HVDC power convertor with twelve pulses and equidistant firing system 2−27465
ILS localiser integral monitor, using three-bridge RF signal combining network 2−11126
induction watthour meter performance on rectifier/inverter circuits 2−12318
inductor-convertor bridge cct. anal. using discontinuous functions 2−18356
LF amplifier, bridge connected *(Spanish)* 2−9008
linear bridge amplifier 2−5112
power convertors, bridge circuits with transistors *(German)* 2−686
power invertor, auxiliary impulse commutated, bridge type, math. model 2−4302
pseudoactive bridge for separation for R and C in a practical capactive/conductive transducer 2−3217
resistive transducer, accurate op-amp bridge 2−11474
self-balancing high-precision AC Wheatstone bridge for observing diffusion processes in electrolyte solutions 2−17045
single-phase bridge rectifier operating conditions *(Russian)* 2−28004

bridge circuits continued
solid state AC voltage controller for industrial loads 2−18404
temperature controller cct., Wheatstone bridge arrangement 2−5316
three phase bridge convertor, constant current source fed, steady state performance anal. *(Russian)* 2−28022
three-phase bridge clct. with thyristor convertors, charcts. 2−4294
three-phase controlled rectifier bridge, microprocessor based controller 2−13973
three-phase thyristor bridge control systems classification review *(Polish)* 2−28076
trains, TGV electrical units concept and charcts. *(German)* 2−12984
transducer for meas. linear dimensions, errors evaluation 2−16954
two-input double-T bridge circuit with tunable resonant freq. 2−763
US motional bridge circuits, response under resistive and reactive loads 2−27314
Wheatstone bridge, active bridge, comparison for precise measurement applications *(German)* 2−17043
wheatstone full bridge configuration, strain gauge displacement transducer 2−3132
Wien-bridge oscillator, operational amplifier cct. design keeping poles on imaginary axis at high freq. 2−759
Wien-bridge oscillator with high-amplitude stability 2−14001

bridge instruments
see also bridge circuits
AC, systematic error analysis in meas. complex quantities 2−26897
AC magnetic props. meas., automatic microprocessor based technique *(Chinese)* 2−17106
capacitance bridge for reactor loss meas., current-comparator based, frequency compensated 2−11537
capacitance bridge modification, current comparator based, direct read-out 2−11535
capacitance loss bridges, unifying admittance calc. 2−7195
capacitance measurement appl. *(Spanish)* 2−3244
conference, Ottawa, Canada (Sept. 1981) 2−11367
electrolytic capacitor measurement bridge, capacity value determ. and capacitor leak detect. *(Spanish)* 2−11534
impedance bridge for 'in-circuit' meas. 2−11538
inductance bridge modifications, direct reading and frequency sensitivity limitation 2−11536
insulation measuring device for strain gauge technique *(German)* 2−11448
microprocessor based, review 2−22079
Poggendorf and Lindeck-Rothe zero-load signal measurements methods *(German)* 2−7151
Poggendorf zero load signal measurement method *(German)* 2−7152
pressure meas. using capacitive transducers, use of coaxial cable with double shielding 2−16950
pseudoactive bridge for separation for R and C in a practical capactive/conductive transducer 2−3217
pseudobalance of four-arm bridges supplied with sinusoidal voltage 2−17044
pulsed-supply, with separate balancing for three parameters 2−3218
quadrature-current reference, current-comparator-based, power meter calibration appl. 2−12321
self-balancing AC bridge, connection to mini-or microcomputer for impedance measurement *(German)* 2−3216
self-balancing for resistance, capacitance and inductance meas. 2−26898
tachometric bridge dynamic correction in automatic compensators for constant voltage *(Bulgarian)* 2−26895
testing metal-film resistors, fast microproof test set 2−13268
thermometer for oceanographic research, Pt-wire based 2−7444
underground cable fault location, DC bridge measuring instrument *(Russian)* 2−22965
verification of self-balancing instruments, w.r.t. GOST standard 2−26896
voltage, current and commutation angle computation *(Polish)* 2−17046
Wheatstone, pressure sensor appl. *(Dutch)* 2−11432
Wheatstone bridge with carbon-manganin gauge, nuclear underground test appl. 2−22264

Bridgman method *see crystal growth from melt*

brightness
colour TV kinescope screen pigmentation rel. to brightness and contrast of image reproduced *(Russian)* 2−16642
colour TV screens, filter concept, optical capability limits 2−16631
CRT displays, colour, progressive brightness reduction compensation for photography 2−9372
lamp brightness, digital control, six-programme panel, thyristor block and remote control *(Russian)* 2−18747
LED and optical fibre end, emitted luminous intensity, parametric representation using Legendre polynomials *(French)* 2−20765
light meas., physical characteristics of light units 2−17152
lighting, human eye adaptation effect on brightness measurement *(Japanese)* 2−8088
liquid crystal display, transmission type, brightness-luminance ratio, psychological expt. 2−10081
luminescence investigations, vision research implications 2−28210
surface gloss meas., optical fibre sensor development *(Japanese)* 2−15316
transductor system for controlling voltage across 100 W lamp *(German)* 2−693
GaP:Zn, green emitting LEDs, long term stability 2−20761
$InSn_xO_y$-Ta_2O_5-ZnS:Mn-Ta_2O_5-Al thin film struct., DC electrolum. 2−25598
Xe arc lamp, radiant flux stabilisation 2−18740
ZnS:Cu phosphor, relation between lattice parameter and particle size, brightness lifetime factors 2−15397
ZnS:Mn thin film electrolum. device, electrolum. charcts. depend. on device parameters 2−20754
ZnS:Mn(TbF_3) AC thin film device, electrolum. mechanism 2−25633

Brillouin scattering *see Brillouin spectra*

Brillouin spectra
see also stimulated Brillouin scattering
No entries

Brillouin zones
see also band structure
No entries

bristles *see fibres*

brittle-ductile transitions *see ductile-brittle transition*

brittle fracture
see also ductile-brittle transition
controlled microcleaving process for crystalline materials 2−9530
creep rupture detection at welds by AE 2−19470
photovoltaic solar modules, mechanical failure anal., fracture mechanics appl., cracking mechanisms for Si and cover materials 2−23602
steel, cleavage controlled instability monitoring by AE 2−13871
GaAs, epitaxial film growth, CLEFT process 2−591

brittle materials *see brittleness*

brittleness
see also brittle fracture
V-Ga wires and tapes, quench cracking, low-temp. brittleness, transition temp. 2−8842

broadband amplifiers *see wideband amplifiers*

broadcast antennas
see also broadcasting
AM broadcast antenna array patterns, effect of re-radiation from highrise buildings, towers 2−26064
Black Mt. Telecom. Tower, Canberra, national TV and FM broadcasting facilities 2−26595
circularly-polarized TV broadcast antennas, modelling in candelabra, anal., expt. results 2−21237
directional broadcast arrays for MW band, feeders, phase invariant adjustable power divider, variable phase shifters 2−21250
dual-frequency directive MF antenna system for ILR London 2−16555
FM/TV broadcast antenna system, computer-controlled network analyzer for impedance meas. 2−22206
HF antennas for amateur radio, theory and practice 2−10562
HF broadband performance rel. to communications antenna technology developments 2−21216
IV/V TV band broadcast antenna, four-structure antenna and accessories *(Italian)* 2−16576
MF antenna cost analysis 2−16561
resonant behaviour and detuning of power lines in the MF band 2−26006
SHF antenna types parabola, cassegrain, horn reflector, offset and Gregorian *(Japanese)* 2−21228
transmitting antenna for MW and SW, earthing, feeder and insulation *(Japanese)* 2−21251
TV/FM transmitting antenna *(Japanese)* 2−21227
UHF TV antennas, AKM type, large diameter mast appls. *(Czech)* 2−21242
zenith-type medium-wave antenna, field strength at distances up to 1700 km 2−15795
GaAs monolithic low-noise broad-band amplifier, appl. 2−19563

broadcasting
see also radio broadcasting; rediffusion; television broadcasting
12 GHz Broadcasting-Satellite planning methodology 2−2885
Arabian Gulf broadcasting satellite systems, performance assessment 2−2748
BBC engineering management 2−21906
Black Mt. Telecom. Tower, Canberra, design and construction 2−26420
Black Mt. Telecom. Tower, Canberra, project development and building facilities 2−26419
Black Mt. Telecom. Tower, Canberra, radio functions and specification 2−26418
broadcast engineering in 1980s, Japanese view 2−2877
cryptography key distribution 2−2481
digital 4-channel PCM recording opera perf. *(Italian)* 2−6966
digital and satellite broadcasting trends *(German)* 2−26583
digital broadcasting via satellite channel, design choices *(French)* 2−21917
European satellite broadcasting status and prospects *(French)* 2−21915
FM, high quality stereo reception *(Japanese)* 2−2907
frequency planning for broadcast services in Europe 2−26569
geostationary broadcasting satellite TV-SAT D3, charcts., equipment *(German)* 2−16417
magnetic film and tape recorder reproducer, for stereophonic/dual language broadcasts *(Japanese)* 2−2868
music for commercials, planning methods for stereo media *(Japanese)* 2−2872
new technology impact, review *(German)* 2−26594
news, SILK integrated communication system appl. 2−6720
Nordsat direct broadcasting satellite project, alternative modulation methods 2−21806
planning of Broadcasting Satellite Service, future problems 2−2884
satellite, direct broadcast receivers 2−16613
satellite, ESA large multipurpose satellite design 2−21767
stereo drama, mixing techniques *(Japanese)* 2−3005
stereophonic, review *(Japanese)* 2−2864
stereophonic, technical standards *(Japanese)* 2−2865
stereophonic commercial production *(Japanese)* 2−2871
stereophonic sound signal transmission *(Japanese)* 2−2874
studio, architectural acoustics and measuring techniques *(Japanese)* 2−2875
telecommunications, new systems and services, conf., Liege, Belgium, Nov. 1980 2−18867
VHF/UHF field strength computerised prediction system, TV, FM radio network planning 2−2878
VHF/UHF propagation parameters, calculation method 2−6323

Brownian motion
see also colloids
closed epidemic, Brownian motion and a sharply curved boundary 2−24094
excursion process, M/M/1 queue and occupation times 2−24065
iterated algorithm law 2−8546
statistical physics, configuration states lifetimes 2−24092
stopping times and an extension of stochastic integrals in the plane 2−8545

Brownian movement *see Brownian motion*

brush discharges *see brushes; discharges (electric)*

brushes
arcing in DC motors and generators, causes and prevention *(German)* 2−27937
dynamic stability of a sliding contact between pliant brushes and a smooth commutator, analysis *(Russian)* 2−27938
electrical machine C brushes, current carrying capacity 2−7801
increase in limiting current densities in brush contacts at elevated sliding rates 2−4013
magnetic brush developer, developer mechanism on developing powder fatigue and reproduced image quality *(Japanese)* 2−15629
magnetic brush development, two-component analysis *(Japanese)* 2−15628
physical model for magnetic brush development in xerographic machines 2−18829

brushes continued
ring sparking on the commutators of traction motors *(Russian)* 2−27936
rotating electrical machinery carbon brushes, materials used and electrical and mechanical props. required *(Czech)* 2−27866
rotating electrical machines C brushes frictional and operational charact. 2−27850
brushgear *see brushes*
bubble chambers
KAMA II, computerised track and bubble density meas. system 2−11845
microholography in bubble chambers *(French)* 2−27077
narrow bubble track formation by laser beam 2−11844
H rapid cycling bubble chamber for visualising charmed particle decays 2−22497
bubble point *see boiling point*
Buchholz relays *see relay protection*
buckling
prebuckled domes, nonlinear three-dimens. anal. 2−13737
steel linear design for nuclear reactor containment vessel 2−7661
budgeting
capital expenditure in process plants, corporate view 2−18914
buffer circuits
current mirror ICs 2−5307
digital code convertor, effect of buffer dividers on nonuniform binary pulse sequences *(Russian)* 2−5168
hybrid unity gain buffer, Precision Monolithics Buf-03 2−852
input buffer circuit, operation and appls. 2−863
OP-70 amplifier speed increased using BUF-03 buffer in feedback loop 2−8993
unity gain voltage buffer, Q-factor digital meas. of inductors appl. 2−17114
buffers (circuits) *see buffer circuits*
building
see also architecture; civil engineering; erection
acoustics analyzer type 4417 for noise level meas. 2−26998
acoustics analyzer type 823, microprocessor controlled 2−26742
AM broadcast antenna array patterns, effect of re-radiation from highrise buildings, towers 2−26064
as-built nuclear power plant buildings, dynamic testing, review 2−12353
Black Mt. Telecom. Tower, Canberra, building engineering services 2−23968
CAD, development in France 2−23857
CAD development in France 2−23856
CLASP-HL CAD system 2−23860
construction of Namorona hydraulic power plant in Madagascar 2−27800
design, contracting and construction of the Castle Peak 'A' power station, Hong Kong 2−7725
electronic office, implications on electrical services 2−13229
lighting control system, Project Skylight, using microcomputers and radio transmitters 2−23749
plant construction and assembly, detailed planning of operation *(German)* 2−23946
PWR, heat transfer coeffs. under LOCA conditions in containment buildings 2−7658
solar heated, CAD development in France 2−23858
statical dimensioning of prestressed reinforced concrete beams 2−23859
steam power station construction planning and installation work, Sharjah power station *(German)* 2−12454
telecommunication aseismic ability evaluation method 2−26179
telecommunication buildings, future direction 2−23964
telephone companies, management of capital spending, financing construction programmes 2−42
telephone exchanges, building designs 2−16268
telephone exchanges, environment, energy conservation, lighting and earthquake resistance planning 2−21691
building wiring
Barbican Arts Centre, in London, electrical services 2−22899
churches, lighting and wiring, booklet 2−4467
earth leakage testing in high rise buildings 2−27584
electric installation systems in dwelling houses *(Polish)* 2−22913
electrical installations in buildings, international standardisation *(Spanish)* 2−7542
electrical wiring for buildings, design and construction, book, 2−47
electronic office, implications on electrical services 2−13229
household electrical systems design and standards 2−7536
Polish products survey, ELEKTROMONTAZ range *(Polish)* 2−18148
power supply in large modern building, design aspects 2−22869
rationalisation of electro-installation procedures in buildings *(Czech)* 2−7529
bulk diffusion *see diffusion in solids*
bundling *see packaging*
burst noise *see random noise*
bus conductors (electric) *see busbars*
bus reactors *see current limiting reactors*
busbars
800 MW generator bus-bars phase-by-phase screened 3-phase current conductor electromagnetic field numerical anal. 2−27870
analytical study of transient processes in a capacitive energy accumulation 2−12949
busbar trunking systems for lighting installations 2−23740
gas-insulated busbars, used for underground power transmission in extremely cold areas *(Japanese)* 2−12252
indoor switchgear busbar design, electrodynamic stability under short circuit conditions *(Russian)* 2−28060
investigating the temperature conditions of complete phase-separated screened bus trunking *(Russian)* 2−27872
outdoor substations 420-kV tubular bus structure mechanical behaviour and short-circuit conditions *(Italian)* 2−27957
SF_6 insulated bus duct systems 2−12749
unprotected conductors in steel tubes, fire hazards and design for greater safety *(Russian)* 2−23967
bushes *see bushings*
bushings
capacitance-graded bushings with insulation of oil-impregnated paper 2−7562
HV high current cryogenic bushing 2−17756
large capacity transformer, eddy currents in structure surrounding large current bushings, expt. and calc. 2−12694
business *see commerce*
BWT *see backward-wave tubes*
cable insulation
see also insulating oils
77 kV cross-linked polyethylene cables, Y-splices development 2−27555
275 kV cross-linked polyethylene cables terminations development 2−27510
275 kV crosslinked polyethylene insulated cable and accessories, development *(Japanese)* 2−17738
ageing studies, size exclusion and coupled chromatography 2−15079
communication cable production, process control synthesis *(Czech)* 2−14324
communication cable production, process control synthesis *(Czech)* 2−24748
cost effective corrugated polyester film insulated cable properties and construction *(Swedish)* 2−22923
cross-linked polyethylene cable insulation, morphology 2−9796
cross-linked polyethylene insulation, leakage current charact. 2−9803
crosslinked polyethylene insulated, rated up to 110 kV, materials selection, manufacturing technology, construction and testing methods *(German)* 2−27506
crosslinking of polypropylene, appl. to foaming *(Japanese)* 2−15064
cryogenic liquid/gas transport between installations at different elec. pots. 2−27522
dielectric failure in power equipment and cable, causes and measures. 2−12595
EHV SF_6 insulated transmission lines, parameters determ. based on system performance criteria 2−12245
electrical distribution cables, numerical model for simulation, curing rat es 2−22925
electrical distribution cables processing, numerical model for simulation, heat and mass transfer 2−22924
enamel coated braided cable, SGEMP response and shielding effectiveness 2−14328
ethylene propylene, use by European cablemakers 2−7547
ethylene propylene insulated underground cables, breakdown voltage prediction from dielectric meas. 2−20441
ethylene propylene insulated underground cables, breakdown voltage prediction from dielectric meas. 2−20442
ethylene propylene rubber insulated power cables, environmental effects on rate of aging 2−22926
ethylene-propylene rubber cable insulation, characterisation 2−15078
ethylene-vinylacetate copolymer, C loaded, resist. and positive temp. coeff. of resist., correl. with C black parameters 2−25391
fault localization, new circuit based on the earth-fault loop *(German)* 2−4665
fire damage assessment using simulated environments 2−12254
fires, influence of new materials 2−7550
flame retarded wire and cable selection for industrial appls. 2−14335
HV DC cable accessories, nonlinear anal. of elec. field distrib. using finite element method *(Japanese)* 2−17724
MV polyethylene and crosslinked polyethylene cables defects survey by German electricity supply industry *(German)* 2−27507
NONCHLOTHENE insulated wire and cables chemical, electrical and thermal charact. *(Japanese)* 2−17739
nuclear power plant power cables insulation flame proofing and increased resistance to radiation 2−27498
oil-impregnated biaxially oriented polypropylene-films, TSC, interfacial polarisation 2−9827
PE wire and cable insulation, crosslinking using fast electrons in bilateral and multilateral irradiation, electrons optimal energy calc. *(Czech)* 2−5391
plastics, communications industry appls. 2−13861
POF cables, forced cooling system *(Japanese)* 2−17731
polyester fibres, modification of struct. by stretching and thermal treatment *(German)* 2−13867
polyethelene-insulated impulse cables, breakdown and work potential testing *(Russian)* 2−15042
polyethylene, low density, cable insulation appls., partial discharge evaluation, 8-channel ATE controlled by real-time microprocessor system 2−11364
polyethylene, peroxide cross-linked, cable insulation appls., partial discharge evaluation, 8-channel ATE controlled by real-time microprocessor system 2−11364
polyethylene cable insulation, protection against treeing by addition of retarding agent, expt. tests 2−9791
polymeric insulation, interrelationship between treeing, electrical breakdown strength and polymer morphology 2−9792
polymers, light detection as prebreakdown phenomena 2−9797
polyvinyl chloride, cross-linking advantages 2−7546
power cables, 10 to 30 kV range, synthetically insulated, influence of operational practise on construction for electricity supply networks *(German)* 2−22921
power cables, halogen-free fire resistant properties and requirements *(German)* 2−27505
power cables, heat- and radiation-resistant, with mineral insulation for utilisation in nuclear power installations 2−27516
power cables, HV, SF_6 insulated *(German)* 2−27503
power cables, oil-insulated and separately oil cooled for capacity improvement 2−27499
power cables, polyethylene insulated, statistical reliability testing *(Czech)* 2−3751
power cables, XLPE, 275 kV, development of cable and accessories 2−27496
power cables, XLPE insulation, improvement by incorporation of tricomponent additive *(Japanese)* 2−12247
solder/insulation packages for splicing and termination, advantages 2−980
submarine, dielectric loss tangent analysis for radiation-polymerised polyethylenes at 500 MHz, 20°C *(Japanese)* 2−16332
subscriber loop cables new insulation technologies 2−26185
superconducting cable, partial discharges in cavities in supercritical He impregnated insulation 2−27524
testing, reed relay appl. to personnel protection 2−24753
thermoplastic and cross-linked polyethylene cable insulation, morphology 2−9795
three-core power cables, elec. stress anal. rel. to insulation dimensioning 2−22890
underground power cables, comparison of XLPE and EPR 2−20461
wrapped insulation impregnated with liquid N_2, influence of overvoltage on partial discharges 2−15040

cable insulation continued
XLPE cable insulations, mineral filled, voltage endurance in wet and hot environment 2−15077
XLPE cable technology, basic chemistry and manuf. 2−7549
MgO insulation in heat resistant cables, elec. cond. meas. 2−14331
N_2, at cryogenic temp. 2−27523

cable jointing
77 kV cross-linked polyethylene cables, Y-splices development 2−27555
CCITT Study Group recommendations on jointing telecommunication cable conductors 2−10950
COS3/FOSTER optical fibre cable plant for interconnection of urban exchanges, struct. and charact., laying and jointing procedure *(Italian)* 2−6823
crimping tools for cable terminations and connections 2−18935
development of joints for medium voltage polymeric cables 2−7567
equipment for increased productivity *(Czech)* 2−27550
lightguide fusion splices, tensile strengths of >4 GPa obtained using Cl-OH torch for splicing 2−5998
monomode optical fibre system, 31.6 km fusion splicing 2−25494
NEC transmission equipment installation, dispersive direct connection of station cables in bay frame 2−2653
new sachet packing for epoxy resin used in low voltage cable potting *(German)* 2−27552
optical fibre strength, military system requirements 2−1717
optical fibre trunk transmission medium design and performance 2−2802
SMA coaxial connector for semi-rigid cable, improved design 2−14336
solder/insulation packages for splicing and termination, advantages 2−980
splicing machine for communication cable conductors 2−26381
submarine coaxial cable system, armoured-cable coupling structure appl. *(Japanese)* 2−21718
telecommunication cables using MMM Company system *(Italian)* 2−21712
telephone exchange cable butt splice jointing methods for saving of space in vault area 2−2657
underground Al cables, LV and MV, compression jointing methods and problems *(Spanish)* 2−22928
Nb-Ti superconducting cable, multistrand, monolithic terminations 2−7556
Nb_3Sn superconducting cable, multistrand, monolithic terminations 2−7556

cable laying
154 kV and 275 kV gas insulated transmission lines in Japan, design, installation and tests. 2−7544
COS3/FOSTER optical fibre cable plant for interconnection of urban exchanges, struct. and charact., laying and jointing procedure *(Italian)* 2−6823
dynamic response of submerged cable, submarine cable laying design method derivation *(Japanese)* 2−21724
equipment for increased productivity *(Czech)* 2−27550
mechanisation and use of special tools *(Czech)* 2−7565
optical cable pulling, long-spin installation machine 2−21851
optical fiber cable installing technique in underground plant 2−21830
optical Saskatchewan 2000 mile broadband network, progress report 2−6839
standard P690 for cable systems installation for Class 1E ccts. for nuclear power stations 2−17840
submarine, use of SCARAB robot 2−10952
undersea cables automated handling system 2−21727
up to 30 kV, tunnels and channels standardisation *(Polish)* 2−22946
Video Information Control Cable Burying System (VICS) 2−21726

cable sheathing
aerial cable sheathing, reinforced self-supporting cable development 2−2656
ceramic fibre blanket wrap for cable tray and conduit fire protection 2−17740
mechanical design 43 mm armoured submarine coaxial cable, stranded wire theory appl. *(Japanese)* 2−16330
mechanical design 43 mm nonarmoured submarine coaxial cable *(Japanese)* 2−16329
NONCHLOTHENE insulated wire and cables chemical, electrical and thermal charact. *(Japanese)* 2−17739
nuclear power plant power cables insulation flame proofing and increased resistance to radiation 2−27498
optical communication cables design and manufacturing 2−25484
power cables, 10 to 30 kV range, synthetically insulated, influence of operational practise on construction for electricity supply networks *(German)* 2−22921
power cables, MV, testing and jacket defects location *(German)* 2−27502
power cables, replacement of lead cable-sheaths by aluminium screens *(French)* 2−22919
power cables, XLPE, 275 kV, development of cable and accessories 2−27496
shielded flat cables for electrostatic discharge and EM interference reduction 2−9260
submarine coaxial, weatherability of polyethylene material *(Japanese)* 2−16333
submarine coaxial cables, armoured/nonarmoured structural design study *(Japanese)* 2−16328

cable sheaths *see cable sheathing*

cable television
digital TV signal transmission with stereo sound using fibre-optic systems *(German)* 2−2942
distribution cable network characteristics for audio-visual services *(French)* 2−21969
distribution lines, harmonic distortion factor, calc. and anal. 2−16654
dual channel transmission over coaxial cable, 2nd channel at microwave IF freq. 70 MHz 2−21966
features, advantages, prospects and problems *(French)* 2−26637
harmonically related carrier head-end (HRC) development for 8-channel working 2−16653
high-quality transmission on optical trunk and subscriber lines in Denmark 2−6935
interactive TV system development status and prospects 2−21970
laminated Al sheathed coaxial cable with 80% expanded polyethylene insulation for CATV systems *(Japanese)* 2−10948
master station for large community and cable TV installations *(German)* 2−6934
optical broadband fibre links using PFM coding 2−6827
optical fibre CATV network, feasibility study 2−21967
optical trunk line appl. for high-quality cable TV 2−6931

cable television continued
Rediffusion's cable subscription TV experimental station 2−11229
regulatory problems in US 2−26636
RF multichannel bidirectional system, security monitoring appls. 2−16655
self-help systems for small communities, cable or re-transmitter systems appl. 2−16541
signal scrambling system advantages and pitfalls 2−26638
subscription TV broadcasting complementary to cable systems in USA 2−21919
two-way audio-visual information system, Pana Campus system *(Japanese)* 2−21968
two-way audio-visual information system for schools *(Japanese)* 2−21987
two-way communication, monitoring domestic premises appl. 2−16685
VIDON multiple service system for use in telephone and CATV subscriber loop 2−10879
Zoetermeer Project, developments *(Dutch)* 2−6933

cables (electric)
see also coaxial cables; power cables; submarine cables; superconducting cables; telecommunication cables; underground cables
cable testing cct., using LEDs 2−979
conductors, rational utilisation of materials, Poland *(Polish)* 2−3755
connector retainer 2−19925
cross-linked polyethylene cable insulation, morphology 2−9796
cross-linked polyethylene insulation, leakage current charact. 2−9803
fault location, tri-lead test using loop radiator 2−5393
flame retarded wire and cable selection for industrial appls. 2−14335
flammable liquid spills in power plants, cable fire risk conditions 2−23971
heat pipes for thermal interference between cables and hot pipes at crossing point *(Japanese)* 2−14326
multi-lead electrical cable, heat treatment for foam insulation 2−977
nuclear hardening to prevent nuclear electromagnetic pulses 2−15744
overhead transmission lines, development of boltless spacers *(Japanese)* 2−17747
polyethelene-insulated impulse cables, breakdown and work potential testing *(Russian)* 2−15042
production facilities and services in Poland *(Polish)* 2−17720
shielded flat cables for EMI and ESD reduction 2−21156
thermoplastic and cross-linked polyethylene cable insulation, morphology 2−9795
time domain reflectometry equipment for cable fault location 2−7203
time-domain reflectometer cable tester, using cross-coupled monostable IC 2−11607
twisted pair, coupling reduction from interfering field 2−21157
urban power network, fault location algorithm *(Russian)* 2−22778

cableway systems
see also lifts
No entries

cableways, electric *see electric conduits*

CAD
see also architectural CAD; circuit CAD; circuit layout CAD; computer-aided analysis; control system CAD; electric machine CAD; logic CAD; power system CAD
battery operated AC and DC power systems, computer aided draughting, production service improvement 2−13261
CADDIE interactive computer graphic aid, new telecom equipment behaviour appl. 2−15988
CAES load regulation 2−12537
CODEC−a program system for the interactive development of error-correcting coders/decoders 2−21274
complex multinode tandem network design optimisation 2−2406
composite matched filters 2−20977
digital cct. error diagnosis, computer programs *(German)* 2−5420
education conf. Rapid City, South Dakota, October 19-21, 1981 2−18873
electrical plant design computer aid *(German)* 2−17620
electronic engineering workstation of the future 2−13263
electronics industry appls. of CAD/CAM 2−4631
electroplating jig design and manufacture 2−18805
engineering drawings, extraction of line structured data 2−21381
IC capacitive press. transducer with high sensitivity 2−22237
IC wafer process requirements and associated costs 2−14952
inductors, universal interactive program 2−972
instruction method as aid to integration of CAD methods into teaching 2−13181
land survey and setting out using EM distance meas. and electronic processing 2−22220
lighting, computer aid to multiple criterion design 2−28226
magnetic bubble devices, dual conductor current access, computer simulation 2−15225
magnetic components for microwaves and optics, review 2−14295
magnetic levitation passenger transport systems vehicle dynamics and optimisation 2−28182
magnetics, interactive CAD, review 2−20492
manufacturing and other industries, pitfalls 2−4633
manufacturing data processing methodology 2−83
microstrip ring resonators, CAD based on waveguide model 2−24682
Modular Interactive Network Designer software for telecommunications networks 2−2405
plastics pattern moulds and dies 2−4556
power plant system model and realisation by electronic digital computer *(Russian)* 2−17789
private business telephone network design, Bell BSIXS software system 2−21456
procedure for optimised determination of arc-quenching chamber parameters of an automatic cut-out *(Russian)* 2−28058
production test benefits of CAD/CAM, increase in overall productivity 2−13266
quality control charts for variables, design by computer 2−4673
reactors, universal interactive program 2−972
road lighting installations, design code, New Zealand 2−23732
road lighting lanterns, optical design, computer techniques 2−18739
road vehicle braking power arrangement by axle computerised calc. *(Croatian)* 2−28186
solar energy system CAD *(Dutch)* 2−27819
solid-state pressure sensor, SENSIM simulation program 2−22235
spacecraft structural analysis activities at ESTEC, software development 2−3527
Spacelab System Verification Program 2−3529
steel, development in Italy 2−23797
stepping motor system, electrical and mechanical design, computerised model 2−7885

CAD continued
switchgear mechanics design *(German)* 2−18391
technological development of furnaces and energy economy *(French)* 2−13077
telecommunication network design by topological optimisation and performance simulation 2−2404
transformer CAD/CAM system *(Danish)* 2−27989
transformers, universal interactive program 2−972
wire and cable industry, CAD/CAM technology 2−28281
wood furniture making, development in France 2−23840
(Al,Ga)As DH injection laser with asymm. gain distrib., computer model 2−25786
SF_6 puffer interrupter, real gas eqns. for use in analytical model 2−18384
caesium clocks *see atomic clocks*
caesium generators *see plasma diodes*
caesium plasma diodes *see plasma diodes*
calculating *see calculation*
calculating apparatus
No entries
calculating machines *see calculating apparatus*
calculation
see also graphs; nomograms
No entries
calculators *see calculating apparatus*
calculators (electronic) *see electronic calculators*
calculus
see also differentiation; integration; variational techniques
multiple regression analysis, solutions based on Crout's matrix using desk calculators *(German)* 2−8696
practical optimisation, book 2−8656
calibration
see also measurement standards; standardisation
14360A CO_2 sensor, calibration 2−16976
A/D and D/A converters, 12- to 18-bit, NBS calibration service, design, measurement and operation 2−19743
A/D and D/A convertors, NBS calibration service 2−24570
AC measuring instruments, low-power stabilizer for AC amplitude 2−5100
AC power and energy standard, for Australia 2−22963
acceleration transducer, calibration methods to determ. circuit transfer function 2−3030
accelerometer, back-to-back, vibration standard appl. 2−22039
actinide nuclide, decay scheme studies and anal., γ-ray spectrometry appl. 2−11877
airborne stress transducer verification for meas. stresses in solid propellant rocket motors 2−22661
anemometer for near sea surface, 3-D hot-film type 2−3594
ATE, by means of dynamic transport stnadards 2−26756
ATE field calibration via satellite 2−26758
ATE performance assessment 2−26757
ATE systems, third-generation 2−22143
attenuation standard, automated precision piston attenuator for RF and microwave instruments calibration 2−11369
audiometers, bone-conduction, calibration survey 2−17339
aviation metrology management data acquisition 2−22691
avionic subsystem maintenance information storage by electronic nameplate 2−3558
balloon calibrated solar cells with narrow band-pass filters, simulator spectral characterisation 2−17526
bone-conduction receiver calibration over extended freq. range using artificial mastoid instrument 2−17348
bridges and automatic potentiometers verification, w.r.t. GOST standard 2−26896
C-space dynamic error theory 2−26702
calibrated DC power supply for linear IC *(Polish)* 2−13964
capacitance bridge, current comparator based, modified for direct readings 2−11535
clock synchronisation technique, for tracking and controlling deep space probes 2−12049
conductivity probe, dynamic response meas., salt-stratified tank design 2−7443
cosmic gamma-ray scintillation detector, calibration procedure 2−7423
cosmic ray scintillation detector for low energy electrons 2−7422
cryogenic liquids, portable calibration densimeter 2−11638
crystal calibrator cct. for radio receivers 2−26617
data converter calibration service for A/D and D/A converter transfer charact. meas. 2−26712
data evaluation, transducers and measuring instruments *(Hungarian)* 2−11318
DC voltage reference standard, using Si diodes as transfer media 2−11327
defibrillator analyser, microprocessor-based, precision calibrator and tester appl. 2−11968
digital convertor testing using Walsh transform techniques 2−19831
digital multimeters incorporating microprocessor for automatic calibration, Autocal system *(German)* 2−26875
dimension meas., linear, below 0.1 mm, metrological provisions 2−17126
discharge magnitude in partial discharges calibration *(Chinese)* 2−22224
document scanning using CCD arrays, dark current level compensation, automatic calibration using microprocessor 2−22156
dosimeters, α-particle irrad. chamber 2−27219
electricity meter stock central administration and organisation using electronic data processing *(German)* 2−4592
electricity meters calibration range validity extension using random-test-method, experience from user point of view *(German)* 2−3181
electricity meters calibration validity range extension using the random test method *(German)* 2−3180
electroacoustic transducers, development, operational use and parameter meas., calibration, review *(German)* 2−7459
EM flowmeter, calibration and testing without liquid 2−16956
EM flowmeters reference installation 2−16955
error location and standards 2−22033
ESA VHF ranging system, SIRIO-2 laser ranging experiment 2−22723
European reference solar cell calibrations, comparison 2−18581
eye monitoring and calibration algorithm 2−3451
eye monitoring system using IR corneal reflection 2−3452
film dosimeters, filtered X-ray set for calibration *(Bulgarian)* 2−7349
flow calibration facility, using drag disc/turbine transducer, mass flow calc. 2−22444
calibration continued
flow meas. probe, seven-hole 2−22440
flow measurement and calibration facility, 8×10^{-7} to 2.6×10^{2} kg/sec air flow rates 2−22446
fly height testers for magnetic recording heads, sputtered standard 2−25432
force sensor-machine interaction identification and quantification 2−22401
force transducers, three-dimens., calibration equipment design *(Chinese)* 2−16947
frequency source, using quartz crystal IC oscillator, single-chip *(German)* 2−9832
frequency stability measurement methods *(German)* 2−11577
gamma-ray telescope, passively anti-collimated, design, calibration and sensitivity 2−11785
gas analysers, multicomponent gas mixtures automatic analysis 2−7449
gas flowmeter, post calibration using digital logic and memory circuits 2−3300
generator for oscilloscopes, microprocessor-based, internal diagnostics 2−11347
greenhouse climate control, humidity sensors 2−17174
gyroscope in-orbit checkout of IRAS satellite 2−22651
heat meter component correct balancing for correct volume and temperature *(German)* 2−26980
heat meter properties, effects of compulsory calibration *(German)* 2−26981
heat- and hot-water meters calibration and certification *(German)* 2−26979
Hewlett Packard's 47210A capnometer, calibration and performance verification 2−17352
homodyne network analyser, theoretical and experimental investigation 2−3103
hydrophone, at low frequency, under hydrostatic pressures 2−17607
industrial robot pitch and yaw rotary axis calibration device 2−26725
ionisation chambers for fast neutron dosimetry, charact., book contrib. 2−17266
ionisation gauges, triode and Bayard-Alpert types, long term behaviour 2−11661
IR radiance model validation by sensor flight measurements 2−22652
isotropic electric field monitor at National Bureau of Standards, USA, design and calibration 2−17041
lightning impulse voltages recording by wave memories *(German)* 2−22216
line-gauge calibration, automatic system *(Italian)* 2−26709
low ionisation current meas., dosimetric problem 2−11824
magnetic storage disc drive, head position recalibration 2−25431
manganin stress gauges, dynamic response 2−3123
measurement system, synthesis and verification model 2−26701
measurement system, theory 2−26700
microphone calibration, secondary method for meas. of response curve, free and semireverberant fields 2−6976
microphones, using laser-Doppler technique 2−17602
minicomputer for voltmeters, ohmmeters, and ammeters, standards 2−22089
mixed-field dosimetry using ionisation chambers, uncertainty anal. 2−11834
multidetector particle analyzers, calibration of spectrometer channels 2−11807
multidetector particle analyzers, calibration of spectrometer channels 2−17250
MWPC with cathodic read-out, acquisition and calibration electronics 2−27082
N-port microwave junction automatic meas., using six-port technique 2−11604
National Bureau of Standards, USA, measurement programs and services 2−16772
Navy ATE calibration support 2−22145
Navy ATE systems on-line certification 2−22144
NBS neutron monitor/ and dosimeter calibration facility/ 2−3409
near-Earth spacecraft, attitude determ., in-flight magnetometer calibration 2−17485
non-hydrogenous ionisation chambers, relative neutron sensitivity 2−11835
pH electrode design for overcoming calibration problems 2−11447
phase angle calibration standard, NBS, with auto-zero feedback compensation 2−11324
phase calibrator, with linear conversion of controlling code in phase shift 2−7179
photoelectron spectrometer, computer-controlled 2−22509
phototube, absolute sensitivity calibration *(Chinese)* 2−5518
piezoelectric quartz three component force transducers type YDS-III 79B, YDS-III 79K, study and design *(Chinese)* 2−1528
postaccelerating system, parameters for first analysing magnet *(Rumanian)* 2−11716
power meter, using quadrature-current reference, current-comparator-based 2−12321
pressure transmitter calibration, differential, automated test facility 2−22097
process control instrum., testing and calibration equipment 2−16811
Programma 2 RF generator 2−24426
pulsed US field intensity meas. using miniature hydrophone calibrated by simplified technique 2−17603
pyrometer, using standard radiator with automatic temp. controller 2−16982
radioactive sources, γ-ray energies meas. using Ge semicon. detectors 2−11787
RAM ATE calibration check using test reference module and selected test patterns 2−7009
RF voltage standards, use for calibration of precision voltage meas. devices 2−16769
S-band waveguide technique for the calibration of miniature implantable electric-field probes for use in microwave-bioeffects studies 2−22543
satellite scanner data, Landsat/NOAA intercalibration 2−17539
scintillation counter hodoscope, laser based time and amplitude calibration system 2−22476
SEM magnification standard, grating or conjugated struct. 2−9385
semiconductor resistance thermometer, 0.02 to 300K 2−11455
Shuttle landing guidance system, precision spatial calibration 2−17495
six-port reflectometer, characterisation by calibration procedures 2−26947
software quality assurance for automated calibration laboratories 2−26760

calibration continued
solar radiation measurement, pyranometer operation and routine calibration 2−7436
sonar array transducer and hydrophone design and construction 2−26551
space geodesy, calibration of Laser Synchronisation by Synchronous Orbit (LASSO) expt. *(French)* 2−3575
sytematic measurement errors 2−3031
tape-torsion measuring cassette for home construction *(German)* 2−6971
TC-7R-P, microprocessor controlled process calibrator from Haven Automation 2−6992
TE ion chamber meas. for neutron dosimetry, interpretation and corrections and book contrib. 2−17272
TE ion chambers model IC-17 for dose meas., calibration constancy 2−17273
teletherapy machines, ^{60}Co and high-energy, use of FBX dosimeter for calibration 2−27218
test equipment for liquid quantities meas., precision improvement 2−16771
thermometer, distant-reading, for home construction, cct. diagram and calibration 2−3610
thermometers, resistance, based on Ge and composition carbon, 4.2 to 0.5K 2−3121
time-domain, electromagnetic waveform measurements appl. 2−11561
transducer, current to voltage for low acoustic frequencies *(Italian)* 2−7073
triple hot-film probe calibration in water 2−3616
tunable pulse generator for calibration of superconducting solenoids by NMR method 2−14018
ultrasoft X-ray source for channeltron calibration 2−3349
US pulse echo instrument, compact US delay line for calibration 2−12101
vacuum meters, electrical-discharge, in 10^{-4} to 4.10^{4} Pa range 2−17169
VHF omnirange radial aircraft navigation system, waveform synthesis and calibration 2−12025
visible IR spin-scan radiometer atmospheric sounder 2−17558
voltage convertor, thermal, with BNC input connector 2−11571
wind-vane mounted three-dimens. hot-wire probes, flow around sensor 2−3595
Ag halides, photocond. meas. using microwave cavity 2−11600
^{252}Cf neutron source, calibration by circulated $MnSO_4$ bath technique *(Japanese)* 2−3356
Fe-CuNi sheathed thermocouple, reference standard for calibrating industrial thermocouples *(German)* 2−11438
Ge:Ga, far IR and sub-MM detector, spectral response from blackbody meas. 2−11487
Ge(Li) detector, efficiency calibration at short source-to-detector distance 2−17237
Ge(Li) detector calibration for neutron activation anal. *(Rumanian)* 2−17255
^{3}He spectrometer calibration and neutron spectrum meas. from Am/Li source 2−11872
Mg-Ar ion chamber sensitivity to high energy neutrons 2−11838
Pt resistance thermometer calibration between 13.81K and 273.15K, interpolation methods 2−11321
^{222}Rn assaying systems, absolute calibration method 2−17431

calling equipment (telephone) *see telephone station equipment*

calorimeters
see also calorimetry
hadron calorimeter, props. relevant to storage rings 2−22491
hadron calorimeter for high-energy heavy ions 2−3368
hadron calorimeter prototype, performance 2−22492
heat sink, wire spun Al sphere, laser energy meas. 2−10323
laser calorimeter, bulk-absorpt., for ps pulsed laser light energy meas. *(Chinese)* 2−17078
laser calorimeter, bulk-absorpt., using semicond. thermopiles, for laser pulse energy meas. *(Chinese)* 2−17077
microcalorimeter, UNIPAN 600 thermodynamic and kinetic parameter determ. in various processes 2−22213
photomultipliers gain regulation system using LED and optical fibres 2−17236
segmented calorimeter for high P_t jet expts. 2−3376

calorimetry
see also calorimeters; specific heat; thermal analysis
electric ignition, three discharge modes, conversion efficiency determined by calorimetry *(German)* 2−18729
low-temperature small sample, SOS thermometer appl. 2−22255
specific heat meas. system, automated 2−22069
superconducting magnet, AC loss measurement, calorimetric method *(Chinese)* 2−9944
Al_2O_3 anodized film, on line colour meas. during electrolytic colouring 2−26977
CsI, highly transparent, bulk absorpt. coeff. at 10.6 μm, laser calorimetry meas. 2−25473
TlCl-TlBr, KRS-b, highly transparent, bulk absorpt. coeff. at 10.6 μm, laser calorimetry meas. 2−25473

caloristers *see calorimeters*

CAMAC
CNEA 20UD tandem accelerator, microcomputer based communication system 2−11740
dilepton triggers, fast ECL-CAMAC processor 2−11862
EPROM programmer for CAMAC channels interfacing, FORTRAN program *(Italian)* 2−19661
gamma-ray spectrometer, data acquisition system 2−7306
logic state analyser 2−17309
module control from Z80 microcomputer 2−22182
multiple-user data acquisition and analysis system for high flux beam reactor 2−7291
neuron membranes computerised investig. of volt-amp and inactivation characts. of ionic channels *(Russian)* 2−27171
recoil missing mass trigger, ECL-CAMAC processor system 2−11861
shower calorimeter, ADC correction and readout, CAMAC processor 2−17303
signal generator, pseudo-random, as standard CAMAC module *(Russian)* 2−24445

camera lenses *see photographic lenses*

camera tubes, television *see television camera tubes*

cameras
see also television cameras
autofocus system for lens shutter cameras, using NMOS technology 2−20708
electronic camera equipment; using ICs *(Spanish)* 2−14256
electronic-shutter reflex, camera, liq.-cryst. exposure display *(t)* 2−22332
flash lamp power supply miniature convertor 2−715
gamma camera data anal. systems, evaluation of count rate losses due to dead time 2−22534
gamma-ray image intensifier camera, peformance study 2−17354
Gammacamera, Toshiba mobile model GCA-50A, diagnostic appls., operation 2−17376
holocamera used for time-averaged or frozen-fringe interferometry 2−2031
holocameras, types 35 and 9×12, easy-to-handle 2−20974
holography, Dennis Gabor memorial symposium, Haifa, Israel (Mar. 1980) 2−18850
IPC 890 industrial camera for materials handling inspection 2−3147
Mavica reflex camera using magnetic disc storage *(German)* 2−20494
medical, rotating laminar emission, with Ge-detector, anal. 2−22547
medical, rotating laminar emission, with Ge-detector, expt. results 2−22546
medical γ-camera, BRH test pattern for evaluation 2−3472
Minolta spotmeter-M, exposure calculation meter *(German)* 2−3155
nuclear medicine imaging with semiconductor gamma cameras 2−27154
profile projector focal plane determination, using optoelectronic method *(German)* 2−22388
radioisotope cameras, view distortion introduced by multiformat imagers 2−3479
safeguards surveillance, camera system based on Super 8 2−7043

candoluminescence *see luminescence*

canted spin arrangements
see also weak ferromagnetism
rare earth-transition metal alloys, uniaxial ferromags., review 2−15109
Li-Zn-Co ferrites, mag. anisotropy anomaly due to Co, permeability meas. 2−15158

capacitance
see also photocapacitance
analysis of a voltage converter, with allowance for a finite input capacitance value *(Russian)* 2−28019
avalanche transistor, junction capacity in breakdown region, current depend. 2−1348
boundary estimates of the capacitance of sole conductors *(Russian)* 2−9235
capacitive convertors, partial capacitance calc. *(Russian)* 2−11436
circuit for capacitance multiplication 2−9178
circular insulated conductors, determ. of elec. potentials and capacitances *(Russian)* 2−15596
circular microstrip disc, determination of capacitance by Noble's variational method, MIC appls. 2−14286
circular microstrip disc capacitance calc., appls. in MIC 2−14287
dipalmitoyl phosphatidyl ethanolamine, charge transport in thin biological films grown by the Langmuir-Blodgett technique 2−5832
electric circuit fundamentals, book 2−13199
electric machines, variational techniques model 2−4040
electrode, dispersion frequency of double-layer capacitance, resists effect 2−4324
Josephson tunnel junction, current-voltage curve simulation for finite capacitance 2−1611
liquid crystal guest-host displays, dielec., electro-optical, and phase change props. 2−7163
MNOS capacitors, high electric field effect on C-V characteristics *(Japanese)* 2−1246
MOS system, surface states and minority carrier generation meas. by DLTS *(Japanese)* 2−9510
MOSFET VLSI, capacitance of interconnection lines, calc., comparison with computer solns. 2−15009
PCB laminates, capacitance of conductors when separated by dielec. material, 'hook' effect 2−14367
PIC resistors, controlling shape to control associated capacitance effects 2−19898
quad-pair symmetrical cable circuits operating capacitance calc. *(Russian)* 2−27445
shielded microstrip on anisotropic substrate, characteristics *(Spanish)* 2−15754
solar cell, open circuit voltage decay transients 2−12868
solid-state electrochem. cells, electrode and interface reactions, review 2−12797
sphere-plate electrode systems, approx. capacitance formula *(German)* 2−3796
thin-layer interdigital transducers, static capacitance, charge and potential distrib. *(French)* 2−25416
VLSI parasitic capacitance determination by flux tubes 2−25297
As-Se-Te, metal-semicond.-metal struct., elec. props. 2−25101
n-GaAs, photoelectrochemical corrosion, effect of Au monolayer 2−5649
n-GaAs-oxide layer, interface defect states effect on electronic props. 2−14717
Ge_3N_4-GaAs MIS devices, elec. characts. and memory behaviour 2−25091
Mo-chalcogenide glass-Mo struct., dielec. props. study 2−1256
Nb-NbO_x-PbIn Josephson edge junction, specific capacitance 2−20575
a-Si:H, photoresponse time and density of localised states in mobility gap 2−25001
Si-SiO_2 MOS struct., electron capture at Na^+ sites, 77 to 296K 2−25080
SiO_2-GaAs, MIS diode, props. of spin-on interfaces 2−1389
SiO_2-Si, avalanche electron injection, interface states generation 2−9506

capacitance measurement
bipolar IC subcollector/isolation spacing, nondestructive misalignment characterization by meas. of subcollector capacitance 2−1447
bridge for reactor loss meas., current-comparator based, frequency compensated 2−11537
bridge instrument, self-balancing, characts. 2−26898
bridge instrument operation *(Spanish)* 2−3244
bridge modification, current comparator based, direct read-out 2−11535
DFCM 500 8-digit freq. and capacitance meter, mains or Ni-Cad battery operation 2−22293
diodes, computer-assisted system using phase sensitive technique 2−22075

capacitance measurement continued
dip meter for inductance or capacitance measurement, resonant ccts. appl. *(Spanish)* 2−7184
DP 600 capacitance meter, using 555 IC timer, LE DPM200 panel meter 2−3202
electrocalorimetric apparatus for loss meas. in supercond. 2−17001
electrolytic capacitor measurement bridge, capacity value determ. and capacitor leak detect. *(Spanish)* 2−11534
electrolytic capacitors testing for switching mode power supplies *(Danish)* 2−5380
frequency-to-voltage convertor IC 2−14266
go/no go capacitance checker cct. 2−7182
multivibrators, controlled AND gate, used for very small capacitance measurement *(Italian)* 2−11581
ocean wave height meas. using capacitance change probe 2−22727
PCB module pin/line cct. capacitance meas. test fixture, interface with bridge instrument 2−19936
pseudoactive bridge for separation for R and C in a practical capactive/conductive transducer 2−3217
R-C meter using 180° vector method, HF appls. *(Japanese)* 2−3246
RCL measurements, interrelations, parasitics of circuit components 2−3242
review of basic theory and practice 2−11582
RLC measurements, instruments and methods, review *(French)* 2−3190
semiconductor capacitance-voltage plotting and profiling, using vacuum operated Hg probe 2−5663
semiconductor junction capacitance-voltage meas. techniques 2−25059
vibrotransducer, miniature capacitive, for PCB mechanical oscill. amplitude meas. *(Russian)* 2−26833
water purity measurement by electric resistance and capacitance measurements for pollution control *(German)* 2−22747

capacitance meters *see capacitance measurement*

capacitor motors
induction, miniature, design optimisation 2−4250
shaded-pole motor verses permanent split capacitor motor for reversible fan drives 2−12975

capacitor storage
analytical study of transient processes in a capacitive energy accumulation 2−12949
charger for a 1.2-MJ capacitive energy store 2−18623
distribution lines, foils failures, capacitor checker 2−27590
HV impulse capacitors using pure H_2O as dielec., selecting optimum shapes for insulators *(Russian)* 2−23654
HV impulse devices with aqueous insulation, insulator shape optimisation 2−28135
low inductance dischargers, design and performance anal. 2−12948
partial discharge charact. at buried foil edge in liquid impregnated laminate dielec. structures 2−8022
pulse-shaping cct. for high-press. inert-gas laser excitation 2−9057
voltage acting on leads of capacitative energy store 2−4386

capacitor stores *see capacitor storage*

capacitors
see also electrolytic capacitors; thick film capacitors; thin film capacitors; varactors
13.2 kV overhead transmission lines, effects of series capacitors installation on power factor and consumer voltage/power transmitted *(Spanish)* 2−22932
AC HV impregnated capacitors, gas generators in dielec. liquids and partial discharges 2−5384
AC power, castor oil impregnated all-paper capacitors, dielec. behaviour 2−5382
AC power capacitors, changing capacitor technology−failure mechanisms and design innovations 2−5381
applications in petroleum and chemical process industries 2−14320
breakdown voltage under single-pulse conditions 2−24742
capacitance asymptotic formula 2−24743
capacitive transducers, multi-terminal, survey of theoretical background 2−22252
ceramic, loss factor measurement conditions accuracy improvements *(Czech)* 2−24740
ceramic dielectric for capacitor 2−20430
chip components for printed circuits *(German)* 2−14307
cylindrical, paradox of Newton's Third Law being apparently disobeyed, speculations 2−5829
cylindrical capacitor retention system for PCBs 2−14517
decoupling, miniature, for HF appl., props. and selection criteria *(German)* 2−19900
displacement current, field theory approach 2−15603
distribution lines, foils failures, capacitor checker 2−27590
distribution primary feeder loss-reduction shunt capacitor placement 2−17712
double poly Si plate capacitors with SiO_2/Si_3N_4 insulators 2−25342
EHV series capacitor equipment protection and control 2−12292
electronic components, instruments and troubleshooting, book 2−4572
elliptical capacitors, thin, conducting, electric pot. distrib. calc. 2−14316
encapsulation using rotary and shuttle thermoplastic injection molding system 2−14319
flotation scheme, circuit simulation using current conveyors 2−5276
grounded-capacitor ideal freq. dependent negative resistance and oscillator using current conveyors 2−24429
heavy current capacitors in power electronics, requirements and use *(German)* 2−18325
high-volume testing for production/inspection appls., meas. instrumentation selection 2−13279
HV power capacitors, hydrocarbon oil filled mixed dielectric, performance tests 2−14317
hybrid IC, monolithic ceramic chip capacitor mass tinnning using vapour phase reflow process 2−14543
hybrid microcircuit technology status in India, role of chip capacitors and miniature packages 2−14538
III-V substrates, used for IC capacitors, technology 2−25320
impedance meas., automatic production testing requirements 2−4643
induction motor appl. 2−27931
laboratory manual, book 2−25257
manufacturing defects and user's faults, remedial measures 2−5378
manufacturing using reel fed continuous strip system 2−14318
metal film capacitor reliability, rel. to equivalent series resistance *(Italian)* 2−19902
metallised polypropylene capacitors, charact. and appls. 2−5379
miniature decoupling, for HF appls. *(German)* 2−9246

capacitors continued
MOS capacitors, matching props., voltage and temp. depend. 2−20255
multilayer ceramic capacitor, large capacitance using ceramic dielectric 2−24741
multilayer ceramic capacitor failure mechanisms causing high elec. leakage 2−19901
no-break power supplies, capacitor-based changeover device *(French)* 2−22866
partial discharge and insulation strength determ. *(Russian)* 2−9247
plates, current density distribution nonuniformity calc. *(Russian)* 2−9248
polychlorinated biphenyls used in power capacitors and transformers, safe handling and disposal, EPRI research 2−27953
power capacitors with external and internal fusing, comparison 2−965
power plant brass condensers, experimental anal. of corrosion inhibition *(Czech)* 2−3811
power system active power losses reduction using power capacitors impregnated with new non-chlorinated compounds for increased kVA ratings, high reliability and active losses reduction 2−27412
power transmission series capacitor protection by metal oxide resistor 2−17775
precision capacitors calibration, cryst. structural props. under dielec. load 2−1466
reactive power compensation for energy savings, compensating capacitors charcts; construction and manufacture review *(German)* 2−3673
reliability tests, error causes, failure rate *(German)* 2−19903
resorption current, limited by space charge distrib. from absorption current 2−14313
selection, operation and maintenance of power capacitors 2−5377
sense capacitor for capacitive keyboards 2−967
Siemens' MKP polypropylene film capacitor, charcts. 2−969
single phase motors, starting capacitors, operating regimes investigation. 2−4141
standardisation of graphical symbols *(Czech)* 2−5374
technology development in India 2−14309
technology of fuse protection in HV capacitor application 2−7580
timing capacitors, leakage resistance reduction 2−5305
trimming, laser processing research at Texas A&M University 2−9543
voltage degradation model, from accelerated life tests 2−25371
wound capacitors, letter-coded, standardization *(German)* 2−966
Au-doped MOS capacitor, truncated load method for modelling *(Rumanian)* 2−1239
KH_2PO_4, dielectric props., conduct., multilayer capacitor, electrooptic study 2−9755
SiO_2, electron traps, processing parameters influence 2−9249

capacity, channel *see channel capacity*

carbon fibre reinforced composites
graphite fibre reinforced Al, US charact. of elastic const. and moduli 2−8887
graphite fibre reinforced epoxy laminate, fatigue damage monitoring by US mapping 2−5043
graphite fibre reinforced epoxy laminate, US methods for characterising response 2−8880
nondestructive testing and fatigue behaviour 2−8859
RF characteristics, elec. resist meas. for freq. range DC-300 MHz, screening performance, app- l. in aircraft EMC problems 2−6345

carbon fibres
see also carbon fibre reinforced composites
4 GHz output multiplexer development, for Telecom-I satellite *(French)* 2−11022
micropoint emitter, electrolum. effects associated with electron field emission 2−14564

carbon microphones *see microphones*

carcinotrons
1 mm source for 1 mm wavelength electron density interferometer 2 −22375
submillimetre-wave carcinotrons, improvements in size, weight and reliability 2−20037

cardiology
see also blood; electrocardiography
action potential propagation meas., laser scanning system 2−22551
ambulatory patients, assessment of circadian rhythm of blood press. and heart rate 2−22539
apex region human cardiac activity, detect. by laser speckle 2−3462
beat monitor, using IR sensor, skin refl. change detect. 2−3468
biosignal visualization devices for equipment of cardiology units, CRT oscilloscope development 2−17380
blood flow rel. to cardiac output, meas. using multiplexed ultrasound Doppler-microcomputer combination 2−27160
cardiopulmonary data-acquisition system, computerised control of stress rates 2−3459
disease detection using non-invasive low cost high fidelity ECG 2−11945
displacement cardiograph including a device sensitive to torso resistivity variations, phys. principles 2−3469
fibre optic sensors for medical appls., intravascular cardiological exam. 2−6031
foetal heart rate monitoring in cattle and sheep using repeater telemetry methods 2−27114
heart rate data acquisition, cardiotachometer using KIM-1 single board computer 2−17349
impedance plethysmography for cardiac output meas. 2−11943
instrumentation for resuscitation and intensive care departments in cardiological service 2−11951
isotopic image processing 2−3486
left ventricular assist device, magnetically actuated implantable 2−11966
left ventricular press. of conscious dogs, telemetry system 2−22537
microcomputer-based measurement of beat-to-beat intervals and analysis of heart rate variability 2−17386
myocardial infarction, acute, short-term prognosis using stepwise probit discrimination 2−4779
myocardial infarction estimation from unipolar epicardial QRS pots. 2−11944
myocardial stimulation with ultrashort duration stimuli, dog expts. 2−11954
pacing threshold estimation for heart-electrode combination, graphical method 2−11956
rate telemetry, short-distance, capactive, sports and health care appl. 2−11948
scintigrams, time-gated, of cardiac boundaries, processing using digital boundary detect. techniques 2−7317
single emission tomography research 2−7325

cardiology continued
SQUID, flat DC thin film, appl. and technique for biomag. meas. 2−11895
SQUID magnetometer detection of magnetocardiogram, clinical magnetocardiology approach *(Japanese)* 2−11901
stimulator, for investigating atrial and ventricular vulnerability *(German)* 2−11921
ultrasonic patient locating system *(Dutch)* 2−7339
US CW Doppler FHR signals, meas., extraction and processing *(Chinese)* 2−7463
US diagnostic instrument types for use in different medical fields 2−11893
US multichannel pulsed Doppler blood flowmeter, minicomputer-based 2−11918

carrier avalanches *see impact ionisation*

carrier communication
see also carrier telegraphy; carrier telephony; carrier transmission on power lines
Austrian power companies radio networks *(German)* 2−16357
Austrian radio network *(German)* 2−16358
Austrian radio network systems *(German)* 2−16359
German Federal Railway, carrier freq. system for data communication *(German)* 2−21710
radio network measurement equipment *(German)* 2−16364
single channel per carrier, remote station interconnections, Indian satellite network appl. 2−21428
single channel per carrier satellite earth station line-up, testing in India, INTELSAT IVA appl. 2−21784
voice activated SCPC/FM carriers through nonlinear repeaters, effects in transmission 2−10519

carrier density
see also current density
C-CD, self-induced field profile, steady-state distrib. of signal carriers 2−1371
diode laser introduction, injected carrier conc. rel. to optical gain 2−6222
IV-VI semiconductors, basic properties, evolving perspectives and unifying characts. 2−9468
MOS and FAMOS transistors, channel hot electron injection effect on spatial distrib. of interface charge 2−25261
n^+-n junction, carrier exclusion for low impurity carrier conc. 2−25057
p-n junction, abrupt, forward biased, model for terminal characts. and inject efficiency 2−25060
p-n junction solar cells, photo voltage decay method for minority carrier lifetime meas. 2−12858
$pb_{1-x}Sn_xSe$ heterostructure for injection lasers 2−25799
Schottky diode, diffusion current density calc. using Gummel number 2−25195
semiconductor, diffusion of high density electrons and holes, and many-body effects 2−24899
semiconductor, homostructures, electrostatic pot., space charge region 2−25065
semiconductor characterisation by Raman scatt. 2−9396
semiconductor characterisation uses of modulation spectroscopy, review 2−9397
semiconductor laser injection locking, refractive index depend. on active layer carrier density 2−25777
semiconductor surface, potential, elec. field, charge density, mobile carrier conc., equilib. soln. 2−20055
semiconductor-multilayer dielec. coating struct., field effect cond. at enriching voltages *(Russian)* 2−25095
semiconductors, compensated, localised charge carriers, particle statistics and transport 2−9390
transferred-electron logic devices, domain form., fluctuations meas. by optical pulses 2−25179
$Al_xGa_{1-x}As$-GaAs heterojunction FET, magnetoconductance, g-factor, gate voltage 2−20270
$Al_{0.48}In_{0.52}As$, MBE layers, elec. props. 2−14639
$Al_{0.48}In_{0.52}As$:Be, MBE grown, Be doping 2−567
Au-mica-p-Te:Cu film MIS struct., field effect studies 2−20145
$Cd_xHg_{1-x}Te$, photothermomagnetic effect in mm and submm ranges 2−6091
$Cd_xHg_{1-x}Te$, resist. and Hall coeff., 4.2 to 30K 2−20082
CdS film, chemically sprayed, struct. and electronic props., solar cell appl. 2−5567
CdS, film, elec. props. rel. to struct. and comp. 2−24967
CdS:$CuCl_2$, baked layers, effects on elec. and photoelectrical props. 2−14653
CdSe, film, elec. props. rel. to struct. and comp. 2−24967
p-CdTe, covered with dielec. films, annealing effects, diffusion phenomena and carrier conc. *(Japanese)* 2−20147
CdTe undoped p-type annealed in vacuum, electrical and crystalline props. 2−1189
$CuInSe_2$ single crystal, carrier heating by microwave elec. field 2−5593
$CuInTe_2$ single crysts., as-grown elec. props. 2−25032
Cu_2S-CdS dry process solar cells, CdS carrier concentration influence on cell props. 2−18512
$Cu_{2-x}S$-CdS thin film solar cells with dual impurity distrib. in base 2−23432
$Ga_{1-x}Al_xAs$, MO-CVD growth, quantum well transport structs. 2−5021
GaAs, Czochralski grown, liq. encapsulated technique, elec. compensation, melt stoichiometry effect 2−24954
GaAs, epitaxial layer thickness, dependence of electrophysical parameters *(Russian)* 2−5552
GaAs epitaxial layers, by low pressure MOVPE, using triethylgallium as Ga source 2−4990
n-GaAs, epitaxially grown, p-type buffer layer, evaluation using Hall meas. 2−9429
GaAs, laser annealing induced defects 2−20078
GaAs, MO-CVD, p-type, diffusion lengths 2−5556
GaAs MOS structures, charge trapping in anodic native oxide under pulsed laser illum. 2−20144
GaAs multilayer struct., carrier conc. and mobility, rapid determ. method 2−5568
n-GaAs, Raman scatt. from ion implanted carriers 2−24987
GaAs, selective carrier removal using O implantation 2−14760
GaAs, semi-insulating, ohmic behaviour 2−1178
GaAs substrates, Cr, Si, Mn, and Fe distrib. after annealing with and without SiO_2 encapsulant 2−14765
GaAs substrates, monolayer-Sn technique for solving substrate film interface high resist. problem in MBE 2−13815

carrier density continued
GaAs, VPE growth in low press. halogen transport system 2−8810
n-GaAs wafer, proton implanted, IR reflectivity characteris. 2−9561
GaAs:S, MBE layers, electrochem. doped, elec. props. 2−25143
GaAs:Si, ion implanted and annealed, carrier conc. profiles, C-V meas. techniques 2−9552
GaAs:Te,Zn, heavily doped material with p-n junction, SEM local cathodolum. obs. 2−24957
GaAs:Zn, polycrystalline, optoelectronic props. rel. to grain boundary features, cathodoluminesc. anal. 2−20089
p-GaAs/P-$Ga_{1-x}Al_xAs$ isotype heterojunction in DH laser materials 2−25049
GaAs-(AlGa)As heterojunction interfaces, modulation doped, electron mobility depend. on electron density and Al conc. 2−14672
GaAs-$Al_xGa_{1-x}As$ superlattice, energy levels and cond. in appl. mag. field 2−5605
GaAs-AlGaAs DH injection laser, active layer radiative processes in strong mag. field 2−25796
GaAs-AlGaAs heterojunction interface, backside-gated modulation-doped 2−5600
GaAs-GaAlAs, DH laser grown by metalorganic CVD process 2−1965
GaAs-GaAlAs diode laser, multiple segment stripe contact, effect of non-uniform current 2−1963
$GaAs_{1-x}P_x$, direct-gap, electron-hole plasma expansion, photoluminesc. study 2−14648
$Ga_{0.47}In_{0.53}As$, LPE growth, baking temp. effect on purity, photoluminesc. and elec. props. 2−13823
$Ga_{0.47}In_{0.53}As$:Be, MBE grown, Be doping 2−567
$Ga_{0.47}In_{0.53}As$:Sn, MBE layers, elec. props. 2−14639
GaP, lanthanide doping influence on elec. and photolum. props., LED material 2−24965
GaP-Au surface barrier structs., elec. breakdown mechanisms 2−9501
GaSb:Te and GaSb:Te,Zn, charge transport characts., 80 to 700K 2−20080
Ga_2Te_3 thin films, prep. and elec. props. 2−5592
n-gas methodic error in carrier conc. meas. by far IR absorpt. 2−5550
Ge, point defects and disordered regions due to irrad., magnetoresist. meas. 2−5540
Ge:Li, γ-irrad., radiation defect interaction with impurity atoms 2−14768
GeTe amorphous thin films, elec. cond. mechanisms 2−5578
$Hg_{0.9}Cd_{0.1}Te$, electron freezeout and hopping cond., magnetoresist. and Hall effect meas. 2−1185
$Hg_{1-x}Cd_xTe$ epitaxial layers, slider LPE growth using Hg press. controlled growth solns. 2−13829
$(Hg_{1-x}Cd_x)Te$ RF sputtered thin films, effect of annealing in Hg vapour on props. 2−5557
$(Hg_{1-x}Cd_x)Te$ RF triode-sputtering film for IR detector arrays 2−9436
In_2O_3 films, evaporation from In_2O_3/In source, chemical and elec. props. 2−8832
n-InP, γ-irradiated, homogeneously compensated, electron mobility at low electron density 2−14652
InP, LPE-grown, effect of substrate orientation on electrical properties 2−14636
InP, MM-wave transferred electron oscillators 2−953
InP, polycrystalline, low temp. growth, elec. props. meas. 2−13810
InP:Co, single cryst. growth and elec. props. 2−4980
n-InP:Cu, homogeneously compensated, electron mobility at low electron density 2−14652
InP:Fe, Mg(Zn), ion implanted, struct. and elec. props. 2−14761
InP:O, horizontal Bridgman growth, O doping effect, Hall effect meas. 2−9558
p-InSb, extrinsic semicond., magnetoconc. effect 2−5561
p-InSb film, hydrogenated, elec. transport props. 2−5553
n-InSb, Landau levels nonthermal broadening, transverse magnetoresist. and photomag. effect 2−5560
p-InSb, light and heavy hole mobility and conc., effect of dislocations *(Russian)* 2−14657
$In_{2-x}Sn_xO_{3-y}$ films, sputter deposited, elec. and optical props., heat treatment effects 2−14660
Pb salt epitaxial film, photovoltaic diode IR detector, modified hot wall technique prep. 2−10155
PbS crystals, connection between elec. and deform. characts. 2−1207
$Pb_{1-x}Sn_xTe$:Cd, carrier density, temp. depend. 2−9474
PbTe (111) epitaxial thin films, elec. transport props., thermal-cycling induced changes 2−9465
PbTe, diffusion of Cd, effect on elec. props. 2−1209
Si, amorphous, trap-controlled dispersive transport and exponential band tails 2−20718
Si, amorphous thin-layers production and appls. *(German)* 2−24944
Si CVD films, polycryst., elec. props., depend. on grain size and impurity doping conc. 2−14616
Si, carrier density, deformation potential constants, Hall effect anal. 2−14624
n-Si, cond. in strong alternating elec. fields 2−14633
Si, ion implanted, pulsed electron beam apparatus and annealing 2−9408
Si, laser annealing, computer model of lattice temp., carrier conc. and temp. 2−25127
Si p^+-s-n^+ epitaxial diode, double reflection effect on forward I-V characts. 2−25199
Si p-i-n structure, homogeneously heated, injection effects 2−5616
Si, photoelectric effects, lux depends. under surface and bulk Auger recomb. conditions 2−6092
Si, point defects and disordered regions due to irrad., magnetoresist. meas. 2−5540
Si:As, ion implanted, doping profiles and elec. activation, Rutherford backscatt. study 2−14763
Si:As, ion implanted, polycrystn. film, laser irrad , elec. props. grain size, annealing effect 2−9404
Si:Cr, energy levels and degeneracy ratios determ. from Hall coeffs. 2−14627
Si:Ga, high dose implanted, thermal annealing and elec. activation 2−1297
Si:H,P, amorphous, photogenerated carrier recombination 2−24929
Si:P film, polycryst., elec. characts., O content effect 2−1148
Si-Al_2O_3, charge carrier props. in p-type layers of SOS 2−6087
Si-GaP heterojunction, elec. and photoelec. props. 2−25062
Si-Ge:P, thermal cond. change by precip. of dopant 2−25036
Si-MOS n-inversion layers, Anderson localisation and negative magnetostresistance *(Japanese)* 2−14721
Si-SiO_2 MOS system, As implants through SiO_2 layer, TEM, Rutherford backscatt. and device characts. study 2−20198

carrier density continued
SiH_x amorphous Schottky barrier solar cell, carrier collection efficiency, recombination effects 2−7994
SnOx, amorphous spray coating, elec. and optical props. 2−20104
$TlBiSe_2$-PbSe, phase diagram, electrophysical props. 2−5585
ZnO film prep. by metalorganic CVD from diethyl zinc 2−24326

carrier diffusion length *see carrier lifetime*

carrier lifetime
bipolar devices, two dimensional simulation 2−5731
C-CD, thermal generation currents, phase electrode bias voltage depend. 2−5755
chalcogenide glasses, review of studies at Ioffe Physical-Technical Institute, USSR 2−25004
GaAs photodiode, sensitivity mapping using laser beam scanning equipment *(Slovak)* 2−25620
IMPATT device, hot carriers, high freq. behaviour, semiparticular simulation 2−25190
interdigitated back contact solar cell with high-current collection 2−23628
LEDs, electron lifetime and bandwidth determ. by phase detection method 2−15417
many-layered heterostruct., hot electron vel. correl. and diffusion 2−25058
minority carrier diffusion coeff. in heavily doped semicond. region of Si device 2−25208
MIS solar cells, computer-aided anal. of short circuit current, spectral response meas. appls. 2−23464
MIS structures, minority carrier lifetime and doping profile determ. by photoinjection 2−9504
MOS capacitor, B doped, generation lifetime, C-t characteristics meas. 2−14714
MOS capacitor, generation lifetime determ. from I-V and I-t meas. 2−25090
MOS structure, low-doped, pulsed photoinjection, characteris. of doping level and minority carrier lifetime 2−9512
one-dimensional disordered system, excited states lifetime 2−9453
p-n junction, hot carrier thermo-EMF under strong forward bias conditions 2−5619
p-n junction, minority carrier lifetime meas. by laser scanning digital system *(Rumanian)* 2−20121
p-n junction diode, effect of emitter recombinations on open circuit voltage decay 2−14836
p-n junction diode, normal modes for materials parameter determ., open-circuit voltage decay 2−9619
p-n junction solar cells, photo voltage decay method for minority carrier lifetime meas. 2−12858
p-n mesa diodes, ion implanted, furnace and laser annealed, carrier effective lifetime 2−14831
photoelectrolysis cell, current-voltage characteristics 2−18408
photovoltaic detector arrays, backside-illuminated, MTF modelling 2−15405
power diodes, comparison of perform. of Au and Pt killed devices, leakage current and switching time meas. 2−25198
semiconductor diode, minority carrier lifetime meas. using open-circuit voltage decay technique, depletion layer effects 2−5728
semiconductor laser, modulation response, lateral carrier diffusion effect 2−1951
semiconductor material/device characteris. using two-wavelength laser scanner 2−10405
semiconductor thin film, minority carrier bulk diffusion length determ. by SEM-EBIC 2−14832
semiconductor ultrathin film, non-parabolic, Einstein relation, size quantisation effect 2−9389
semiconductors, direct gap, minority carrier lifetime, electron beam induced current study 2−24971
Si n^+-n^--p^+ rectifier junction, induced short circuit currents 2−9484
solar cell, band gap narrowing evaluation methodology based on measurements of emitter and base lifetimes and relaxation time 2−23463
solar cells, carrier redistribution anal. within junction using kinetic method 2−23465
solar cells, effect of O_2 impurities 2−23642
solar cells, p-n junction, generalised approach to minority carrier lifetime meas. 2−4365
solar cells, Si-on-ceramic, evaluation for low-cost fabrication 2−12894
wafer surface contamination level meas. based on bulk lifetime 2−1313
(Al,Ga)As epilayers, and DH lasers, minority carrier lifetime and luminescence 2−5555
AlGaAs-GaAs solar cells, proton irrad., radiation-induced deep-level defects, annealing, DLTS, SEM 2−18551
$B_{12}GeO_{20}$, wide-gap semicond., free carrier exclusion in current-voltage characts. 2−20117
Cu_2O Schottky-barrier solar cells, minority carrier diffusion length meas. for Cu-Cu_2O functions 2−23611
$Ga_{1-x}Al_xAs$, double-sided heterostructure laser, spectral and temporal characts. 2−1957
GaAs, MO-CVD, p-type, diffusion lengths 2−5556
GaAs, minority carrier lifetime, electron beam induced current study 2−24971
GaAs p^+-n-n^+ structs., nonequilib. minority carriers, effective lifetime in lightly doped n-type region 2−9495
p-GaAs, reemission effect on carrier transport 2−5566
GaAs, semi-insulating, ohmic behaviour 2−1178
GaAs:Cr S-type diodes, impedance under double injection conditions, switching mechanism 2−20127
GaAs:Sn,Cu, electrical props. investigation 2−1186
GaAs:Zn, polycrystalline, optoelectronic props. rel. to grain boundary features, cathodoluminesc. anal. 2−20089
GaAs-GaAlAs, DH laser grown by metalorganic CVD process 2−1965
GaAs-GaAlAs DH lasers, nonradiative lifetime and leakage losses 2−6214
GaP:N, Al^{2+} postimplantation gettering effects in p-n junctions 2−9485
n-GaSb:S, minority carrier diffusion length, photoconductivity study 2−9441
Ge, surface recombination and bulk lifetime contactless PME investig. 2−10161
Ge-Se evaporated film, amorphous, non-dispersive and dispersive transport 2−25000
$Hg_{0.7}Cd_{0.3}Te$, photogenerated carrier lifetime meas. using contactless opt. technique 2−9432
p-$Hg_{1-x}Cd_xTe$, deep levels, correlation with photodiode performance 2−1176
p-$Hg_{1-x}Cd_xTe$, electron irrad. and annealed, carrier lifetime and recomb. props. 2−9439
p-$Hg_{1-x}Cd_xTe$ photodiode, minority carrier lifetime and recomb. mech. 2−1177
In-phthalocyanine, metal free x-phase, solar cell, low freq. photocapacitance 2−18474
p-$In_{0.75}Ga_{0.25}As_{0.55}P_{0.45}$:Cd LPE layer, doping characts. and elec. props. 2−20186
n-InP single cryst., electron mobility and minority carrier lifetime 2−9428
InSb, conductivity fluctuations in crossed elec. and mag. fields 2−5564
n-InSb, hot electrons, noise and diffusivity 2−24977
n-InSb, non-parabolic, ultrathin films, Einstein relation, size quantisation effect 2−9389
InSb, photoexcited hot carriers, far IR cyclotron reson. and emission 2−24980
InSb, photoexcited hot carrier lifetime, magnetophonon oscillations 2−24982
$Pb_{1-x}Sn_xSe$ photovoltaic detectors, minority carrier lifetimes, resist.-area product 2−15374
Se, liquid, photoconductivity 2−20063
Si, amorphous, solar cells, materials, assessment, internal field, hole transport and lifetime 2−23429
Si amorphous p-i-n junction, drift type photovoltaic effect 2−25106
Si, electron diffusion coeff. 2−14613
Si, electron irrad., minority carrier lifetime meas. 2−24946
Si, laser damage gettering and lifetime improvement appl. 2−9406
p-Si, low resist., minority carrier diffusion length, heat treatment effect 2−24945
p-Si, minority carrier diffusion length meas., evaluation of surface photovoltage method 2−14628
Si, minority carrier lifetime inhomogeneities, liq. rectifying contacts, laser scanning tech. 2−1158
Si, neutron irrad. dislocation-free crysts., annealing influence on elec. and struct. props. 2−24920
Si on metallurgical grade Si, heat treatment effects 2−18492
Si p-n junction, alpha particle irrad., radiation defects 2−5618
Si, polycrystalline, solar cells, grain size dependence of photovoltaic props. 2−18489
Si, polycrystalline films, diffusion length meas. method based on photovoltaic conversion 2−6088
p-Si, SCL current flow, hot holes and noise 2−24936
a-Si Schottky barrier solar cells, localised states and photocond. 2−4344
Si sheet, ion implanted thin film solar cells 2−23515
Si, solar cell, single cryst. and polycryst., minority carrier diffusion length 2−18472
Si solar cell fabrication, carrier lifetime rel. to doping density, importance of low-temp. processing 2−18566
Si solar cells, fabricated by planar technology, characts. 2−7989
Si solar cells, minority carrier lifetime, laser-transient photovoltaic effect study 2−28110
Si solar cells, polycrystalline, p^+-n-n^+ structure, low cost development 2−12898
Si solar cells columnar, diffusion parameters optimisation using two-step diffusion of phosphorus 2−12900
Si solar cells crystalline, non-single, grain boundaries electrical props. 2−12907
Si substrates, numerical anal. of minority carrier lifetime, contactless meas. technique *(Japanese)* 2−9409
Si, surface recombination and bulk lifetime contactless PME investig. 2−10161
Si wafer processing, temp. gradient zone melting appl. 2−14745
Si:Au(Pt), deep levels, effect on device performance *(Japanese)* 2−14647
Si:$B^+(P^+)(As^+)$, solar cells, prep. by ion implantation and pulsed laser annealing, optical and elec. characterisation 2−12862
Si:H, amorphous, solar cells, electronic props., review 2−24995
Si:H, amorphous Schottky barrier solar cells, prep. by plasma decomp. and sputtering, carrier generation efficiency 2−12861
Si:H, intrinsic, amorphous, dual light beam modulation of photocarrier lifetime 2−25576
a-Si:H, photoresponse time and density of localised states in mobility gap 2−25001
Si:H Schottky barrier diodes, amorphous, electrical characterisation 2−23445
Si-SiO_2-Ta sputtered coating, interface stresses and elec. props. 2−14730
SiH_x amorphous Schottky barrier solar cell, carrier collection efficiency, recombination effects 2−7994
Zn_3P_2-Mg, p-n junction form., carrier diffusion lengths, collection efficiency spectral response, EBIC meas. 2−14690

carrier mean free path
semiconductor, ultrafine 2−1143
submicron device transport, use of Wigner distrib. function 2−25177

carrier mobility
see also carrier mean free path; carrier relaxation time; current density; electron-hole recombination
bipolar devices, two dimensional simulation 2−5731
dielectric liquid, plane layer, overstable electrothermal instabilities 2−9759
elemental semiconductors, mobility fluctuation 1/f noise, elec. field depend. 2−1163
glassy semiconductors, mobility distrib. in drift of carriers 2−9456
IGFET, n-channel, time-dependent numerical model 2−5753
II-V compounds, amorphous and cryst., thin films, prep., struct., elec. and optical props. 2−13848
III-V semiconductors, carrier velocities, time depend., Boltzmann eqn., iterative soln. 2−24979
III-V semiconductors, vacuum metalorganic CVD epitaxial layers, carrier mobility 2−13816
IMPATT diode, HF energy relaxation effects on injected current pulse 2−14827
IV-VI semiconductors, basic properties, evolving perspectives and unifying characts. 2−9468
many-valley semiconductor, intervalley diffusion of hot-electrons 2−24905
MNOS structure, degradation props. 2−9507
MOSFET, n-channel deep depletion mode, surface electron mobility 2−9646
MOSFET, poly Si, laser crystallised, elec. characts., effects of grain boundaries 2−9656
MOSFET, polycrystalline Si, lower annealed, field effect electron mobility 2−14879

carrier mobility continued
MOSFET, submicron, carrier vel.-elec. field relation and field distrib. 2−25248
MOSFET channel length, mobility, gate-bias dependence and parasitic series resist., elec. determ. 2−14866
MOSFETs, field effect mobility, bulk doping depend. 2−9661
NMOS transistors, ^{60}Co radiation effects on laser annealed SOS 2−15000
organic semiconductor, model of photogeneration of carriers 2−15389
p-n junction, abrupt, forward biased, model for terminal charact. and inject efficiency 2−25060
poly-N-vinyl carbazole, model of photogeneration of carriers 2−15389
polyethylene terephthalate films, 'slow' electronic carrier motion 2−5859
Schottky diode, ion implantation effect on current transport 2−5727
semiconductor, diffusion of high density electrons and holes, and many-body effects 2−24899
semiconductor, frequency and wavevector dependent diffusion coefficient of electrons from Monte Carlo calculations 2−24906
semiconductor, non-equilib. hot-carrier diffusion phenomenon, theoretical non-Markovian approach 2−24903
semiconductor, polycrystalline, carrier mobility, grain boundary barrier model 2−9388
semiconductor, ultrafine 2−1143
semiconductor characterisation by Raman scatt. 2−9396
semiconductor film, carrier mobility and resistivity, spreading magnetoresist. determ. 2−24914
semiconductor heterolayer, two-dimensional electron transport, screening 2−5611
semiconductor layer structures, high-freq. charact. 2−9488
semiconductor superlattice, electron drag by solitons 2−5620
semiconductor ultrathin film, non-parabolic, Einstein relation, size quantisation effect 2−9389
semiconductors, amorphous, cond., drift and diffusion 2−5584
semiconductors, compensated, localised charge carriers, particle statistics and transport 2−9390
semiconductors, doped, diffusion of electrons and holes at high lattice and electronic temps. 2−24907
semiconductors, non-equilib., hot-carrier diffusion phenomenon, Monte Carlo approach 2−24904
a-Si:H photovoltaic cells conversion efficiency limiting parameters anal. 2−18517
solar cell spectral response, effect of minority carrier mobility variations 2−23563
solar cells, MIS, p-type, electron capture by surface states, adverse and beneficial effects 2−23448
temperature dependence, n-channel enhancement-mode MOSFET characteristics from 10 to 300K 2−20259
(Al,Ga)As-GaAs heterostruct., electron mobility, background doping effect 2−14676
Al-SiO_2-Si structure, hole mobility and density of states at Si-SiO_2 interface 2−5637
$Al_xGa_{1-x}As$-GaAs heterostructure, modulation doped, MBE grown, electron mobility study 2−5604
$Al_xGa_{1-x}As$-GaAs heterostructures, carrier mobility enhancement 2−20123
$Al_xGa_{1-x}As$-GaAs heterojunction FET, transport props. 2−20250
$Al_{0.48}In_{0.52}As$, MBE layers, elec. props. 2−14639
$Al_{0.48}In_{0.52}As$:Be, MBE grown, Be doping 2−567
As-Se, glassy, hole drift mobility, composition and struct. depend. 2−25009
As_2S_3-Sb_2S_3 and As_2S_3:Sn, glassy, hole drift mobility, composition and struct. depend. 2−25009
As_2Se_3 glass, pure and doped, transient hole transport meas. 2−14663
$As_{30}Te_{48}Ge_{10}Si_{12}$, amorphous, transient switching process, simple analytical explanation 2−5577
Au-mica-p-Te:Cu film MIS struct., field effect studies 2−20145
α-B, rhomobohedral, elec. cond., thermoelec. power and Hall coeff. 2−24926
Cd_3As_2, amorphous films, elec. transport props. 2−20105
n-CdS crystals, annealed in Cd or In, elec. cond. props. 2−24970
CdS:$CuCl_2$, baked layers, effects on elec. and photoelectrical props. 2−14653
CdTe, transient hot-carrier phenomena, method of moments for anal. 2−24935
n-CdTe:Pb films, vapour deposited, elec. anal. optical props. 2−14655
$CuInSe_2$ single crystal, carrier heating by microwave elec. field 2−5593
$CuInTe_2$ single crysts., as-grown elec. props. 2−25032
$Ga_{1-x}Al_xAs$, conduction band structure from Hall mobility measurements at high pressures 2−24964
n-$Ga_{1-x}Al_xAs$ epitaxial layers, Hall to drift mobility ratio 2−5559
n-$Ga_{1-x}Al_xAs$ epitaxial layer, intervalley scatt., Hall mobility study 2−9424
n-$Ga_{1-x}Al_xAs$ epitaxial layers, electron mobility 2−9431
GaAs electron mobility, space-charge and central-cell scatt. contrib. reassessment 2−9426
n-GaAs, epitaxially grown, p-type buffer layer, evaluation using Hall meas. 2−9429
GaAs, impact ionisation, band struct. depend. 2−24934
GaAs large diameter bulk crystals for microwave device technology 2−9444
GaAs, laser annealing induced defects 2−20078
GaAs MESFETs magnetotransconductance mobility meas. 2−9652
GaAs, microwave MESFETS, assessment of deep traps 2−1392
GaAs multilayer struct., carrier conc. and mobility, rapid determ. method 2−5568
n-GaAs, transient transport phenomena 2−9443
GaAs, VPE growth in low press. halogen transport system 2−8810
GaAs, VPE layers, implanted and annealed, elec. and optical props. 2−24969
GaAs:Cd^+, ion-doped films, elec. props. 2−14770
GaAs:S, MBE layers, electrochem. doped, elec. props. 2−25143
GaAs:Si, implanted, multiply scanned electron beam annealing 2−24955
GaAs/n-AlGaAs heterostructures, selectivity doped, high mobility electrons, high-speed devices appl. 2−19416
GaAs-(AlGa)As heterostructs., light scatt. spectroscopy of electrons, rel. to transport props. 2−5607
GaAs-(AlGa)As heterojunction interfaces, modulation doped, electron mobility depend. on electron density and Al conc. 2−14672
GaAs-$Al_xGa_{1-x}As$ heterostructure, modulation doped surface and interface proximity effect on quantum melt electron mobilities 2−5608
carrier mobility continued
GaAs-$Al_xGa_{1-x}As$ heterojunctions, transport props., TEGFET and tunnelling device appls. 2−25068
GaAs-AlGaAs heterojunction interface, backside-gated modulation-doped 2−5600
GaAs-GaAlAs modulation doped multilayer struct., optimum cond. and effective mobility conditions, LPE grown -struct. 2−5622
GaAs-n-AlGaAs heterostructure, MBE gram. effect of annealing on elec. props. 2−14679
$Ga_{0.47}In_{0.53}As$ LPE, CVD and VPE layers, electron and hole mobilities of n- and p-type films 2−1196
$Ga_{0.47}In_{0.53}As$, LPE growth, baking temp. effect on purity, photoluminesc. and elec. props. 2−13823
$Ga_{0.47}In_{0.53}As$:Be, MBE grown, Be doping 2−567
$Ga_{0.47}In_{0.53}As$:Sn, MBE layers, elec. props. 2−14639
$Ga_{0.47}In_{0.53}As$-$Al_{0.48}In_{0.52}As$ heterojunction, MBE, modulation doped, electron mobility 2−25046
$Ga_{1-x}In_xAs$ uniform epitaxial layers, organometallic VPE growth, elec. charact. 2−13828
$Ga_xIn_{1-x}As_yP_{1-y}$ electron Hall mobility calc. with two longitudinal optic phonon model 2−9417
GaP, lanthanide doping influence on elec. and photolum. props., LED material 2−24965
GaSb:S MBE film, S doping with H_2S gas 2−20187
GaSb:Te and GaSb:Te,Zn, charge transport charact., 80 to 700K 2−20080
$(GaSb)_{1-x}Ge_x$ films, single cryst. metastable, growth, thermal stability and characteristics 2−13832
Ga_2Te_3 thin films, prep. and elec. props. 2−5592
p-Ge, hot carrier population inversion, Hall effect study 2−24941
Ge, transient hot-carrier phenomena, method of moments for anal. 2−24935
Ge:Li, γ-irrad., radiation defect interaction with impurity atoms 2−14768
$Hg_{0.9}Cd_{0.1}Te$, electron freezeout and hopping cond., magnetoresist. and Hall effect meas. 2−1185
$(Hg_{1-x}Cd_x)Te$ RF sputtered thin films, effect of annealing in Hg vapour on props. 2−5557
$(Hg_{1-x}Cd_x)Te$ RF triode-sputtering film for IR detector arrays 2−9436
$In_{0.53}Ga_{0.47}As$, electron transport and photoluminesc. meas. 2−1193
n-$In_{0.53}Ga_{0.47}As$, electron drift velocity meas. at 300K using microwave time-of-flight technique 2−14638
$In_{0.53}Ga_{0.47}As$ on InP substrate, Mn as p-type dopant, distrib. coeff., room temp. mobility and diffusion coeff. 2−14759
p-$In_{0.53}Ga_{0.47}As$, photoexcited minority electrons, velocity field charact. 2−1172
$In_xGa_{1-x}As$ epitaxial layers, physical charact. *(Czech)* 2−5558
InGaAsP, high purity grown by liq. phase epitaxy 2−19417
InGaAsP n-channel inversion mode MISFET with low interface state density 2−9658
$In_{1-x}Ga_xAs_yP_{1-y}$ lattice matched to InP, comp. depend. of mobility, peak vel. and threshold field 2−5570
n-InP, γ-irradiated, homogeneously compensated, electron mobility at low electron density 2−14652
InP, high purity grown by liq. phase epitaxy 2−19417
InP inversion-mode MISFET, pyrolytic Al_2O_3 deposition temp. effect 2−9659
InP, LPE film growth for MESFET appl. 2−4989
InP, MM-wave transferred electron oscillators 2−953
InP MOSFETs, anodic oxide film as gate insulator 2−25222
InP n-channel inversion mode MISFET using P_3N_5 gate insulator 2−25228
InP, polycrystalline, low temp. growth, elec. props. meas. 2−13810
n-InP single cryst., electron mobility and minority carrier lifetime 2−9428
n-InP:Cu, homogeneously compensated, electron mobility at low electron density 2−14652
InP:Fe, Mg(Zn), ion implanted, struct. and elec. props. 2−14761
InP:S VPE layers, effect of doping on mobility, Hall effect and magnetoresistance meas. 2−24991
n-InSb, electron drift vel. under impact ionisation conditions at 77K 2−5565
p-InSb, extrinsic semicond., magnetoconc. effect 2−5561
p-InSb film, hydrogenated, elec. transport props. 2−5553
p-InSb, light and heavy hole mobility and conc., effect of dislocations *(Russian)* 2−14657
n-InSb, non-parabolic, ultrathin films, Einstein relation, size quantisation effect 2−9389
InSe, cryst. growth 2−558
Ni-n-Si, Schottky barrier diodes, temp. anomalies 2−9623
Pb salt epitaxial film, photovoltaic diode IR detector, modified hot wall technique prep. 2−10155
p-$Pb_{1-x}Cd_xTe$ epitaxial film, elec. transport props. 2−5590
PbS crystals, connection between elec. and deform. charact. 2−1207
$Pb_{1-x}Sn_xTe$, epitaxial layer, elec. cond. and Hall effect *(Russian)* 2−25045
$Pb_{1-x}Sn_xTe$:Cd crystals and LPE layers, doping and elec. props. 2−25144
PbTe (111) epitaxial thin films, elec. transport props., thermal-cycling induced changes 2−9465
p-PbTe:Ag epitaxial layers, elec. cond. and Hall coeff. 2−24986
Se, glassy, transient hole transport meas. 2−14663
$Se_{93.5}As_{6.5}$, amorphous film, carrier mobility, thermal annealing and light irrad. effects 2−9446
$Se_{94.3}Ge_{5.7}$, amorphous film, carrier mobility, thermal annealing and light irrad. effects 2−9446
Si CVD films, polycryst., elec. props., depend. on grain size and impurity doping conc. 2−14616
Si, electron irradiated, drift mobility, temp. depend. 2−5541
n-Si, electron mobility, 5 to 80K, phase shift calc. 2−1160
Si, extrinsic, elec. parameter calc. using FORTRAN program, Hall effect, dopant states and carrier mobility 2−1151
n-Si, heavily doped, elec. resist., partial wave theory 2−9411
Si, heavily doped, nondegenerate minority-carrier concentration and recombination current 2−5532
Si, high-field transport of holes 2−1147
Si, hole mobility and Hall coeff. factor, temp. depend. 2−24925
Si, impact ionisation, band struct. depend. 2−24934
Si, intervalley diffusion of hot-electrons 2−24905
Si inversion layer in strong mag. field, temp. depend. Hall cond., mobility edge model 2−20146
Si inversion layers, electron transport in high mag. fields 2−14731
Si inversion layers, remote polar phonon scatt. for hot electrons 2−20149
Si, ion implanted, annealing in plasma of pulsed gas discharge 2−20212

carrier mobility continued
Si, ion implanted, pulsed electron beam apparatus and annealing 2−9408
Si low resistivity solar cells, anomalous electron mobility behaviour limits open-circuit voltages 2−12916
Si, MBE, background and dopant impurities in film and film-substrate transition region, elec. transport 2−1153
Si, neutron irradiated, carrier scatt. by defect clusters 2−14625
p-Si p^+-π-p^+ planar devices, hot carrier transport noise, meas., generation-recomb. noise rel. to deep levels 2−25172
Si polycryst. film, on SiO_2 coated substrates, zone melting recrystallised, stress enhanced carrier mobility 2−24917
Si, pulsed laser annealing, ambipolar excess carrier diffusion effects 2−5545
Si solar cells, fabricated by planar technology, characts. 2−7989
Si solar cells, p-n and n-p junction, effect of back surface field on open-circuit voltages 2−23435
Si, transient hot-carrier phenomena, method of moments for anal. 2−24935
Si:As, ion implanted, polycrystn. film, laser irrad., elec. props. grain size, annealing effect 2−9404
Si:H, amorphous, non-dispersive and dispersive transport 2−25000
Si:H, amorphous, solar cells, electronic props., review 2−24995
Si:H, amorphous, transport props., CPA calc. 2−20101
Si:H, amorphous film, large area plasma deposition and elec. props. 2−19426
Si:H, amorphous Schottky barrier solar cells, prep. by plasma decomp. and sputtering, carrier generation efficiency 2−12861
Si:H Schottky barrier diodes, amorphous, electrical characterisation 2−23445
Si-Al_2O_3, charge carrier props. in p-type layers of SOS 2−6087
Si-GaP heterojunction, elec. and photoelec. props. 2−25062
Si-SiO_2 MOS system, As implants through SiO_2 layer, TEM, Rutherford backscatt. and device characts. study 2−20198
Si+H, amorphous, transient photocond. and Schottky barrier profile determ. 2−25573
a-$Si_{1-x}Ge_x$ films for high performance solar cells 2−23447
$Si_{1-x}Ge_x$ solid soln., hole Hall mobility 2−25044
SiO_2, thermally stimulated hole currents 2−1247
Si(100) inversion layer, hot electrons at low lattice temps. 2−25082
SnOx, amorphous spray coating, elec. and optical props. 2−20104
Te single crystal, electron transfer effect 2−24938
ZnO film prep. by metalorganic CVD from diethyl zinc 2−24326

carrier relaxation time
IMPATT device, hot carriers, high freq. behaviour, semiparticular simulation 2−25190
magnetoconductivity, quantum transport theory 2−5543
semiconductor, high freq. photoresponse with modulated carrier diffusion coeff. 2−15387
semiconductor, hot electron noise props. in nonzero collision duration regime 2−24908
semiconductor, transit reson., subharmonic 2−9400
semiconductor, ultrafine 2−1143
semiconductors, hot carrier relax., picosecond laser pulse studies, review 2−24984
semiconductors, inhomogeneous, elec. cond. and permittivity near percolation threshold 2−5574
semiconductors, laser cyclotron resonance, Zeeman absorpt. 2−20058
semiconductors, polar, magnetoresist. 2−9399
solar cell, band gap narrowing evaluation methodology based on measurements of emitter and base lifetimes and relaxation time 2−23463
As_2S_3, amorphous, hot carrier relax., optical picosecond study 2−25013
GaAs crystals and solid solns., hot electron luminescence 2−25593
p-GaAs, heavily doped, hot carrier relax., picosecond luminesc. study 2−24983
GaAs, hot carrier relax., picosecond laser pulse studies, review 2−24984
GaAs, semi-insulating, ohmic behaviour 2−1178
p-GaSe-n-$CuInSe_2$ heterojunction, photoelec. and elec. props. 2−9491
Ge, photoexcited hot carriers, picosecond interband saturation and intraband relax. 2−24943
$In_{0.53}Ga_{0.47}As$, electron transport and photoluminesc. meas. 2−1193
Ni-n-Si, Schottky barrier diodes, temp. anomalies 2−9623
$Pb_{1-x}Sn_xTe$, disorder scatt. 2−9466
Se, single crystal, freq. depend. of cond., noise and photoresponse 2−9416
Si, amorphous, hot carrier relax., optical picosecond study 2−25013
n-Si crystals, electron scatt. by clusters, Hall effect and magnetoresist. study 2−14631
Si inversion layers, remote polar phonon scatt. for hot electrons 2−20149
Si, periodic struct., elec. props. 2−9492
Si:H, amorphous, hot carrier relax., optical picosecond study 2−25013
p-ZnSb, carrier kinetics in mixed scatt. region, cond., thermoelec. power, and Hall effect tensors 2−9475

carrier scattering at surfaces *see surface scattering*

carrier scattering by dislocations *see dislocation scattering*

carrier scattering by impurities *see impurity scattering*

carrier scattering by point defects *see point defect scattering*

carrier systems (power lines) *see carrier transmission on power lines*

carrier telegraphy
see also carrier transmission on power lines
No entries

carrier telephony
see also carrier transmission on power lines
DMS-1A international subscriber carrier system 2−21429
installation, maintenance and improvement, Bureau of Mines handbook 2−23875
POLEX-VH small-channel-number carrier telephone system 2−26304
TN2700 carrier telephony system, national telecommunication network appl., development prospects *(Polish)* 2−16036
TN 2700 carrier telephony system, characterization *(Polish)* 2−16037
TN 2700 carrier telephony system, conversion frame of tertiary and quadrantal groups *(Polish)* 2−16038
TN 2700 carrier telephony system, equipment design and production implementation, review *(Polish)* 2−16042
TN 2700 carrier telephony system, generation of control/pilot currents *(Polish)* 2−16039
TN 2700 carrier telephony system, linear highway struct., remote supply and control, fault location *(Polish)* 2−16040
TN 2700 carrier telephony system, local and remote power supply equipment *(Polish)* 2−16041

carrier telephony continued
TN 2700 carrier telephony system, measurement apparatus, 300 Hz to 5 MHz *(Polish)* 2−17029
TN 2700 carrier telephony system, modernization trends, channel multiplication, digital transmission *(Polish)* 2−16043
TN 2700 carrier telephony system, unattended repeater station, construction and elec. parameters *(Polish)* 2−16313
TN 2700 carrier telephony system, unattended repeater stations, automatic level control ccts. *(Polish)* 2−16314

carrier transmission on power lines
see also carrier telegraphy; carrier telephony
communications transmission in the electrical power industry *(German)* 2−26384
data acquisition by distrib. power-line carrier, statistical math. model 2−22966
distribution networks, stochastic model for PLC systems 2−12243
electrical heat pump control *(German)* 2−13082
electronic security monitor for office equipment, low-power FM transmitter/receiver system using AC power line 2−2660
HV overhead lines with insulated earth cables, information transmission *(German)* 2−2659
LF FM communication link using domestic mains wiring, sound-modulated transmitter and matchi- ng receiver/decoder 2−6737
power system control communications, satellite and power line systems 2−17779

carrier traps *see electron traps; hole traps*

carry circuits *see adders*

carry logic
see also logic circuits
binary adder, high-speed design based on new recursive algorithm for carry propag. 2−795
high speed adder using Josephson elements 2−19752
high-speed multiplier, carry-save adder low-order bit position design, elimination of spill adder 2−19753
parallel multiplier and divider array, carry look ahead cct. for propag. delay decrease 2−9134

CARS *see coherent antiStokes Raman scattering*

cartography
Earth induced polarisation, contour map presentation of dipole-dipole data 2−7418
grid-coordinate terrain inf., VHF/UHF field strength computerised prediction system appl. 2−2878
photogrammetric mapping, new instrumentation 2−3587
power plant yard mapping using computer graphics 2−27598

cascade control
valves, proportional piezoelectric electro-pneumatic servovalve design '1981 JACC' 2−15089

cascade networks
see also ladder networks
2n-pole networks cascade connection, operating double n-pole equations and parameters anal. 2−19496
active cascaded filters up to 6th order and Butterworth characts. *(German)* 2−9143
circuits constructed with cascade connection of unit exponential lines, transmission charact. *(Japanese)* 2−677
digital integrator algorithms, recursive IIR filter cascaded with a nonrecursive FIR filter 2−846
linear, Elmore and traditional rise times comparison 2−13920
lossy/lossless lumped-distributed cascade networks synthesis 2−19512
lowpass filters, sharp cutoff, realisation by cascading low-Q 3rd-order blocks 2−19785
mixed lumped-distributed networks, cascade synthesis 2−24365
multiport wave digital filter, time domain anal. using multi-wire line model *(Japanese)* 2−9157
phase filter synthesis, cascade phase-sensitive detector 2−14199
two-port lumped and distributed networks, cascade synthesis, use of Minkowski model of Lorentz space 2−24370
wave digital filter, hardware structure based on doubly-terminated distributed filter prototype 2−14224

Cassegrain antennas *see reflector antennas*

casting
continuous, non-ferrous, automated metal-pouring system 2−28266
filamentary A15 superconductors, developments in the UK, review 2−5920
filled epoxy resin, dielectric anal. appl. 2−19460
fluoride glass low-loss fibre fabrication, build-in casting method 2−25504
rotary in-mould EM stirring in cylindrical continuous casting geometry 2−18765
Cu casting, O probe appl. 2−11460
Cu electrolytic tough pitch wire production, O content meas. and control 2−11459
Nb_3Sn-Cu filamentary superconducting wire, in situ prep. and props. 2−5928
Si, polycrystalline solar grade, directional solidification technique 2−20071

castings
Fe-Ni-Al alloy YuND4 magnets, cooling rate rel. to mag. props. 2−15129

catalysts
fuel cells, H_3PO_4, supports for Pt electrocatalysts, alternative materials and evaluation methods 2−23415
laboratory EXAFS spectrometer for catalyst studies 2−27103
non-precious metal catalyst for through-hole plating in PCBs 2−14404
Ir_2O_3 catalytic anodic coating for H_2O vapour electrolysis, improved cell 2−7962

cataphoresis *see electrophoresis*

catastrophe theory
bifurcation sets in nonlinear ccts., global props. 2−19520
imperfect bifurcation and Banach space singularity theory 2−19209

cathode followers
see also emitter followers
No entries

cathode-ray oscilloscopes
see also oscillographs
6-bit monolithic video flash A/D convertor 2−24566
10 MHz, Tektronix 5223, with digital storage and plug-in versatility 2−17040
35-100 MHz, development trends review 2−22310

cathode-ray oscilloscopes continued
100 MHz, portable, Tektronix 468 with digital storage 2−17038
analogue waveform display on CRO, single line of alphanumeric characters, microcomputer character generation 2−16852
Apple II digital storage oscilloscope 2−22291
automatic measuring systems, digital signal storage *(German)* 2−22301
automatic programmable, HP 1980 A/B, technical and operational charcts. *(Italian)* 2−7124
biomedical oscilloscope, digital variable persistence, γ-camera appl. 2−11902
biosignal visualization devices for equipment of cardiology units 2−17380
calibration generator, microprocessor-based, internal diagnostics 2−11347
complex waves shapes, observation triggered delay appl. *(Spanish)* 2−22309
contemporary display on an oscilloscope with reading and reference scale *(Italian)* 2−5309
digital memory transient recorder accessory, used for oscilloscopes, chart recorders 2−3198
digital processing front end for storage capability 2−17012
digital storage, features CCD for A/D conversion, microprocessor control 2−7116
digital storage oscilloscope with IEEE bus controller 2−6995
digital storage oscilloscopes, digital stores' revolution *(German)* 2−3183
digital storage oscilloscopes, signal processing and curve generation *(French)* 2−7149
digital storage using profiled peristaltic charge coupled device *(German)* 2−26890
displaying ten waveforms by using a pseudo-random oscillator 2−3214
DMS-6430 digital memoryscope, using sampling waveform memory 2−7136
electronic component tester, using CRO, charcts. 2−7135
Heathkit Model IO 4205 dual trace 2−17024
intensification system, multichannel z-modulation, for improving the contrast of photographed neurophysiological signals 2−11521
isolation equipment from Tektronix for floating potential measurement 2−7171
Iwatsu digital storage oscilloscope *(German)* 2−26872
logic analyser, aid to digital fault finding 2−7058
microprocessor-based, with digital waveform processing 2−17037
Model 3652 wave memorizer, using 16 channels, flexible memory, ADC, CRT screen 2−7137
MUF2 TV transcope for 1 MHz to 1 GHz frequency range 2−26885
multi-functional CROs, small size, technology, charcts. 2−7133
oscilloscope interface for alphanumeric information 2−11528
oscilloscopes technology, charcts., review *(German)* 2−22300
phase anal. of short pulses rel. to time meas. accuracy, minicomputer appl. 2−11533
portable instruments for field service industry 2−3176
programmable automatic oscilloscope and automatic testing *(Japanese)* 2−11520
sampling oscilloscopes, appln. in dielectric frequency domain spectroscopy system, computer-controlled 2−22068
semiautomatic search for particularly directed particles in nuclear emulsions 2−27075
short pulse detection in low freq. voltage waves *(Spanish)* 2−15914
SSB monitor scope constr., sweep cct. details 2−22294
SSB transmission monitor appl. 2−10975
storage, for TV receiver tuning and testing *(German)* 2−3174
storage oscilloscope simulation in BASIC 2−17003
storage oscilloscope techniques and features 2−11507
swept-freq. RF/microwave meas. automation using digital processing oscilloscope system 2−7199
Tektronix, 60 MHz, 2213 and 2215 models *(German)* 2−7120
Tektronix 468 digital storage oscilloscope, used for TV system timing measurements 2−22299
Tektronix series 60 MHz series, technical principles *(German)* 2−3191
time marker generator, quartz crystal stabilised 2−17021
trace doubler, using 741, 4053 ICs 2−3205
transient recorder oscilloscope, PM series from Philips *(French)* 2−22308
Trio CS-2100 CRO, 100 MHz, 4-channel, 8-trace, charcts. 2−7134
variable-persistence oscilloscope theory and applications 2−11508
versatile digital storage oscilloscope by Philips, appls. 2−17006

cathode-ray tube displays
see also cathode-ray oscilloscopes
8275 programmble CRT controller, timing parameters algorithm, in BASIC 2−26779
aircraft cockpit colour CRT display technology 2−3560
aircraft instrumentation, colour CRT display system for Airbus A310 cockpit 2−12029
antenna directivity display using spiral scanning CRT *(Japanese)* 2−7035
automatic gain enhancement for corner correction in a digital convergence system 2−11547
cellular automata for mixing colors 2−17052
character box raster scan CRT displays, kerning and proportional spacing 2−26777
Chinese character CRT terminal, hardware and software design 2−16849
colour, monochromatic, projection CRTs, technology developments 2−20040
colour, progressive brightness reduction compensation for photography 2−9372
colour CRT display system PAN 30M, appl. to CCIS *(German)* 2−11382
colour CRTs, portable self-synchronisation spot wobbler 2−16855
colour display graphics possibilities 2−21631
colour graphic CRT display and hard-copy printout, for business market 2−17055
colour-coded video monitor for electron microscope 2−24897
computer graphic equipment, swept displays, memory devices, colour *(French)* 2−11383
control knob assembly for tilt mechanism 2−16856
controller for personal computer and electronic games appls. 2−22317
CRT assembly noise reduction 2−9253
CRT display variables and formats study for BWR power plant start-up operation 2−23041
CRT displays, technology, appls., review 2−3071
CRT transparent touch panel copier console 2−11546
CW and RTTY video terminal 2−26398
development trends, review 2−20045
developments in optoelectronics and displays, review 2−22315
digital, analogue information diaplay *(Russian)* 2−22155

cathode-ray tube displays continued
direction finders, antenna voltages and bearing according to Watson-Watt *(German)* 2−21873
display visibility technology 2−3072
dithered images 2−16865
electronic displays conference, London, England (Sep. 1981) 2−18866
flicker and inadequate standards, problems for CRT displays 2−22153
Hewlett Packard 1345A graphics display for instrumentation 2−26880
high flexibility programmable raster for video displays 2−6922
high-resolution colour display tubes, technology, charcts. 2−20039
horizontal raster display, horizontal and vertical ruling 2−26775
horizontal raster dotted-font display, ruled cursor 2−26776
large screen presentation developments 2−20046
line pairing correction by EHT compensation [CRT displays] 2−11384
logarithmic characteristic recorder *(German)* 2−3207
moving picture CRT display for telecontrol, buffer memory design *(Japanese)* 2−17053
multicolour CRT flight control displays for transport aircraft 2−3548
nuclear medical imaging with computerised reconstruction 2−3471
point defects number 2−16862
power system control appls. 2−22174
print apparatus, elongated window at screen periphery 2−9373
process video systems as interfaces between man and process *(German)* 2−22154
Ramtek 9400 2−16833
raster scan CRT displays, microprocessor software generation of video timing and addressing signals 2−22168
reference information on indicators and displays 2−7141
scan yokes having high inductance driven from low voltage supplies 2−16858
Siemens VDUs, flicker-free *(German)* 2−3063
terminal developments 2−7029
thermograph, camera and monitor assemblies, for technical and research appl. 2−22161
thin film electroluminescent faceplate using ZnS:Mn for CRT display 2−26913
UK teletext extension towards unified system 2−21526
VDU design, CRT parameters, health and safety 2−22169
vector graphics CRT display system 2−3064
vehicular instrument panel display, interfaces with microprocessor controlled electrical systems 2−3220
videotex graphics from user's standpoint 2−21537

cathode-ray tube screens *see cathode-ray tubes; fluorescent screens*

cathode-ray tubes
see also image convertors; image intensifiers; image storage tubes; television camera tubes; television picture tubes
anti-glare filter, customer installable 2−24883
cathode cutoff ratio measurement 2−24886
cervical smears prescreening system decision tree optimisation 2−1126
colour, delta gun, radial convergence assembly 2−9370
dashboards for cars using CRT displays 2−4440
delta-gun shadow mask colour CRT, green phosphor dot size reduction 2−9371
design, using linear transformations for Gaussian trajectory parameters *(Chinese)* 2−21033
electron beam circular scanning in dissector, parameters meas. 2−16899
electrophotography, advantages of CRTs 2−15645
EM coils for electron optics, winding distrib. 2−10427
flashover testing of CRT devices 2−5513
holographic intensity correlator using a laser cathode-ray tube 2−25869
in-line gun CRTs, correction of misconvergence 2−5514
line-scan CRT, phosphor lifetime and brightness improvement 2−14590
multilayer ceramic dispenser cathode for multibeam CRT 2−14562
phosphor noise substraction system 2−20015
printing, fibre optic CRT addressed xerographic engines 2−15644
removing/replacing anti-reflective safety panels on cathode ray tubes/, method 2−1123
screens, response speed increasing method 2−3228
stator deflection yoke, low capacitance 2−24884
ZnS:Cu, Al, Co-doped phosphor for current-sensitive, single-gun colour CRT 2−25607

cathodes
see also electron emission; oxide coated cathodes; photocathodes; thermionic cathodes
cold hollow cathode system, discharge ignition by gas magnetron 2−1085
CRT cathode cutoff ratio measurement 2−24886
current oscillations, conditions of occurrence and freq. at virtual cathode 2−14567
diode with multispike explosive-emission cathode, impedance 2−1110
discharge behaviour of electrodeposited PbO_2 and Pb electrodes 2−23413
emission centre formation on cathodes during elect. current switching in vacuum arcs 2−1104
energy-saving aluminum cathodes for anodizing 2−23820
graphite surface, pyrolytic, sputter-textured, electron reflection and secondary electron emission 2−14566
medical electrocoagulation, transcatheter, evaluation of anode and cathode 2−17395
MIM cathode, depend. of emission current density on emitting surface area 2−20014
MIM system for cathode emission current control, automatic control circuit 2−24859
multilayer ceramic dispenser cathode for multibeam CRT 2−14562
polyacetylene, use as cathode active material in lightweight rechargeable storage batteries 2−7977
proportional counters, background rejection using guard cathodes 2−11796
shot noise reduction by influence of space charge 2−9351
SNICS, surface ionisation sputter-type ion sources, sputter cathode enhanced axial erosion 2−11776
status of rechargeable positive electrodes for ambient temperature lithium batteries 2−23410
superconducting, energy distribs. of field emission electron beams *(Japanese)* 2−5505
$FePS_3$ cathode in Li battery, synthesis, struct. and phys. props. *(French)* 2−18449
GaAs photocathode with neg. electron affinity, photoelectron spectra 2−9355
$Ga_{0.9}In_{0.1}As$ photocathode with neg. electron affinity, photoelectron spectra 2−9355
Li primary cells, BrCl cathode component 2−18423

cathodes continued
Li_2FeS_2, cathodic material for Li secondary battery 2−18444
$Li_xV_6O_{13}$ cathode material, X-ray diffr. thermal anal. and mag. susceptibility 2−18432
Na-$AlCl_3$ cells using solid electrolytes with molten Na anodes and cathodes composed of S compounds and $AlCl_3$ 2−12829
Na-S battery, hollow fibre, recent developments and progress 2−12824
Na_xCrS_2, for cathodes in secondary Li cells 2−7972
NbS_2Cl_2 rechargeable cathode in molten $NaAlCl_4$ electrolyte, moderate temp. NaCl 2−28094
$NiPS_3$ cathode in Li battery, synthesis, struct. and phys. props. *(French)* 2−18449
TiO_2 anatase as cathode material in Li-organic electrolyte rechargeable batteries 2−12785
V_6O_{13} cathode material, X-ray diffr. thermal anal. and mag. susceptibility 2−18432
VS_2 rechargeable cathode in molten $NaAlCl_4$ electrolyte, moderate temp. NaCl 2−28094
W cathodes, polycryst. and monocryst., field-emission current instability, in high vac. 2−1100
W cathodes, with alkali metal additives, field emission props. 2−24856
Zr/W thermal field electron source, performance 2−1096

cathodes, electrochemical *see electrochemical electrodes*

cathodoluminescence
30 kW electron beam guns, evaluation by beam luminescence recording 2−23798
$Ga_xIn_{1-x}P$-GaAs heterostructures, luminesc., effect of mismatch between lattice consts. and thermal expansion coeffs. 2−6100
LED device performance with materials and processing using CL and EBIC techniques 2−20760
phosphor screens, cathodoluminescent, colour change penetration type, anal. 2−6102
semiconductor-oxide interface, cathodolum. characteris. 2−9511
superstatistical emission noise 2−14565
(Ca,Sr)S:Cu phosphor, luminescence centres and charge compensation 2−10134
CaS phosphors, doped, luminescence centres and charge compensation 2−10134
CdS photocell, cathodolum., photolum. and SEM studies 2−25617
GaAlAs DH laser, strain related degradation phenomena, SEM cathodoluminescence and induced current study 2−20910
$Ga_{0.68}Al_{0.32}As$:Te(Zn) laser pumped by electron beam, cathodolum. and threshold current density, doping influence 2−6229
GaAs:Sn,Cu, electrical props. investigation 2−1186
GaAs:Te,Zn, heavily doped material with p-n junction, SEM local cathodolum. obs. 2−24957
GaAs:Zn, polycrystalline, optoelectronic props. rel. to grain boundary features, cathodoluminesc. anal. 2−20089
GaAs-$Ga_xAl_{1-x}As$ DH and multiple quantum well superlattices, luminesc. props. and struct. 2−25589
InGaAsP-InP DH LED, accelerated aging and high temp. degradation 2−6117
InGaAsP-InP DH laser, degradation obs. by electron probe microanal. 2−25769
SiC:Al^+ implanted epitaxial diodes, cathodoluminescence characts. 2−10173
SrS:Cu phosphors, luminescence centres and charge compensation 2−10134
Y_2O_2S:Eu phosphors, excitation mode into charge transfer band 2−20733
ZnS:Cu,Nd,Cl film, laser phenomena in direct current electrolum. and cathodolum. 2−10127

cathodophosphorescence *see cathodoluminescence*

cathodothermoluminescence *see cathodoluminescence*

catholytes *see electrolytes*

CATV *see cable television; community antenna television*

cavitation
permanent cavities in liquids 2−9787
pumps, cavitation noise meas. techniques 2−17189
stressed dielectric liquids, cavitation dynamics 2−9786

cavity resonators
see also acoustic resonators; laser cavity resonators
bidirectional ring cavity, optical bistability 2−15546
circular waveguide 2−24676
circulators, waveguide-below-cutoff technique, use of evanescent-mode resonators 2−24678
coaxial cavity magnetron, spurious modes, identification, field anal. 2−24871
composite hole conditions on complex permittivity measurements using microwave cavity perturbation techniques 2−22356
cyclotron maser instability as resonant limit of space charge wave 2−25645
dielectric constants, meas. by MW dielectric resonator 2−5347
dielectric ring resonator with high Q-factor 2−9218
dielectric rod effect on reson. freq., anal. *(German)* 2−10539
directional filter using microstrip lines coupled by dielec. resonators 2−24674
dual mode filter design, initial synthesis, realisation, test results 2−24689
EM coupling through slot-aperture at natural resonance, EMC appl. 2−26008
EMP response single aperture spherical cavity, FFT appl. 2−26011
Fabry-Perot and open resonators at microwave and millimetre wave frequencies, 2-300 GHz, review 2−19849
ferrites EM parameters meas. at UHF, by comparison method 2−17100
field structure in resonator with moving boundary *(Russian)* 2−10537
gyroklystron, two cavity, theoretical analysis 2−14577
gyrotrons, 200 kW, 3.5 mm wavelength, experimental study 2−14568
maser, mol. beam, operated with disc resonator, bistability of elliptically polarised oscill. 2−20768
microbridge, resonantly coupled, Josephson radiation linewidth, regenerative feedback narrowing 2−15265
microwave band-pass resonator filter config. with inhomogeneous dielectric loading 2−24683
microwave complex permittivity meas. of lossy materials using cylindrical TM_{010} cavity perturbation techniques, precise calcs. and meas. 2−7187
microwave TM_{010} mode cavity, tunable, construction details 2−19848
MM-wave spectroscopy, untuned cavities, appls., dielec. meas. 2−22377
open coaxial-line resonator appl. to local dielec. const. meas. for thin slab-like materials at microwave freqs. 2−26942

cavity resonators continued
open resonator design, for gyrotrons, using weakly irregular waveguide theory 2−14575
open resonators in form of waveguide with slowly varying cross sections, general formulas 2−19859
optical cavity modes, relativistic electron acceleration 2−3307
optically bistable devices, use of bidirectional ring cavity 2−6269
passive ring resonator method for sensitive inertial rot. meas. in geophysics and relativity 2−17135
photocell in Franz-Keldysh effect, falling current-voltage charact. and optical bistability 2−20751
quasi TE_{j0k} mode freq. determ. of rectangular cavity containing dielectric sample 2−24662
quasi-optical ring resonator diplexers, theory and experiment 2−19858
quasioptical open resonator, with rectangular large-aperture mirrors, degenerate oscill. 2−19850
rectangular waveguide resonator calc., used as absorption cell in radio spectroscope 2−929
relativistic electron beams, EM waves steady-state parametric excitation 2−2094
semiconductor MM-wave generator with open resonator and exciting system of two bars 2−19885
semiconductor oscillator with open resonator and reflection grating 2−950
spherical cavities for determ. of microwave props. of semiconductors 2−3262
spherical microwave resonator, eigenfrequency splitting by gyrotropic sample 2−3263
strip-line linear-phase filter using capacitively-coupled resonator chains, planar PC appl. 2−24673
superconducting cavities, stabilisation of tunnel diode oscillators 2−19585
surface waves and their relation to the eigenfrequencies of a circular-cylindrical cavity 2−6352
toroidal resonators and waveguides of arbitrary cross section 2−6351
voltage tuned cavity oscillators, design principles 2−5342
waveguide cavity FET oscillator 2−14301
waveguides as open resonators, microwave network theory *(Chinese)* 2−915
GaAs X-band Gunn diodes in low-Q cavity, RF characts. 2−9608
Nb, elliptically shaped RF cavities, expt. and theoretical results 2−11707

c.c.d. circuits *see charge-coupled device circuits*

CCTV *see closed circuit television*

celestial mechanics
geosynchronous satellites, calc. of Earth station Sun outage times 2−16428
mean-Earth satellites, analytical singularity-free orbit predictor 2−27232
meteoroid velocity distribution in near Earth orbit, sliding window method 2−21887
near-Earth satellite orbit determ., 1981-status and future trends 2−27231
solar system bodies, relativistic effects in radar, optical and radio-interferometric meas. 2−6880

cell motility
laser Doppler velocimetry appl. 2−2059
sperm motility study apparatus, microprocessor anal. of scatt. laser light 2−27149

cells (electric)
see also fuel cells; photoelectric cells; photoelectrochemical cells; primary cells; secondary cells
battery plate formation charging methods to keep pace with industrial demand, state-of-the-art 2−28078
electrochemical cell 2−4322
electrochemical cell noise meas., expt. techniques, problems 2−28082
electrochemical cycling of pasted antimonial lead electrodes (positives) 2−18411
electrochemical transistor action using ZrO_2 electrochemical cells 2−25275
energy storage, batteries, and the BEST facility 2−28081
flywheel power system developments for electric vehicle applications 2−18724
hybrid, dual mode and tracked systems, conf., London, England (1981) 2−13165
hybrid electric vehicles, development with vans and buses 2−18713
hybrid electric vehicles development 2−18726
inductive roadway power systems for dual mode transit 2−18727
metal/electrolyte interface, noise source isolation 2−18407
modified asymptote superposition for electrochemical cell electrode polarization 2−18435
plastic electrode cells, history, output and charging characteristics *(French)* 2−18412
reference information on power supplies inc. batteries 2−7521
salinity power production, concentration cell, economic potential 2−4326
series arrangement, failed cell detector 2−24397
technological forecasting, logistic envelope approximation 2−23401
CaF_2 solid electrolyte, galvanic cell investigs., 500-900°C 2−11458
LiAl composite electrodes in solid state battery 2−18415
O_2 concentration cell, trial utilization in open-coil decarburization furnace 2−11467
V_6O_{13}, composite electrodes in solid state battery 2−18415
ZrO_2 galvanic cell O_2 sensor, non-ideal EMF behaviour 2−11456
ZrO_2, stabilized cell for O_2 partial press. control and meas. 2−11470

cellular arrays
8A1200 gate array, for IC design, using integrated Schottky logic *(French)* 2−14979
16K RAM dynamic memory array card burn in and high speed functional card testing 2−19693
BIGFET logic array layout design using BISIC program 2−801
binary logarithms and antilogarithms, generation by cellular logic structures *(French)* 2−24475
bipolar 2500-gate subnanosecond masterslice LSI 2−14969
bipolar masterslice logic cell with variable power/speed characts. 2−19628
bit current steering network for bit address scheme in Harper cell array matrix 2−5231
CELTIC LSI logic design aids system, polycell base, automatic mask tape generation, facilities 2−5207
CMOS LSI switch-array module *(German)* 2−19654
CMOS Si-gate uncommitted logic arrays, semi-custom design technique 2−9730
CMOS/SOS automated universal array for custom LSI devices 2−14056
complementary bipolar-FET IC struct. array and main memory appls., isolated process 2−1411

cellular arrays continued
data-out path with minimum delay 2−5234
digital and linear custom designed combined array optimised for large volume consumer appls. 2−24493
electrically alterable programmable logic array for fast turnaround-time VLSI development hardware 2−14057
embedded arrays self-assist testing 2−19727
embedded memory testing, algorithmic and other signal multiplexing 2−16781
gate array and firmware design 2−9114
gate array chips, automatic layout system 2−799
gate array logic 2−14053
gate array selection 2−14054
gate arrays, market survey, future growth *(Italian)* 2−24473
Harper cell array matrix, cascode current sensing amplifier cct., constant voltage design 2−807
LDS I, universasl development system for logic arrays 2−14895
linear-time divider array 2−14049
MOS VLSI static RAM cell, polySi-resistor scaling rel. to performance 2−19683
NMOS array multiplier compact, with inverting full adders 2−5183
parallel multiplier and divider array, carry look ahead cct. for propag. delay decrease 2−9134
PLA, variable multifold 2−24490
programmable array logic, appl. to audio spectrum analyser 2−16895
programmable logic array having OR-array bit partitioning 2−24488
programmable logic array-logic designs conversion to random logic implementation 2−14197
programmable logic arrays, fault detect. and diagnosis, test methods 2−9080
read/write control circuit reference voltage generator for memory cell array 2−806
ROM, current-biased array sense circuit, bleeding current path provision 2−5233
semiconductors and microprocessors, SEMINEX seminar, London, England (March 1981) 2−24555
serial communication line adapter decoder using programmable logic arrays 2−6403
static pinch resistor RAM cell, standby offset voltage maintenance by constant current source 2−19670
STL-83 uncommitted logic arrays, CAD 2−800
Taper Isolated dynamic RAM cell as memory element in sub-hundred nanosecond dRAM 2−19685
TMS2528 EPROM using X-cell architecture 2−14096
tri-state read/write control circuit for driving of sense amplifier in Harper cell array matrix 2−5232
two-pass array test method for addressing ccts. and storage cells of memory ICs 2−808
uncommitted gate arrays, for custom made ICs *(German)* 2−5188
uncommitted logic array, 2000 gate 10 nsec, using VLSI bipolar process 2−24494
uncommitted logic array cells, integrated design and validation system 2−5212
uncommitted logic arrays, fabrication methods and applications 2−9073
uncommitted logic arrays *(French)* 2−14055
uncommitted logic arrays design, CAD verification system 2−798
VLSI, LSI, design using gate arrays, state of art, problems and solutions 2−19644
VLSI array design, wavefront notation tool 2−20363
VLSI dynamic RAMs, open data/folded data line cell struct., stacked capacitor N-well P-MOS cell structs. 2−19684
VLSI FET memories, dynamic RAM cell with readout gain, high α-particle immunity 2−14116
VLSI implementable two-dimensional shifting array 2−25288
VLSI structured design using gate arrays 2−14963

cellular automata *see finite automata*

cellular effects of radiation
see also biological effects of .... (type of radiation)
see also photosynthesis
CNA repair studies, MWPC with cathode coupled delay line read-out 2−22540
microwaves and radio waves thermal effects and exposure limits 2−17426
red blood cells, effect of high power microwave pulses, transmembrane thermal gradients 2−27210

cement industry
electrostatic precipitation, new design concepts 2−8126
MC6800 for asbestos-cement production control 2−23843
plaster blocks drying installation using heat pumps *(French)* 2−4558
power equipment grounding and personnel protection in cement plants 2−17765
process control with DP system family 2−23842

centralised control
Buenos Aires Province power system centralised control *(Spanish)* 2−22790
Contronic 3 automation system, centralised monitoring subsystem *(Italian)* 2−16889
decentralised and centralised automatic generation control, multivariable servomechanism approach 2−3705
distributing networks, ENEL unified telecontrol system general principles *(Spanish)* 2−7541
GRAM system for hydroelectric power station groups *(Russian)* 2−27787
power control for thermal units, parametric linear programming procedure 2−3712
railways, hot-box detection on new line *(French)* 2−23698

centralised plant control *see centralised control*

ceramals *see cermets*

ceramic industry
No entries

ceramics
see also ceramic industry; refractories
adhesive bonding of ceramic permanent magnets 2−5904
adhesives, coatings and encapsulants, design and appl. 2−13856
arc tube performance obs., alkali metal and halide vapours interaction with ceramic materials 2−13054
biomedical US transducers, design using new piezoelec. ceramic materials 2−3483
chip carriers, reflow attachment and reliability testing 2−5797
coatings as positive current collectors for Li-Al/FeS_2 batteries 2−28093

ceramics continued
counterpoled, polarisation and elastic vibr. distribs. laser probe meas. 2−20450
dielectrics for capacitors 2−20430
electrode for photoelectrolytic decomposition of water 2−18405
ferroelectric, transparent, semicond. props., electron-hole processes, hologram forming 2−25034
fibre blanket wrap for cable tray and conduit fire protection 2−17740
filters, operation in thickness-twist mode, effect of filter parameters, HF appls. 2−20468
fine-line metallised ceramics, process improvement 2−24841
glass ceramics, fracture toughness meas., SEM secondary electron and backscattered electron image appls. 2−8871
HV insulators of electro-filters, insulating materials investigation *(Polish)* 2−7571
magnetic ceramics, in 1980, adaptation of hard ferrites to evolution of market requirements *(French)* 2−13854
metal-ceramic high power electronic tubes, development and manufacture *(Hungarian)* 2−9360
metallized ceramic chip substrate, chrome artwork mask for photoetch process 2−20285
multilayer ceramic capacitor, large capacitance using ceramic dielectric 2−24741
multilayer ceramic capacitor failure mechanisms causing high elec. leakage 2−19901
multilayer ceramic chip carrier 2−4658
multilayer ceramic substrates fabrication, electrical test method 2−18978
NASICON, ceramic solid electrolyte *(Polish)* 2−13858
permanent magnets for duplex loudspeakers, time-aligned system, monitor system appls. 2−16730
piezoceramic based acoustic transformer and fibre optic link for isolation amplifier 2−5116
PLZT ceramics, ion implanted, image storage medium 2−25579
polymer-ceramic composites for hydrophones, fabrication and interphase connectivity 2−19457
porcelain enamel substrates for printed circuit board materials 2−5445
porcelain plate insulators electric strength under impulse voltage with steep leading edge *(Russian)* 2−27547
porcelain-enameled steel printed wiring boards 2−19956
pressurised fluidised-bed combustion power plants, ceramic fibre filters for hot gas cleaning, evaluation 2−27747
PZLT, for optoelectronic devices, edge effect calc. *(Russian)* 2−10070
semiconductor packages, brazing preform 2−19002
semiconductor packages, recessed ceramic flattening tile 2−19001
sintering furnace, low cost, high temp. induction system 2−23758
solar central receivers, for German solar tower power plant 2−3971
strip waveguide in short-wavelength part of mm-range, charcts. expt. exam. 2−914
substrates for socketable packaging for high-power LSI devices in high-speed computers 2−24003
thick-film chip capacitor, bottom terminated, low inductance, decoupling appls., package design 2−1060
thick-film resistors screen printed on ceramic-coated steel substrates 2−1061
thin film ICs to ceramic chip carriers using solder post attachment 2−24850
thin film module pacakge, 45 degree wiring layers for chips mounted on ceramic substrate 2−4659
$AgNbO_3$, hot pressing prep., elec. and photoelec. props. 2−5033
$AgTaO_3$, hot pressing prep., elec. and photoelec. props. 2−5033
β-Al_2O_3 in Na-S batteries, interface resistance study 2−18442
β-Al_2O_3-Na_2O ceramics, resist. ageing in Na-S cells 2−18439
$Ba_{0.5}Sr_{0.5}TiO_3$ multifunctional ceramic temp.-humidity sensors 2−22240
BeO packages for high-power semiconductors, process concepts 2−24002
$Bi_4Ti_3O_{12}$ ceramics, grain oriented, fabrication and elec. props. 2−13855
CaO-Al_2O_3-SiO_2, sintered ceramic, dielec. props. 2−5826
CrCuCr metallised ceramic substrates, for application of cermet resistors 2−24828
Cu/ceramic bond for making cermet resistors on metallised ceramic substrates 2−20009
Li-Ti-Zn ferrite, effect of MnO_2 and Bi_2O_3 additives on props. *(Slovak)* 2−1565
LiAl-FeS batteries, high temperature, ceramic separators 2−12815
$Li_2Si_2O_5$ glass-ceramics, pyroelec. 2−1465
$MgCr_2O_4$-TiO_2 multifunctional ceramic humidity-gas sensor 2−22240
$MgTi_2O_5$, microwave dielectrics appl. *(Polish)* 2−13857
$Na_1Zr_2Si_2PO_{12}$ membrane, cond. in Pyrex cell 2−18443
PLZT X/65/35, transparent ferroelec. ceramics, phase transitions 2−5846
$Pb(Mg_{1/3}Nb_{2/3})O_3$, electrostrictive ceramic, low Q electromechanical resonator 2−9834
$PbSc_{1/2}Nb_{1/2}O_3$ transparent ferroelec. ceramics, phase transitions 2−5846
$Pb(Zr,Ti)O_3$-polymer composite, high freq. appl. 2−22755
$Pb(Zr_xTi_{1-x})O_3$:Nb^{5+}(Sb^{5+}) ceramics, wet or dry method prep., struct. and piezoelec. props., effect of initial Pb content 2−5844
Si-on-ceramic solar cells, grooved substrate to give back contacts 2−4354
Si_3N_4 ceramics, sintering techniques, material props. and appls. 2−614
$Sr_{0.5}Ba_{0.5}Nb_2O_6$ ferroelec. ceramics, Cu doped, spectral photovoltaic response 2−15056
ZnO-Bi_2O_3 varistor, XPS obs. of surface layer effects on electronic props., intergranular layer form. 2−5375
ZnO-rare earth metal oxides-Co_3O_4 ceramic, temperature dependence 2−19456

Cerenkov counters *see Cherenkov counters*

Cerenkov radiation *see Cherenkov radiation*

cermets
chip resistor design, flat and cylindrical, carbon film resistor replacement 2−5367
corrosion-resisting topseal for cermet and other thin film resistors 2−9327
resistors, zero temp. coefficient by annealing 2−19896
CrSiO cermet resistors, on ceramic substrates 2−24828
Ge_xC_{1-x} CVD coating, struct. and optical props. 2−25037
In-SiO_2 cermet films for optical recording in metal film ablation memory 2−15284
Pt-Y_2O_3 cermet contact for a-Si:H solar cells, material optimisation studies 2−23529

CESR
Nb_3Ge, exchange interaction, CESR and spin wave behaviour 2−1597
Nb_3Si, exchange interaction, CESR and spin wave behaviour 2−1597
Nb_3Sn, exchange interaction, CESR and spin wave behaviour 2−1597
V_3Si, exchange interaction, CESR and spin wave behaviour 2−1597

chalcogenide glasses
amorphous semiconductors, book 2−23883
amorphous semiconductors, pressure-induced effects and phase transitions 2−25026
conference, Grenoble, France, (July 1981) 2−23865
defect and impurity effects 2−25024
fabrication techniques 2−25027
high-speed transient effects in chalcogenide glasses 2−24999
IR optical fibres, prediction of loss minima 2−1694
metal-chalcogenide amorphous semicond. system, elec. contact props. 2−1230
mobility distrib. in drift of carriers 2−9456
optical mass memories and IC elements, appl. of chalcogenide amorphous films 2−25543
photo-induced phenomena 2−25025
photoconductivity, slow relax. 2−10120
photoprocessing and lithographic appl. 2−25124
review of studies at Ioffe Physical-Technical Institute, USSR 2−25004
switching, low-resistivity state, electron-thermal nature 2−5582
switching transient state charact. anal. based on space charge overlapping model 2−9452
thin amorphous chalcogenide films, electrothermal model for breakdown, switching and memory effects 2−9458
thin films, amorphous, high field short pulse behaviour, band model 2−5579
Al-$Se_{32}Te_{32}As_4Ge_{32}$-Au structure, elec. charact. of amorphous semicond. layer 2−14736
As-Ge-Se, glasses and melts, thermal and elec. cond. 2−5583
As-Ge-Te glasses, pure and doped, elec. and dielec. props. 2−9461
As-S, amorphous film, optical waveguide, laser beam electrooptic modulation 2−20691
As-S:H, amorphous plasma deposited coating, optical props. and EPR 2−25003
As-Se, glassy, absorption spectra 2−14669
As-Se, glassy, hole drift mobility, composition and struct. depend. 2−25009
As-Se, glassy, optical absorpt. spectra 2−9467
As-Se:H, amorphous plasma deposited coating, optical props. and EPR 2−25003
As-Se-Ag, amorphous, AC cond. 2−25006
As-Se-Te, amorphous, photoconductor for electrographic printing 2−25577
As-Se-Te, metal-semicond.-metal struct., elec. props. 2−25101
As_2S_3 amorphous film waveguide, optical grating device fabrication 2−1740
As_2S_3 film waveguide, electron-beam directly written microgratings for integrated optical circuits 2−6042
As_2S_3 glasses, elect. props. 2−9448
As_2S_3, hot carrier relax., optical picosecond study 2−25013
As_2S_3, photosensitive solubility, photoresist appl. 2−24825
As_2S_3:Sb_2S_3, negative transient conductivity effects 2−24993
As_2S_3-Sb_2S_3 and As_2S_3:Sn, glassy, hole drift mobility, composition and struct. depend. 2−25009
As_2Se_3, amorphous, density of state in gap, dispersive photocurrent meas. 2−25572
As_2Se_3, amorphous, geminate and non-geminate recomb. 2−9454
As_2Se_3, glassy, HF dielec. props. 2−1202
As_2Se_3, pure and doped, transient hole transport meas. 2−14663
c-amorphous $In_{0.25}Te_{0.75}$-C struct. nanosecond switching parameters 2−9457
CC $GeSe_2$/Ag_2Se resist. appl. for ion-beam lithography, submicron line resolution 2−20328
Ge-S, chalcogenide semiconductor, defect and impurity effects 2−25024
Ge-Sa-As(Sb)(Bi) influence of bond metallisation on elec. cond. 2−5576
Ge-Sb-Se system, beam-resistant films, prep. and struct., thermal stability, optical parameters 2−1200
Ge-Se, glass, doped, elec. transport props. 2−25005
Ge-Se evaporated film, amorphous, non-dispersive and dispersive transport 2−25000
Ge-Se:Ag films, photo and electrochem. doping, AES and XPS study 2−25145
Ge-Se-Ga thin film, amorphous, trap distrib., SCLC obs. 2−14664
Ge-Se-Te system glasses, elec. cond. over wide temp. range, struct. component 2−1201
Ge-Te, glass, doped, elec. transport props. 2−25005
$GeSe_2$ film low-energy ion beam resists, oblique deposition, chem. reactivity and lithographic sensitivity 2−20329
Ge_xSe_{1-x} inorganic resist electron beam exposure, oblique deposition enhanced sensitivity 2−20330
Ge_ySe_{1-y}:In(Cu)(Fe) glasses, photocond. and elec. cond., dopant effects 2−20716
Ge_4Se_5Te films, charged defects, Poole-Frenkel effects study 2−25007
GeTe amorphous thin films, elec. cond. mechanisms 2−5578
Mo-chalcogenide glass-Mo struct., dielec. props. study 2−1256
Sb_2S_3:As_2S_3, negative transient conductivity effects 2−24993
Se, transient hole transport meas. 2−14663
Se-As-Te, chalcogenide photocond. in near IR region 2−25565
Se-As-Te amorphous chalcogenide, for integrated photosensors and imaging devices 2−26860
Se-Ge/Ag amorphous resist, anomalous Ag surface diffusion 2−1270
$Se_{93.5}As_{6.5}$, amorphous film, carrier mobility, thermal annealing and light irrad. effects 2−9446
$Se_{1-x}Ge_x$:Ag film, amorphous, bilayer system for high resolution optical imaging 2−25472
$Se_{94.3}Ge_{5.7}$, amorphous film, carrier mobility, thermal annealing and light irrad. effects 2−9446
Si-$As_2Sr_3Cu_x$ p-n heterojunction, current-voltage charact. 2−25053
Si-chalcogenide glass film magnetodiode, magnetosensitive memory effect 2−14837
$Si_{18}Te_{45}As_{28}Ge_{29}$, amorphous chalcogenide IR emitting diode, optical props. 2−20762
$Te_{40}As_{35}Ge_7Si_8$, amorphous, threshold switching 2−25018
$Te_{48}As_{30}Si_{12}Ge_{10}$, chalcogenide glass threshold switching devices, thermal cond., temp. meas. using liquid crystals 2−20222
$Te_{39}As_{36}Si_{17}Ge_7P$, glass, field effect meas. 2−20108
$Te_{85}Ge_{15}$, semicond. glass, photocond. meas. 2−1788
$Te_{85}Ge_{10}Sb_5$, semicond. glass, photocond. meas. 2−1788
$Te_{81}Ge_{14}Sb_2S_3$, amorphous, memory switching 2−25018

channel capacity
6 GHz band 30 MHz channel digital radio system design and performance 2−2666
asymptotically mean stationary channels, capacity 2−2231
channel coding with multilevel/phase signals 2−21280
circuit occupation probabilities of 2 stream network 2−15960
demand-assigned satellite system with hybrid TD/FDMA uplink and pure TDM downlink 2−2757
digital radio links, modulation technique for increased bandwidth efficiency 2−10964
digital transmission of sound broadcasting signals, equipment 2−2880
Gaussian interference channel capacity for two separate messages, strong interference 2−10608
group channels loading analysis 2−26075
multiaccess satellite system, capacity allocation, analytical results 2−21810
Nordsat direct broadcasting satellite project, alternative modulation methods 2−21806
optical direct-detection channel 2−16471
run-length limited codes, charge-constrained, channel capacity calc. 2−21292
serial data communication options 2−6609
trunking concepts for 800 MHz mobile radio system 2−2698
universal codes, minimax redundancy matching to channel capacity computable by standard techniques, comments 2−10607

channelling
instrument for light impurity atoms lattice location studies by (n,α) reaction 2−3384
Rutherford backscattering spectrometry, automatic beam alignment for channelling meas. 2−11875
silicide films formation, Rutherford backscattering and channelling study 2−582
GaAs, ion implantation and low temp. epitaxial regrowth 2−5687
InAlAs/InGaAs MBE layer structs., ion beam anal. 2−19413
InAlAs-InGaAs interface, MBE, channelling anal. 2−5610
InP:Fe, Mg(Zn), ion implanted, struct., channelling study 2−14761
InP:Se, backscattering spectrum, channelling meas. using automatic beam alignment 2−11875
$Pb_{1-x}Sn_xTe$ crystals, Sb-diffused, ion channelling and AES study 2−1293
Si, amorphous film, laser annealing, α-particle channelling study *(French)* 2−589
Si avalanche photodetectors, crystal defects, electron channelling imaging with SEM 2−9483
Si, implanted, macroscopic electron channelling pattern for laser induced recrystallisation monitoring 2−5535
Si, radiation damage simulation 2−14612
Si:Bi, furnace and laser annealed, backscatt. and channelling anal., depth distrib. 2−25107
V_3Si, defect structures determ. by ion channelling and X-ray diffr. 2−25442

channels, cable *see electric conduits*

character recognition
see also optical character recognition
Arabic cursive scripts, syntactic method 2−2309
computer assisted forensic linguistic system/ 'TEXTOR' 2−2395
forensic handwriting anal. 2−2394
handwritten signatures authentication SONAR appl. 2−2396
personal signature identification method 2−2315
police appl., conf. at Lexington, KY, USA (1980) 2−2310
writer, spectral anal. appl. 2−2393

character sets
Chinese character CRT terminal, hardware and software design 2−16849
Chinese characters, electronic dictionaries implemented in bubble memories 2−20536
Chinese characters, laser phototypesetter *(Chinese)* 2−10396
Kanji (Chinese ideographs), 1 Mbit ROM LSI *(Japanese)* 2−24508
Kanji data processing software *(Japanese)* 2−6591
phototypesetter, laser, with four electro-optical modulators *(Chinese)* 2−10397
Polyglot-C international teletext system standard 2−21534
UK teletext extension towards unified system 2−21526
videographic text transmission terminal cost containment *(French)* 2−21493

characteristic temperature *see Debye temperature*

characteristics measurement
see also headings for specific characteristics, e.g. gain measurement; viscosity measurement
checking characteristics/ of permanent magnets/ of complex shape/ made from R-Co materials in impulse fields/ 2−1577
logarithmic characteristic recorder *(German)* 2−3207
semiconductor devices, V-I charact. measurement method *(Russian)* 2−3237
semiconductor devices charact., automatic modular expt. set-up using IEC-bus *(German)* 2−16821
solar cell characteristics plotter with sample hold 2−7997
static characteristics and dynamic runs measurements in low-power induction motors *(Polish)* 2−7847
GaAs FET power amps meas. techniques 2−5357

charge (electric) *see electric charge*

charge-coupled device arrays *see charge-coupled device circuits*

charge-coupled device circuits
A/D convertor on monolithic chip 2−19739
acoustoelectric SAW devices for signal processing, convolver, memory correlator and coherent integrator 2−1543
analogue matched filters 2−6456
area image sensor CCD221, appl. to TV cameras 2−11200
Bilderschirmtext modem with CCD-devices, data channel realisation *(German)* 2−2501
charge-injection device array detector, determination of ultraviolet and visible spectral response 2−3070
colour TV camera, using CCD matrix, 580×532 array, main camera units *(Russian)* 2−16640
comb filter, for colour video signal processing 2−19783
delay line, tapped, microprocessor controlled 2−5167
detector operation as optically addressed correlator, time-integrating image processing 2−25559
digital storage oscilloscope, features CCD for A/D conversion, microprocessor control 2−7116

charge-coupled device circuits continued
digital storage oscilloscope with profiled peristaltic charge coupled device *(German)* 2−26890
direct-access storage device arm buffers 2−15008
document scanning using CCD arrays, dark current level compensation, automatic calibration using microprocessor 2−22156
Dresden University IC applications and research group progress report *(German)* 2−1460
electrically programmable CCD transversal filter LSI for TV ghost canceller 2−21964
high speed tapped CCD photodiode linear image sensor 2−10144
home movie system, small video tape recorder using solid state CCD camera 2−2946
hybrid IR imaging focal plane arrays 2−22270
image sensor, CCD solid state, for color TV camera 2−11218
image sensor, use for domain pattern obs. 2−22366
image sensors, comparison of CCDs, charge-injection devices and photodiodes *(German)* 2−26859
image sensors, employed in colour TV design 2−11201
image sensors, production appl. *(German)* 2−26858
image sensors, three-colour three-channel, anal. 2−10162
imager, gamma radiation induced noise 2−15001
imager test system design 2−22100
imager with very low smear level 2−11385
imagers, fabricated from float zone p-Si, deep levels study 2−5534
imaging CCD, dark-current nonuniformity meas. 2−11388
IR imaging CCD, extrinsic Si, punch-through charge collection technique 2−25345
IR Si:B charge-injection-device array performance, space-based astronomical obs. appl. 2−3146
linear image sensor, 2048-element array, novel photosensing region struct. 2−7042
linear image sensor with buried overflow drain structure 2−14992
liquid crystal C-CD driven spatial light modulators 2−10090
many-value logics design 2−14086
memory using multilevel storage, encoding and decoding circuits 2−24523
microcomputer memories, beginner's guide 2−14092
mosaic focal planes, technology rundown 2−16985
multiple valued logic C-CD integrated circuits 2−14065
pacemaker analysis, improved instrument based on charge-coupled device 2−27204
page storage chip isolation from α-particle-induced soft errors 2−19669
phased array microphone by charge transfer device 2−12099
radar signal processing, comparison of digital, CCD and SAW technologies 2−2829
real-time adaptive contrast enhancement 2−15907
semiconductor and bubble memories, handbook 2−23882
signal processing, charge transfer device implementation of FFT and fast Walsh-Hadamard transform 2−15887
sonar appl. of time-delay-and-integrate CCDs 2−26548
spectral analyser, integrated acoustooptic, prototype 2−1761
testing, many-valued logics appl. 2−14887
tolerance analysis of integrated analog filters *(German)* 2−5279
transversal low-pass filter with two-level Al electrode struct. 2−9149
TV camera appls. in dimensional meas. of inspected moving objects 2−6948
TV CCD comb filter conversion to permit separate obs. of luminance and chrominance signals 2−6908
universal micro circuit of fast response gadence pulse shaper for charge-coupled devices *(Russian)* 2−15019
virtual phase CCD imager, radiation effects 2−14998
AlGaAs-GaAs, heterojunction CCD images 2−3089

charge-coupled devices
see also charge-coupled device circuits
gamma-induced noise anal. and meas. 2−14859
implanted barrier, transfer of charges in two-phase surfaces *(German)* 2−9667
MIS structure, charge-transfer, electrode gap role 2−25256
model of charge handling and injection 2−20264
MOS buried-channel CCDs, design for thin channel devices, gate-voltage limitations 2−5750
noise spectral intensity meas. in sampled-data systems, correlation method appl. 2−16912
Schottky buried-channel CCDs, design for thin channel devices, gate-voltage limitations 2−5750
self-induced field profile, steady-state distrib. of signal carriers 2−1371
stepped-oxide CCD with asymmetrical oxide geometry 2−20261
surface channel, numerical anal. of charge capacity 2−5754
thermal generation currents, phase electrode bias voltage depend. 2−5755
TV camera appl. *(French)* 2−16617
HgCdTe-CdTe epitaxial heterostruct., n-channel MIS CCD fabrication 2−5745
SiO_2-Si interface states generation at low temp. with ionising radiation 2−14702

charge measurement
see also electrometers
charge centroid determination in field-effect experiments 2−25245
continuous range contact charge exchange spectrometer 2−11606
dielectrics, charge distrib. meas., high resolution laser pulse method 2−26941
dry electrophotographic developer, charge/mass and toner conc. simultaneous meas. 2−13124
MIS structures, charge distribution in insulator films, meas. methods *(Japanese)* 2−1250
rocket, electrostatic charge build-up meas. 2−7365
semiconductor junctions, homogeneous, charge meas. of interface 2−25048

charge storage diodes
No entries

charge transfer states
$Au/Si_3N_4/p$-Si structure, charge transfer, temp. depend. 2−9508

charge transfer transitions *see charge transfer states*

charged dislocations *see dislocation dipoles*

Chebyshev approximation
active filters using operational amplifiers, transfer functions *(Czech)* 2−5289
active low pass filter design, ladder networks *(Czech)* 2−830
anti-aliasing filters with Chebyshev behaviour in passband 2−19760
best Chebyshev, discrete Chebyshev and L_q-approximations, error estimations for deviation 2−8701

Chebyshev approximation continued
Chebyshev-Pade table, block structure 2−8700
discretisation convergence rate 2−474
equations of the second kind, solution using Chebyshev polynomials 2−8698
error estimation in approx. numerical integration near simple pole using Chebyshev points 2−4923
exponential function interpolation, A-acceptability of rational approximations 2−8675
function approximation, by means of developments on Chebyshev polynomials *(French)* 2−4947
Galerkin methods for numerical solution of singular integro differential equations 2−495
IIR Nyquist filter with zero intersymbol interference, freq. response approximation 2−24611
linear restriction and L_∞ norm estimation 2−8693
meander-line networks, approximation method for characts. function 2−19499
nonlinear parabolic equations in one space variable, generalised Chebyshev method 2−24257
polynomials having asymptotic power series, convergence rate 2−476
Remez algorithm for Chebyshev approximation with interpolation 2−24228
spectral and pseudo-spectral methods for parabolic problems with non-periodic boundary conditions 2−24229
squirrel cage induction motor, three-phase, permeance of eccentric air gap, calc. 2−4137
transfer coefficients, analogue computer optimisation *(Russian)* 2−13694
transformer coupled multiple freq. circulator with Chebyshev characts., synthesis 2−9208
uniqueness subspace 2−461
weighted simultaneous Chebyshev approximation 2−8687

chemical analysis
see also chemical analysis by nuclear reactions and scattering; chromatography; electrochemical analysis; electron probe analysis; mass spectroscopic chemical analysis; polarimetry; pollution detection and control; radioactive chemical analysis; spectrochemical analysis; thermal analysis; X-ray chemical analysis
aircraft turbine engine emission meas., sampling, analysis and data reduction problems 2−22432
blood analyser, PHA-1 programmed automatic unit 2−3458
electrostatic precipitators, gas analysis measuring equipment, developing and testing *(German)* 2−21041
exhaust gas analysis system, with self-contained data processing and automatic calibration 2−22096
Kjeldahl N_2 analysis, computerised system 2−7011
microprocessor-based signal processing module 2−3099
multicomponent gas mixtures automatic analysis, data interpretation 2−7449
power station fly ash, major chemical compounds and trace element distribution study 2−27746
residual gas analysis, mechanism for dependence of moisture detection sensitivity on gas composition 2−17167
steel, nonisothermal probe for continuous O meas. 2−11468
H_2 detector using Pd MOS Schottky diode 2−11443
H_2SO_4 vapour in combustion gases, continuous meas. by portable automatic monitor 2−22431
Li-Si/FeS_2 primary cell, reactive interface materials characterisation 2−7968
O_2 probe for flue gas anal. method of signal linearisation *(Slovak)* 2−23085
SF_6 insulated switching equipment, gas anal. technique and its appl. 2−7954
Si, impurity and defect characterisation techniques, book contrib. 2−1168

chemical analysis by mass spectrometry *see mass spectroscopic chemical analysis*

chemical analysis by nuclear reactions and scattering
see also neutron activation analysis; radioactive chemical analysis
amorphous thin films, study by ion beam nuclear analysis *(French)* 2−589
Ge detector, on-line neutron capture gamma anal. 2−3386
Si:B, B profiling using neutron induced reaction $^{10}B(n, \alpha)^7Li$ 2−1281
Si:H amorphous films, gas phase doped or ion implanted 2−20191

chemical batteries *see cells (electric)*

chemical bonding *see bonds (chemical)*

chemical bonds *see bonds (chemical)*

chemical composition *see chemical analysis*

chemical diffusion *see diffusion*

chemical effects of radiation *see radiation chemistry*

chemical energy conversion
ammonia thermochemical energy transport/ in a distributed collector solar thermal power plant 2−23203
charging a water energy store from a flat explosive magneto-generator *(Russian)* 2−12947
high temp. heat production by solar energy use to investigate energy storage in reversible thermochemical cycles, development and testing of experimental facility *(German)* 2−12547
space power research and technology at NASA 2−18418
thermochemical, with Pu working fluid, for generating electrical energy 2−8002

chemical engineering *see chemical technology*

chemical engineering computing
see also computerised control; computerised instrumentation
equation analyzer for mathematical expressions manipulation, nonlinear optimisation appl. 2−4890
extraction column simulation 2−4915
facilitated diffusion equations 2−4964
microcomputer-controlled system for automatic acquisition of kinetic data of gas uptake at constant pressure 2−8121
microprocessor-based instrumentation 2−18825
Powell's dogleg method modification for solving systems of nonlinear equations 2−4948
process, approximation programming, computational difficulties 2−4889
processes, approximation programming, FLOWTRAN models optimisation 2−4888

chemical equilibrium
W, heterogeneous reactions and chemical transport, in incandescent lamps 2−4459

chemical industry
BBC high power ozone generators, ozone applications in industry 2−23834
capacitor applications in petroleum and chemical process industries 2−14320
conceptual designs for commercial OTEC-ammonia product plantships 2−8122
controlled balanced rectifiers for electrolytic plants *(Russian)* 2−18822
data-logging system based on the Intel 8748 single-chip microprocessor 2−7054
fan motors in methanol plant, electronic speed regulation system *(French)* 2−4117
fibre plants supply voltage quality determ. *(Russian)* 2−18823
high-temperature nuclear reactor appl. 2−18820
Industry Applications Society meeting, conf., Philadelphia, PA, USA (Oct. 1981) 2−13164
injection moulding microcomputer-based system 2−4555
ion-selective electrodes advantages 2−13118
microcomputer-based laboratory data acquisition systems 2−4554
microcomputer-controlled system for automatic acquisition of kinetic data of gas uptake at constant pressure 2−8121
microprocessor-based instrumentation 2−18825
microprocessor-based instrumentation interfacing 2−4553
moisture measurement techniques, problems and developments *(German)* 2−7239
organic Rankine cycle systems for waste heat recovery in refineries and chemical process plants 2−23833
plant automation developments *(German)* 2−4550
polypropylene production, electronic weighing appls. *(Hungarian)* 2−22409
small conveyor equipment for dosage of hopper-held and granular material *(German)* 2−23707
Soviet Union, power resources during eleventh five-year plan *(Russian)* 2−8120
total power plan for a modern research center, pharmaceutical plant 2−22904
N production, energy consumption monitoring, optimum utilisation *(Russian)* 2−18821
NH_3 reactor multiloop proportional controller characts. 2−18817

chemical lasers
atomic photodissociation lasers, UV-visible laser development review 2−1915
chain-reaction laser, energetics anal. allowing for rot. nonequilib. 2−20822
flow chemical lasers, inhomogeneous and collisional broadening, models *(Chinese)* 2−20785
high energy laser device technology for military appls., overview 2−6176
laser optics, conf., Leningrad, USSR (Jan. 1980) 2−18844
near millimetre wave sources, gas phase approach 2−6149
photodissociation laser with active medium circulation 2−1851
pulsed and continuous, new results and ideas from Lebedev Institute, review 2−20929
pulsed HCl chemical laser, analysis 2−6132
research and applications, review *(French)* 2−15428
CO CW chemical laser using hollow-cathode discharge for atomic O prod. 2−1867
CO chemical laser from supersonic CS-S-O_2 mixture in shock tunnel 2−15449
CO chemical laser operating by oxidation of CS_2, power level raised by using S flame 2−25721
Cd, blue-green atomic laser using CdI_2 photodissociation, 508.6, 480.0 nm laser lines 2−6146
CdBr photodissociation laser at 811 nm 2−25665
CdI photodissociation laser at 655 nm spectrum identification 2−25665
D_2-F_2-CO_2 amplifier of nanosec. pulses, numerical optimisation 2−20821
DF pulsed flashlamp-pumped laser with diffr.-limited beam divergence 2−25707
DF-CO_2 chemical laser, annular supersonic model, theoretical investigation 2−1891
DF-CO_2 laser, pulsed, kinetics and comparison between calcs. and expt. 2−1889
DF-CO_2 optically pumped transfer laser 2−1868
HBr, electric discharge laser, kinetic model 2−15462
HCl, H_2+Cl chain reaction mechanism feasibility, isothermal model 2−1886
HF amplified multiline laser beam coherent recomb., phase control 2−10248
HF chain-reaction laser, energetics anal. allowing for rot. nonequilib. 2−20822
HF chemical laser driver for inertial confinement fusion, conceptual design 2−6143
HF electric-discharge laser operating at high pulse repetition freq. 2−20820
HF high-gain 1.7 kJ laser amplifer, pulse compression using angular multiplexing 2−1844
HF small scale CW laser, freq. stability 2−25687
HF/DF pulsed chemical laser, UV prescribed, H_2/D_2 donor and driving circuit parameter effects 2−25689
HF-DF chemical laser, pulsed, magnetically confined electron beam initiation 2−25668
HF-HCl CW chain-excited self-contained chem. laser utilising an F-H_2-ClF-He mixture 2−20815
Hg blue-green atomic laser using HgI_2 photodissociation, 546.1, 435.8 nm laser lines 2−6146
HgBr dissociation laser, high-power blue-green lasers for Naval systems 2−6157
$HgBr_2$/HgBr dissociation laser, elec. beam preionised 2−6152
$HgBr_2$/HgBr dissociation lasers, performance status and underwater communication system appl. 2−15463
I amplifier, high-energy, beam-quality-determining processes 2−1843
I chemically pumped laser as fusion driver, modeling 2−6142
I laser, chemically pumped, $O_2(^1\Delta)$ generation 2−1855
I laser, chemically pumped, reactor size, total system efficiency 2−1907
I laser, chemically pumped, candidate laser fusion driver 2−1908
I laser, chemically pumped, energy storage kinetic anal. 2−10209
I laser, photolytic, nuclear pumped, photon transport computer code simulation 2−25693
I laser advanced concepts, energy storage and extraction, pulsewidth variability and freq. conversion 2−1841

chemical lasers continued
I laser transition at high press., saturation energy density and line profile 2−1842
I photodissociation laser, CW operation 2−20817
I photodissociation laser, absorpt. cell construction feasibility, tuned to 1315 nm 2−20926
I photodissociation laser using C_2H_5I, resonator design and output charcts. *(Korean)* 2−10219
I photodissociation laser free-oscill. pulses, delayed amplification charcts., pulse duration control 2−20824
I photodissociation lasers for controlled thermonuclear fusion, review 2−20788
I photodissociation lasers, spectroscopy and primary processes in photolysis of iodides 2−25717
I smooth nanosec. laser pulse generation by excimer laser pumping 2−10249
I, solar simulator-pumped gas laser for the direct conversion of solar energy using C_3F_7I 2−12554
PO chemiluminescence flame, UV light amplification 2−25692
Se ($^1S \rightarrow {}^3P$) laser initiation by OCSe photodissociation, large-system design implications 2−10212
Tl laser excited by TlI photodissociation, efficient operation at 535.0 nm 2−10211
Tl-Hg photodissociatively pumped excimer system 2−6174
Zn, blue-green atomic laser using ZnI_2 photodissociation, 481.1, 472.2 nm laser lines 2−6146
ZnI photodissociation laser, quenching kinetics, and small signal gain spectrum 2−25699

chemical technology
see also chemical industry; chemical variables control; chemical variables measurement; oil refining
clinical-chemistry laboratory instrumentation *(Italian)* 2−17330
fractionation optimisation through advanced control 2−18818
gas density automatic meas. system 2−7018
hydrocarbon flow, Pt filament thermionic emission at low press. 2−5504
moisture meas. techniques development, problems and tendencies 2−7238
moisture measurement techniques, problems and developments *(German)* 2−7239
on-line measurement of fine-crystal response to crystallizer disturbances 2−6283
technological development of furnaces and energy economy *(French)* 2−13077
US techniques for noninvasive instrum. on chemical and process plant 2−7461

chemical vapour deposited coatings *see CVD coatings*

chemical vapour deposition
see also vapour phase epitaxial growth
p-GaAlAs, non-alloyed ohmic contacts, using MO-CVD contact layers 2−24296
IC technology, CVD, computer control, use in processing of Si wafers and sapphire and spinel substrates 2−25292
III-V compounds, deposition by MO-CVD in halogen transport systems 2−5016
III-V semiconductors, chem. mechanisms for cryst. growth using coordination compounds in MOCVD proces-s 2−5020
microelectronics processing appls. 2−13845
MO-CVD, recollections and reflections 2−5014
MOS IC technology, atmospheric-pressure CVD system for deposition of SiO_2 and P_2O_5-SiO_2 glass films 2−13843
optical fibre fabrication by vapour-phase axial deposition, refractive-index profile control techniques 2−10032
optical fibre MCVD preforms, OH reduction by isotope exchange 2−6000
optical fibres, Ge doped, made by MCVD, loss mechanism, design parameter and fabrication condition in- terplay on performance 2−6002
optical fibres single-mode, low dispersion, fabrication over wide spectral range 2−6003
passivation of ICs, using chemical vapour deposition 2−8831
plasma CVD technology, and appl. *(Japanese)* 2−8835
refractory metal thin film structures, direct writing by laser photodeposition 2−8833
RF plasma-enhanced modified CVD, preparation of single-mode lightguides 2−15302
poly-Si, nucleation and growth, in-situ obs. 2−24327
single mode fibre with high relative refractive index difference values, prep. by VAD 2−15300
solid electrolyte coatings for electrochemical devices 2−18416
thin film deposition technologies, for monolithic ICs 2−24323
V-MOS transistors thin gates fabrication in V-groove *(Slovak)* 2−25220
AlGaAs-GaAs lasers, MO-CVD grown, review 2−6217
Al_2O_3, pyrolytic, deposition temp. effect on InP inversion-mode MISFET 2−9659
$CuInS_2$, growth on GaP substrate, by chem. vapour deposition 2−5019
Cu_2S/CdS solar cells prepared by organometallic chemical vapor deposition: preliminary stage 2−23587
Ga-InAs, MOCVD 2−603
GaAlAs, growth by low-pressure MO-CVD, gettering of O_2 2−602
GaAlAs/GaAs double heterostructures, for opto-electronic devices, MOCVD growth 2−5022
$Ga_{1-x}Al_xAs$, MO-CVD growth, quantum well transport structs. 2−5021
GaAlP, MO-CVD growth 2−5018
GaAs epilayers, growth by MOCVD, appl. to microwave MESFETs 2−573
GaAs epitaxial thin film solar cell fabrication using organometallic CVD, single-crystal Si substrates 2−23588
GaAs, growth rate anisotropy analysis in CVD system 2−19430
GaAs, high purity prepared from trimethylgallium and arsine 2−601
GaAs, metallorganic CVD in a molecular beam system 2−5015
p-GaAs, non-alloyed ohmic contacts, using MO-CVD contact layers 2−24296
GaAs power MESFETs prep. by metalorganic CVD 2−14857
GaAs shallow-homojunction solar cells on epitaxial Ge grown on Si substrates, CVD technique 2−23589
GaAs thin film solar cells by OM-CVD growth, high efficiency 2−18538
GaAs/GaAlAs lasers, MO-CVD grown, props. as function of stripewidth 2−20895
GaAs-GaAlAs, DH laser grown by metalorganic CVD process 2−1965
GaAs-GaAlAs, selective MOCVD epitaxy for optoelectronic devices 2−572
GaAs-GaAlAs integrated optical devices fabricated by MBE and metal-organic CVD 2−25541

chemical vapour deposition continued
GaInAs, grown by MOCVD, for microwave and optoelectronic appls. 2−5017
GaInAsP, grown by MOCVD, for microwave and optoelectronic appls. 2−5017
GaP, MO-CVD growth 2−5018
GaP, prep. by MO-CVD 2−24297
Ge, chem. vapour deposition on Si from GeH_4-He gas mixtures 2−605
Ge film, polycryst., low temp. growth by UV laser photodissociation of GeH_4 2−24318
Ge:P epitaxial films, P doping during gas phase chem. precip. 2−5686
$InAs_{1-x}Sb_x$ alloys, epitaxial growth by MOCVD 2−4993
InP, MOCVD 2−603
Si, amorphous film, plasma CVD *(Japanese)* 2−8835
Si amorphous film, prep. by CVD, elec. props. 2−595
Si, amorphous thin-layers production and appls. *(German)* 2−24944
Si, CVD, solar cell appl. 2−13847
Si, CVD under reduced pressure in hot-wall reactor, equilib. and kinetics 2−24303
Si chunks continuous production process, combined fluidized bed apparatus 2−1275
Si epitaxial film deposition in CVD reactor, transients 2−13817
Si film, polycryst., low temp. growth by UV laser photodissociation of SiH_4 2−24318
Si film deposition by pyrolytic decomposition of SiF_2 gas 2−24325
Si film prep. by plasma and low press. CVD in horizontal reactor 2−8837
Si films, polycrystn., continuous growth by CVD 2−24289
Si from SiH_4 through plasma deposition 2−19453
Si, growth from SiH_4 in cold wall CVD systems 2−5025
Si, layer growth by CVD on liquid Sn coated graphite substrate 2−8838
Si, poly, CVD, ability to deposit nearly inaccessible areas of IC topology 2−14913
Si, recrystallisation of amorphous and small grained polycrystalline material 2−5544
Si rheotaxial film development by CVD on low cost substrate, solar cell appl. 2−609
Si, semi-insulating polycryst., deposition in low pressure CVD reactor, growth kinetics 2−13839
Si, semi-insulating polycryst., deposition in low pressure CVD reactor, O content 2−13840
Si sheet, ion implanted thin film solar cells 2−23515
Si, vapour phase epitaxy 2−24288
Si:H, amorphous, homogenous CVD 2−19442
α-Si:H preparation by CVD 2−9449
$SiCl_4$-H_2-N_2 system, rate-determ. reactions and surface species of CVD Si 2−24330
SiH_4 pyrolysis in free-space reactor, Si production for low cost solar cell arrays 2−20069
Si_3N_4 CVD layer, X-ray mask prep. 2−1271
Si_3N_4, film, plasma CVD *(Japanese)* 2−8835
Si_3N_4 film prep. by plasma and low press. CVD in horizontal reactor 2−8837
Si_3N_4 LPCVD for selective oxidation technology for VLSI MOS 2−9574
Si_3N_4, plasma enhanced CVD on to InP 2−19449
Si_3N_4, plasma-enhanced CVD, using SiH_4N_2 mixture, mech. 2−13838
SiO_2 film prep. by plasma and low press. CVD in horizontal reactor 2−8837
SiO_2, plasma enhanced CVD onto InP 2−19449
SiO_2, plasma-deposited, charact. 2−5011
WSi_2 interconnection for VLSI circuits 2−15020
W_xSi_{1-x}, formation by plasma CVD 2−596
ZnO film prep. by metalorganic CVD from diethyl zinc 2−24326
ZnO, highly oriented films, by CVD 2−13846
ZnO optical waveguide material, VPE CVD technique 2−24305
ZnS(Se) transmissive IR materials made by CVD process 2−5024
$ZnSiAs_2$, MO-CVD growth and characterisation 2−13841

chemical variables control
see also moisture control; pollution detection and control
boiler flue-gas CO monitoring for efficient burning 2−23068
electronics industry, ionogenic contamination measurement and control *(German)* 2−13280
ion exchanger recirculation plants operational control, cross switching and comparison meas. *(German)* 2−17164
PCB electroplating, automatic control of stabilized electroless Cu solns., Cuposit controller 2−5451
PCB processing using aqueous-type photoresist, absolute control of developer/stripper solns. bleed and feed method 2−1032
recovery boiler operations, digital computer control 2−23106
steel, ferritic stainless, melt, deoxidation control using solid electrolyte O_2 conc. cells 2−11471
TOC system *(German)* 2−26986
O probe application for controlling O content in molten Cu 2−11461
O probe for Cu electrolytic tough pitch wire production 2−11459
Si-Cr sputtered films, comp. control to control temp. coeff. of resist. 2−24321

chemical variables measurement
see also chemical analysis; moisture measurement; pollution detection and control
ash analysis using fast sedimentation method for dispersion anal. *(Czech)* 2−17961
electrical ceramic devices, control of internal combustion engines 2−3140
electrochemical gas analyser *(Russian)* 2−17165
electronics industry, ionogenic contamination measurement and control *(German)* 2−13280
exhaust plume of liq. fuelled rocket motor, three beam laser cross correlation meas. of density fluctuation 2−15592
gas density automatic meas. system 2−7018
ion exchanger recirculation plants operational control, cross switching and comparison meas. *(German)* 2−17164
ion-controlled diodes for down-borehole operation, temp. depend. of gate-controlled portion 2−22241
MOS gas detectors using transition metal-gate 2−22429
multifunctional ceramic sensors: humidity-gas sensor and temperature-humidity sensor 2−22240
NHKG power station, experimental operation of O_2 probe *(Czech)* 2−17962
POLAROX electrochemical analyser for bleaching 2−23841
room temp. O_2 sensor fabrication using LaF_3 solid electrolyte *(Japanese)* 2−16967
TOC system *(German)* 2−26986

chemical variables measurement continued
US techniques for noninvasive instrum. on chemical and process plant 2−7461
H_2SO_4 vapour in combustion gases, continuous meas. by portable automatic monitor 2−22431
NH_3 determination as waste water and control using automatic anal. apparatus *(German)* 2−17580
O sensor, using non-metallic electrodes *(Chinese)* 2−22428
O_2 probe for flue gas anal. method of signal linearisation *(Slovak)* 2−23085
O_2 sensor, oscillatory mode 2−22430

chemiluminescence
electrical insulation degradation investigation methods, study 2−15039
plasma etching stripping process, chemiluminescence end-point detect. 2−20211
PO chemiluminescence flame, UV light amplification 2−25692

chemisorption
CdSe epitaxial film, of NO_2, effect on surface state charging 2−20083
ZnO films prep. by oxidation of diethyl zinc 2−14640

chemistry
present applications of chemistry/ in thermal power stations/ *(German)* 2−3904
XLPE cable technology, basic chemistry and manuf. 2−7549

chemistry, physical *see physical chemistry*

chemistry computing
see also computerised instrumentation; spectroscopy computing
transient analysis from chemical system, 6800 based system *(German)* 2−7001

Cherenkov counters
10000 ton water detector for neutrino oscillation obs. 2−3408
electron energy meas. in presence of hadron background, with Cherenkov gamma spectrometer 2−17253
electron shower 500 MeV in water, expt. results on Cherenkov light 2−17233
Irvine-Michigan-Brookhaven Cherenkov detector for proton decay meas. 2−3407
lead-glass total absorption counters in hodoscope gamma spectrometer 2−11868
missing-mass spectrometer for momenta below 1.5 GeV/c 2−3437
neutron activation anal., Cherenkov counting appl. 2−11819
silica aerogel Cherenkov detector testing for European hybrid spectrometer 2−27035
single gas vol. Cherenkov counter and drift chamber detector 2−27034

Cherenkov detectors *see Cherenkov counters*

Cherenkov radiation
see also Cherenkov counters
electron annular beam, relativistic, propag. in dielec. loaded waveguide, Cherenkov radiation 2−14582
electron beam momentum modulation by laser fields, coherent optical radiation obs. 2−10340
free electron Cherenkov laser model, S-matrix theory 2−20775
photomultiplier quantum sensitivity meas. and calc. 2−11814
Raman free electron lasers, theoretical and expt. performance 2−25663
relativistic electron beam in corrugated waveguide, Cherenkov radiation 2−1116

chilling *see cooling*

cholesteric liquid crystals
cholesteryl nonanoate/biphenyl mixture, liq. cryst. cross-pattern display using cholesteric-nematic phase transition mode 2−11553
electro-optical and thermo-optical appls. 2−11560
guest-host displays, dielec., electro-optical, and phase change props. 2−7163
IC surface coating layer for non-destructive testing *(Rumanian)* 2−20275
integrated circuits, hot spots detected using cholesteric liquid crystals 2−14943
IR image conversion using cholesteric liq. crysts., polarisation method *(t)* 2−20692
laser pulse compression in cholesteric liquid cryst. 2−1998
MBBA-cholesteryl nonanoate mixture, cholesteric, rotatory dispersion under AC elec. field, appl. to colour display device 2−17060
multicolour fluorescent display by scatt. states 2−6061
phase change devices, cholesteric texture study by laser light diffr. 2−6064
smectic-cholesteric mixed liq. cryst., light transmission characts. in optic effects 2−10086

chondrites *see meteorites*

choppers (circuits)
100 kHz universal mains power supply, using single 500 V Hexfet *(French)* 2−719
AF rapid transit signalling system, inductive interference due to chopper propulsion control 2−18709
battery charger, using chopper-type cct., mains supply *(German)* 2−23359
contemporary display on an oscilloscope with reading and reference scale *(Italian)* 2−5309
DC chopper propulsion system, battery load leveling with a flywheel 2−18711
DC chopper regulator construction, functions and operation for railway electric drives *(German)* 2−23368
DC motor drive system, steady state performance simulation 2−8028
design and performance of DC chopper circuits used with DC traction motors 2−28034
differential switched-capacitor filtering technique, low noise, chopper stabilisation 2−19779
electric traction rolling stock electrical equipment post-war development *(Polish)* 2−28175
electromagnet currents control using power FET chopper cct. 2−5103
Italian State Railways electric tractive units and general overview *(German)* 2−28165
Japanese railways, power electronics traction systems, interference problems 2−13034
motor-car trains of type line 270 DC chopper regulator testing engineering *(German)* 2−23369
motors with Steinmetz connection, chopper supply *(Hungarian)* 2−18161
NMOS op. amp., chopper stabilisation using feed-forward techniques 2−19569
one-quadrant DC drives, automatic speed control 2−18652
photovoltaic array load energy transfer optimisation using electronic series/parallel adaptors 2−18518

choppers (circuits) continued
rapid transit systems, optimisation of chopper equipment for minimising energy consumption 2−13022
rapid transit systems, propulsion system with power electronics, AC- and DC-drives 2−18708
rapid transit systems, rate-coded audio-freq. track ccts. with chopper propulsion drive, compatibility 2−18690
recent developments in thyristor-chopper technology 2−7920
step motor chopper driver, constant motor current, during positive and negative back EMF operation 2−4244
superconducting chopper amplifier, small voltage meas. *(Japanese)* 2−3238
switched mode power supplies, characts. 2−8972
switched mode power supplies, RF interference reduction 2−8979
switched mode power supply units 2−13962
switched mode regulator ccts. *(French)* 2−718
switching power supplies, step up, inverting convertors, characts. *(Italian)* 2−19540
switching power supply ccts., using monolithic control systems 2−8977
thermopiles, output chopping at very low frequencies, comparison with DC mode *(Japanese)* 2−7103
three-purpose unit of battery charger, DC/AC convertor and mains power supply *(German)* 2−8973
trains, TGV electrical units concept and characts. *(German)* 2−12984
two quadrant operation of separately excited DC motor with forward braking, comparative study 2−7921
variable fequency three phase current source inverter with prescribed current waveforms 2−18359

chopping *see cutting*

chromatic aberration *see aberrations*

chromatography
data enhancement and analysis, through mathematical deconvolution of signals 2−11993
electrical insulation degradation investigation methods, gel permeation and liquid chromatography studies 2−15039
high-pressure corona discharge interaction with dielec.-insulating materials, gas chromatographic anal. 2−9828
HPLC, using UV filter detector 2−16972
PC technology, ion chromatography appls. environmental anal., industrial hygiene and process control 2−5425
polychlorinated biphenyls anal. of transformer oils using gas chromatography, review 2−18312
power cables insulation, ageing studies, size exclusion and coupled chromatography 2−15079
printed wiring board fabrication, rigid, flexible, resolution of problems in process by SEM and chromatography 2−14467
process gas chromatographs, constant temperature thermal conductivity detector using thermistor bridge appls. 2−11442
pyrolytic gas chromatography appl. in optimisation of cure of enamelled wire film 2−15071
radio-chromatographic TLC tests, linear analyser and Beta camera developments 2−3396
transducer appl., amperometric, thin-layer 2−3122
CO_2 sealed TE laser discharge, gas chromatographic analysis of products 2−1848
H_2C_2 and dissolved gases in power plant cooling water, chromatographic analysis 2−17984
Si polycrystalline ribbon, high press. plasma deposition 2−24324

chronographs *see chronometers*

chronometers
digital wrist-watches performance improvement by using 4.2 MHz quartz oscillator 2−26968
IC clock module appl. *(Italian)* 2−7219
local chronometric system in Soviet Union 2−17141
portable, precise time transfer with submicrosec accuracy 2−3284

cinefilming *see cinematography*

cinematography
see also cameras; telefilming
animated cartoons, computerized drawing device for line changing *(Russian)* 2−22081
comtrak− combination photographic soundtrack 2−11304
CP200, cinema theatre audio processor 2−11305
Dolby stereo cinema sound systems, technology characts. *(Spanish)* 2−16717
duplex film unit for correction of rerecording audio-control console *(Russian)* 2−11307
electrocinematography, coding standards for colour TV signals 2−2965
electronic cinematography camera, design considerations 2−26628
electronic transcribing of Super 8 film onto video tape, Grundig system *(Italian)* 2−21973
FDL 60 telecine film scanner, signal processor 2−6937
frame count cueing system, computer-controlled, for film printing 2−22050
holographic cinematography of time-varying reflecting and phase objects using Nd:YAG laser 2−25873
laser target interaction obs., high-speed cinematography and interferometry developments 2−10341
lighting, high-power single-ended discharge lamps 2−8078
motion picture film production, editing and post-scoring efficiency improvement, ringless system method *(Russian)* 2−2955
power supply apparatus for TV and cinefilming lighting sources *(Russian)* 2−23372
sound motion picture film conversion in another projection freq. *(Russian)* 2−16749
sound recording studio reconstruction, acoustic features 2−3013
spatial filtration of TV images *(Russian)* 2−11249
stereophonic sound effects *(Japanese)* 2−3006
super 8 cartridge, movie camera, digital data-recording, temp. logging appl. 2−7052
telecine equipment, Japan *(Japanese)* 2−11244

circuit analysis *see network analysis*

circuit analysis computing
see also circuit CAD
algorithmic passivity in circuit and timing simulation programs, stability of numerical integration algorithms 2−660
bipolar and MOS circuit recognition and verification from layout information 2−25337

circuit analysis computing continued
bipolar circuit structures spatial one- and two-dimensional anal. using ZANBIT computer program on ESER 1040 computer *(German)* 2−25338
bipolar ICs, computer aided prediction of HF performance limits 2−25336
combined photovoltaic/thermal solar array DC electrical model 2−28109
CONDES, electrical network simulation, operating characteristics *(German)* 2−658
differential sampling gate convertor simulation for improvements 2−24633
digital cct. error diagnosis, computer programs *(German)* 2−5420
diode-transistor, networks with exponential characts., DC analysis 2−8960
discrete tolerance allocation, computer-aided method formulated as nonlinear integer programming problems 2−8942
dynamic circuitry testing, static automatic test program generators appl. 2−24471
electric circuit loops matricial vectorial equations *(Rumanian)* 2−24357
general-purpose circuit analysis program for minicomputer-GCAPN *(Chinese)* 2−24358
harmonic analysis, PILOTY program, appl. to filters *(French)* 2−19505
I^2L transistor circuits ILSIM simulation and test program *(German)* 2−24497
IC computer-aided latchup anal. 2−14907
IIR filter, standard architectures, CAD and anal. 2−24613
interconnected multiports, S-matrix calc., MINOP program for microwave network optimization 2−24691
large scale nonlinear circuit simulation program LNAP *(Japanese)* 2−5761
linear networks, simulation program *(Spanish)* 2−24369
linear oscillator frequency sensitivities, efficient computational algorithm 2−5071
logic testability, figure of merit criterium demonstration 2−19652
lumped/distributed networks, state-space anal. in time and freq. domains 2−13916
MADSSIM program, used for minicomputer complex digital cct. simulation *(Danish)* 2−19501
microwave filter anal. using HP-41C programmable calculator 2−5272
minimum phase circuits, group delay charact. computation from meas. amplitude charact. *(Czech)* 2−19506
multiconductor transmission-line parameters determ. in freq. domain, iterative method 2−8952
multiport wave digital filter, time domain anal. using multi-wire line model *(Japanese)* 2−9157
network, OSI microcomputer appl. *(German)* 2−651
nonlinear circuits, recurrent systematic methods for numerical anal. of transients *(Russian)* 2−13924
nonlinear lumped parameter-linear distributed parameter networks, time domain anal., algorithms and programs *(Hungarian)* 2−8950
nonlinear network, harmonic levels simulation 2−24374
nonlinear network generalized representation in frequency domain for machine anal. 2−24378
nonlinear networks, steady-state solution, efficient computing algorithms 2−5072
nonlinear radio circuits, Volterra nuclei determ. using modified structural matrices *(Russian)* 2−24377
phase calculation, Hilbert 2−661
planar microwave circuits with impedance matrix, computer anal. 2−19886
power thyristor computer-aided surge capability prediction and anal. under 50 Hz half-sine wave overloading 2−20245
radio circuits, multidimensional nonlinear, Volterra nucleus determ. using nonlinear input signals *(Russian)* 2−24376
rational function interpolation of the imaginary axis of the complex plane 2−659
shortest path calc. by optimal network reduction to subnetworks 2−13914
simulation of MOS integrated circuits 2−25366
simulation techniques for circuit design and analysis 2−24360
small-signal test program set generation 2−24363
switched capacitor MOSLSI networks, simulation, with DIANA 2−24362
switched capacitor networks, frequency-domain analysis, using analogue two-port equiv. ccts. 2−19525
switched-capacitor networks, computer aided analysis program, SCANAL 2−13930
switched-capacitor networks, frequency-domain anal. using continuous-time two-port equivalents 2−5076
symbolic network analysis, database for generating transfer functions 2−5069
testability analysis of analogue circuitry 2−19485
time response calculation from poles and zeros, TI-59 program 2−13911
toleranced analogue circuits, operation in linear regime, fault diagnosis 2−673
variable structure circuits anal. algorithm using difference equation-structural numbers method and discrete and continuous Laplace transformations *(Russian)* 2−28002
VLSI design and simulation, Transistor Electrical Characterisation and Analysis Program, TECAP 2−5064
wave digital filters, CAA 2−9153
WOBBELFIX circuit simulation program for network analysis, PC100 version *(German)* 2−5062

circuit breakers
see also circuit breaking arcs; gas blast circuit breakers; oil circuit breakers
1.2 MV circuit-breaker development for gas-insulated substations 2−18398
6-10 kV circuit breakers, performance improvements *(Russian)* 2−4307
500 kV disconnecting switch insulation, elec. strength evaluation 2−18390
arc-quenching reactor with direct current magnetization 2−12750
automatic loop sectionalising for improving distribution reliability 2−27491
auxiliary power system design optimisation for large generating units 2−17709
breaker control circuit*]* for 6-10 kV synchronous motors*]* *(Russian)* 2−4063
compact indoor switchgear installations with SF_6 circuit-breakers for 45 to 72.5 kV 2−7934
consumer unit design, implications of IEE wiring regulations 15th edition 2−23388
current operated earth leakage cct. breakers for protection against AC and DC fault currents 2−7956

circuit breakers continued
current operated earth leakage circuit breakers for protection against electric shocks on unearthed networks *(Hungarian)* 2−58
DC current interruption, large, using current sharing between two vacuum circuit breakers in parallel operation- 2−7947
development trends in fuses and vacuum interrupters for distribution system protection 2−27581
differential transformer core for ground fault circuit interrupters 2−17772
dual CMOS telebreaker, description and use in a domestic installation *(Spanish)* 2−9181
earth leakage cct. breaker testing, guide 2−18372
efficiency of induction-dynamic units *(Russian)* 2−23389
electrical equipment protection, standardisation, moulded cct. breakers versus fuses 2−12737
electronic circuits protection 2−7948
experiences with medium voltage vacuum circuit breaker equipment in distribution systems 2−7945
failures due to distribution harmonic currents, measures 2−28039
fairgrounds, primary distribution using 15 kV vacuum switches 2−22903
generator breakers and load switches, load current interruption 2−7936
generator transformer operation, circuit breaker effects *(Polish)* 2−12701
high-power testing *(Hungarian)* 2−18375
HV, high power, circuits for sub-switching sections for reduction of transient voltages on power disconnection *(German)* 2−28051
HV test circuits preparation, computer-aided *(French)* 2−4304
intelligent stored-energy devices ensure rapid reconnections 2−18370
interaction of blast products with arc in synchronized interruption, obs. 2−4316
low surge type vacuum circuit breakers, 3 to 12 kV range 2−28065
LV, automatic, specific energy determining test methodologies *(Italian)* 2−7943
LV circuit breaker development and testing, CESI laboratory facilities *(Italian)* 2−23396
LV switches short cct. rating *(Italian)* 2−985
metallic return transfer breaker for HVDC transmission system maintenance 2−12232
microprocessor-controlled reclosure test facility 2−28070
miniature, for domestic installations line protection *(Finnish)* 2−28037
miniature circuit breaker standards, 15th IEE Wiring Regulations, impact 2−12731
molded-case circuit breakers for underground mine power systems, accelerated life testing 2−18401
moulded case cct. breakers design possibilities 2−23381
moulded case circuit breakers, electric motor control appls. 2−7957
moulded case circuit breakers for overload and short cct. protection, new regulations, UK 2−7951
new generation of high speed circuit breakers *(French)* 2−7933
overvoltages after current chopping in a three-phase inductive circuit with isolated neutral 2−17672
permissible temperatures for contact connections of electric equipment 2−18389
power plant auxiliary motors, automatic transfer, new way to switch spinning motors 2−27675
power system circuit breakers' remote control using closed mobile radio communication system *(Norwegian)* 2−27572
power system protection, digital relaying, trends and advantages 2−3791
reference information on switches and relays 2−5407
remote monitoring of vacuum closures 2−28069
residual current cct. breaker protection, tripping time 2−23380
resistors, calc. of switching overvoltages for dimensioning *(German)* 2−28067
Stotz current-operated protective equipment for alternating and pulsating direct leakage currents *(German)* 2−28036
study of nonstationary thermal conditions of contacts in automatic breakers under overload currents *(Russian)* 2−18381
sub-circuit protection against overcurrent, current limiting miniature cct. breaker use 2−22960
switching device mechanics *(German)* 2−28046
synthetic testing, theory and methods *(Spanish)* 2−23395
transient recovery voltage anal. and computer model of 115 kV elec. system 2−12190
transient recovery voltage coping 2−18373
transmission lines, circuits with distributed parameters, transients and switching operations, calc. *(Russian)* 2−7524
tripping device design using minimal necessary part-functions method *(German)* 2−7937
types, charact., construction and application 2−28049
vacuum, development *(Croatian)* 2−28063
vacuum breakers, 6 kV-145 kV range, development trends 2−4310
vacuum circuit breakers for medium voltage power switching installations, quenching and arc extinction mechanisms *(German)* 2−28054
vacuum interrupters, designing and building feasibility study 2−23397

circuit-breaking arcs
see also circuit breakers; sparks
11kV, arc control pot and operating lever design considerations 2−4305
air-break contactors, N_2O prod. by switching arcs *(German)* 2−12738
arc thermal recovery speed in different gases and gas mixtures 2−12739
burning duration obs., contact surface shape influence *(Bulgarian)* 2−1499
control of integral characteristics of high-speed fuses, anal. *(Russian)* 2−12732
effect of various factors on characteristics of fuses *(Russian)* 2−24776
electrical characteristics of gas blast circuit breaker arcs at very high currents 2−28062
heating of narrow slot arc control devices 2−18388
improvement of low current interrupting capability in self-interruption GCB 2−28061
interaction of blast products with arc in synchronized interruption, obs. 2−4316
interruption of small currents in insulating oil medium, arc instability, and current chopping 2−7939
LV automatic switches, arcing behaviour mathematical model *(Italian)* 2−12734
open arc extinction time anal. *(Russian)* 2−28041
procedure for optimised determination of arc-quenching chamber parameters of an automatic cut-out *(Russian)* 2−28058
rotating arc SF_6 circuit breaker 2−7944
vacuum circuit breakers, development *(Croatian)* 2−28063
vacuum contactor protection units/ reacting to loss/ of vacuum in vacuum arc control devices 2−4315

circuit-breaking arcs continued
vacuum interrupters, arc physics 2−23397
SF_6 as insulating and arc-extinguishing medium, advantages *(Dutch)* 2−5840
SF_6 circuit breakers, insulating material deterioration under arc action *(Polish)* 2−15050
SF_6 switchgear, gas/solid insulation interface behaviour during arc discharges *(German)* 2−18377

circuit CAD
see also circuit analysis computing; circuit layout CAD
active Butterworth filter design using TI 58/59 programmable calculator *(German)* 2−19778
active filter design, Butterworth low pass, high pass, band pass , band stop 2−24595
active filters, component value determ, flexible program 2−19768
active thin film RC filters *(Hungarian)* 2−24596
Alphamap cell library for semicustom IC design 2−14896
automated design of ICs, development systems *(German)* 2−19503
automatic synthesis of digital systems, review 2−5066
BASIC subroutine to calculate nearest 5% standard resistance value 2−5063
bipolar power transistors, modelling for CAD 2−1362
CAD basis for frequency-dependent characterization of strip, slot and co-planar components 2−24717
cascaded multiterminal networks, computer generation of trees and co-trees 2−24349
CASMOS, accurate MOS device model with geometry-dependent parameters 2−20266
cell assembling language, directs realisation of data processing units for ICs 2−19508
CELTIC LSI logic design aids system, polycell base, automatic mask tape generation, facilities 2−5207
CMOS LSI, custom high reliability radiation hardened circuit design 2−9751
combinational algorithm use 2−8941
computer-aided engineering of microprocessor application systems 2−663
constrained optimisation of electronic networks to time-domain specs., interactive design 2−665
DA4, integrated design system, common design automation 2−662
design automation for VLSI and LSI 2−657
design automation in IBM 2−19502
DIANA, circuit simulation program 2−24361
DIANA-SC, CAD system for switched capacitor filters 2−19527
digital circuit CAD levels methods, crossing abstraction 2−789
digital filter, equiripple, nonrecursive, accelerated design procedure 2−19802
electronic cct. design, sample computer listings *(Dutch)* 2−13909
Essex Electronic Design and Analysis System, use of graphic cct. editor 2−668
FFT and IFT implementation on personal computers, BASIC programs 2−13912
fin-line detectors, modulators, and switches, CAD 2−24449
geometric and circuit level checking, Hewlett-Packards EXTRACT and Design Rule Checking systems 2−5771
global optimisation, computer-aided techniques 2−666
graphical interactive dialogue *(German)* 2−8943
hardened IC terminal modelling 2−14908
I-G SPICE and SUPER-SCEPTRE cct. CAD and simulation programs 2−19507
IC trends, conference, Paris, France (Apr. 1981) 2−13149
IIR filter, standard architectures, CAD and anal. 2−24613
inductively-coupled circuits, algorithm *(Russian)* 2−13913
integrated hierarchical CAD-CAM-CAT system in electronics, engineering design aspects 2−664
LC ladder four-pole filter synthesis using impedance parameters, TI 58/59 calculator program *(Czech)* 2−19766
linear circuit CAD, ACLINE, AMPSYN and CADSYN programs *(French)* 2−19509
linear networks, simulation program *(Spanish)* 2−24369
low-pass filter design using computer techniques, calc. of freq. response *(German)* 2−13915
LSI, Caltech's Silicon Structures Project 2−9719
LSI, integrated design aids system 2−14931
LSI custom design, programmable checking tool for verification support 2−1435
LSI development for telecommunication *(Japanese)* 2−26198
LSI logic, graphical interactive logic diagram capture and editing system for register level 2−802
LSI logic circuits, custom manufacture using LSI 2−14929
matching network design studies for microwave transistor amplifiers 2−5123
MIC, covered microstrip, CAD, impedance and effective dielec. constant, empirical formulae 2−24716
MIC oscillator *(Czech)* 2−14540
microstrip ICs, design and testing *(German)* 2−5362
microstrip medium for microwave and digital ccts., CAD techniques, book 2−23873
microwave feedback transistor amplifiers, graphical design method 2−5122
monolithic AF amplifiers, computer-aided evaluation of transient intermodulation distortion 2−751
MOS LSI, automated cct. parameter optimiser 2−15021
MOS transistor technology simulation *(German)* 2−14526
MOSFET, 3-D table look-up model for precise circuit simulation 2−14889
MOSFET, short channel, CAD model for threshold and subthreshold conduction 2−14890
multilayered PCBs, Integrated Thermal Avionic Design, min. life cycle cost 2−9298
NMOS VLSI, hierarchical design supported by integrated CAD-system 2−15037
OPTAN A/D convertors, CAD *(Russian)* 2−24565
optimisation on CAD systems, minimax algorithm evaluation 2−667
optimisation techniques for IC design, review 2−5788
PC CAD, interactive system choice 2−1014
PCB CAD/ATE systems, interrelationships and interfaces 2−5458
PCB CAD/CAM systems, appl. for productivity improvement, future problems 2−5428
PCB computerized design systems, operation and specific user needs 2−1013

circuit CAD continued
PCB design productivity improvement using CAD/CAM system 2−5432
PCB layout design 2−14388
personal computer-low cost plotter electrical circuit drawing system *(Japanese)* 2−24359
Poligon, British Telecom's system for design of ICS 2−13910
printed circuits, conference, New York, NY, USA (Jun. 1981) 2−18862
printed circuits CAD *(German)* 2−19943
process modeling of integrated circuit device technology, review 2−5786
PWM invertor systems 2−28026
RAM MACRO design system, optimized X and Y dimensions for improved performance and chip area utilization 2−5162
recursive digital filters with coeffs. having restricted minimal representation 2−15900
sense amplifier circuit 2−8987
shortest path calc. by optimal network reduction to subnetworks 2−13914
simulation of MOS integrated circuits 2−25366
simulation techniques for circuit design and analysis 2−24360
solid-state circuits conference, Freiburg, Germany (Sept. 1981) 2−18869
SOS VLSI fabrication by ion implantation, SUPREM-like 2D process simulator, field implant redistrib. 2−20426
standard IIR digital filters, CAD and anal. 2−24612
static FET chip CAD, DC design and AC anal., complex logic functions 2−5161
switched-capacitor filters, CAD based on cascaded biquad cells *(French)* 2−13931
switched-capacitor impulse-filters, time-varying parameters, CAD, freq. response anal. *(German)* 2−24601
two dimensional digital filter, recursive, CAD to specified stability margin 2−9154
two-port lumped and distributed networks, cascade synthesis, use of Minkowski model of Lorentz space 2−24370
VHSIC, design, architecture, software and testing, overview 2−14916
VLSI, CAD tools 2−14894
VLSI, design automation 2−20341
VLSI, LSI, design using gate arrays, state of art, problems and solutions 2−19644
VLSI, third-generation simulation techniques, review 2−5067
VLSI *(Norwegian)* 2−24356
VLSI algorithms, planar circuit complexity 2−20356
VLSI and LSI circuits 2−25325
VLSI circuit design and construction course summary *(Swedish)* 2−20280
VLSI circuits, CAD, review 2−5065
VLSI circuits, design aids, Advanced Study Institute, Urbino, Italy, 21 July-1 August 1980 2−23897
VLSI circuits, herarchical CAD system 2−9721
VLSI design, verification and pattern generation, low cost graphics system 2−1434
VLSI design methods, impact of testing 2−14966
VLSI designability 2−20355
VLSI modelling and simulation using APL programs 2−25277
VLSI submicron MOSFET design using SUBMODAN process/device simulation system 2−20425
VMOS power transistors for CAD, modelling of Epidrain effects 2−1387
voltage-frequency convertor, implementation of high resolution CAD *(French)* 2−14267
ZyP IC cell library for custom CAD 2−14990
GaAs *(French)* 2−14040
GaAs FET amps. for EW design 2−24419
GaAs MESFET modelling for CAD of circuits *(French)* 2−14853
GaAs microwave power FET device and circuit technologies, advances, CAD 2−24706

circuit design *see network synthesis*

circuit diagrams
automatic reconstruction of logic circuit diagrams for test-generation purposes 2−805
electrical schematics, probabilistic relaxation for automatic interpretation 2−8944
electronic schematics, comprehension, book 2−13198
graphical symbols for electrotechnology, Australian Standard AS1102 ladder diagram prep. 2−981
photon counting systems, one-electron pulse selector circuit 2−14039
radio pulse generator, for lasers with high freq. transverse discharge 2−15530
thermometer, distant-reading, for home construction, cct. diagram and calibration 2−3610
thyristor automatic drive control system for electric conveyor trucks for improved manoeuvrability *(Hungarian)* 2−18631

circuit layout CAD
see also circuit CAD
8A1200 gate array, for IC design, using integrated Schottky logic *(French)* 2−14979
Advanced Symbolic Artwork Preparation, Hewlett-Packard's IC design system 2−5768
AIDS, APL integrated-circuit design system 2−24816
Alphamap cell library for semicustom IC design 2−14896
automated cct. design 2−5061
automatic placement and routing in circuit layout CAD *(French)* 2−19504
automatic routing program with variable wire width 2−1428
automatic routing system for single-layer printed wiring boards 2−24778
automatic structured IC-layout design, top-down organisation 2−1429
BIGFET logic array layout design using BISIC program 2−801
bipolar VLSI, layout aids by automatic checking of cell library assembly *(French)* 2−14981
bipolar VLSI masterslice chip, automated placement and wiring 2−20391
CAD/CAM, gains in printed circuit design and production 2−19947
CAD/CAM system specifications 2−19949
CALMOS, CAL-MP placement and routing programs for VLSI 2−25328
cell assembling language, directs realisation of data processing units for ICs 2−19508
chip layout design, automatic routing method, duality between channel areas and module placement 2−1433
CMOS/SOS automated universal array for custom LSI devices 2−14056
computer PCB physical parameter verification, graphical interface appl., identification of net design errors 2−1024
connectivity study, for simplified circuit design *(French)* 2−13904
custom ICs composed of unequal size logic blocks separated by routing channels, interconnection, stochastic model 2−796

circuit layout CAD continued
custom LSI circuits, automatic layout, standard cell and automated universal array techniques 2−14962
custom LSI design using cell layout of IC with standard cells 2−1442
electrical schematics, probabilistic relaxation for automatic interpretation 2−8944
electronic design automation, conf., London, England (Sept. 1981) 2−18
force model for placement of components *(German)* 2−24355
gate array chips, automatic layout system 2−799
hybrid IC layout CAD, interactive system, mask information and document output 2−20002
hybrid ICs, MISHA computer-aided layout program for thick-film substrates, interactive system 2−20001
IC and printed circuits, algorithm 2−19954
IC arrangement on printed circuit plates, algorithm and program *(Bulgarian)* 2−9295
IC layout using Hewlett-Packards desk top computer, 9845C 2−5770
IC masks, automatic generation by means of pattern generator controlled by HP-9830 calculator *(Czech)* 2−5793
IC trends, conference, Paris, France (Apr. 1981) 2−13149
integrated CAD/CAM system using a relational data base 2−89
integrated circuit hierarchical routing 2−9698
layout design, DELILA program 2−1432
LDS I, universasl development system for logic arrays 2−14895
logical wire connections, existence of kernel functions 2−25322
LSI, GAELIC system for complex chip design 2−1431
LSI, integrated design aids system 2−14931
LSI circuit layout, topological fragments on crystal arrangement algorithms *(German)* 2−9710
LSI interconnect PCB technology, trackability prediction 2−1021
LSI layout design, raster scan colour graphics terminal appl. 2−1430
LSI logic circuits, custom manufacture using LSI 2−14929
LSI mask artwork minimum cut algorithm to facilitate computer-aided manufacturer *(Chinese)* 2−5780
LSI masterslice layout, number of horizontal tracks 2−9709
mask artwork analysis system for bipolar integrated circuits 2−9065
mask generation language, description and appl. including ICs 2−5759
maximal density of ICs or PC cards in automated design *(Czech)* 2−14382
MOS VLSI, integrated design automaton system DAMOS 2−1463
multi-MOS structure for VLSI layout CAD 2−14989
multilayer PC backplanes wiring, automatic routing 2−9293
NMOS VLSI, hierarchical design supported by integrated CAD-system 2−15037
PC artwork, CAD and design automation (routing) systems, timeshared implementation 2−5433
PC laser pattern generator imaging machine, using computer control 2−9308
PC productivity improvement, do-it-yourself cost analysis plan 2−14385
PCB artwork CAD system for improved production 2−1017
PCB artwork generation, automated systems 2−19944
PCB automated routing, CAD and design automation techniques and appls. 2−5435
PCB design systems, facilities available 2−5430
PCB for computer, quasi-optimal distrib. of electronic components *(Spanish)* 2−19952
PCB in-circuit testing interface requirements and a design approach 2−9286
PCB layout, digitization system, CAD software, SUPER APRICOT program 2−14394
PCB layout CAD, automatic routing, checking programs, overview 2−9297
PCBs, automatic wire tracking 2−1019
PCBs, Autoplacement board layout design automation tool 2−5436
PCBs, IBM 4341 card and board layout 2−1023
PCBs using CAD/CAM systems 2−19950
placement and routing algorithms 2−20359
prerouting analysis of printed circuit boards 2−14384
printed circuit board CAD *(German)* 2−14387
printed circuit board design *(German)* 2−19942
printed circuit boards, methodology 2−5431
printed circuit CAD, review *(German)* 2−14383
recognition and verification of bipolar and MOS circuits from layout information 2−25337
Redac PCB CAD system, tailoring to suit requirements of customer 2−9301
reiterative automatic placement and tracking (RAPT) for PCB 2−1022
SHARP system for PWB 2−1018
signal processing chip, design and verification 2−14968
SLIM−the translation of symbolic layouts into mask data 2−20342
symbolic layout compaction, CABBAGE system 2−25329
target-oriented line search method for automatic circuit layout on minicomputers *(Chinese)* 2−9292
universal routing algorithm with automatic necking for designing dense PCD 2−1020
VLSI, CAD tools 2−14894
VLSI, highly automated semi custom design approach 2−20365
VLSI, MDS−a design automation system based on macros 2−1440
VLSI, new lower bound techniques for layout area 2−9725
VLSI, relations between input and communication/computation 2−9728
VLSI, review 2−5068
VLSI, role of test chips in coordinating logic and cct. design, and layout aids 2−9740
VLSI, shortest path searching algorithm, wave front propagating in four quadrants 2−14960
VLSI, upper bounds, census functions approach 2−9726
VLSI algorithms, design methodology, synchronous systems optimisation 2−9727
VLSI and LSI chips, probabilistic model for global wiring 2−20354
VLSI and LSI circuits 2−25325
VLSI channel routing algorithms, provably good 2−20360
VLSI channel-routing problems, lower bounds 2−20362
VLSI circuit layout and design 2−9067
VLSI circuits, design aids, Advanced Study Institute, Urbino, Italy, 21 July-1 August 1980 2−23897
VLSI circuits, herarchical CAD system 2−9721
VLSI circuits CAD layout and design techniques *(Swedish)* 2−25282
VLSI design, OASIS, automatic design tool for symbolic layout of circuits 2−14965
VLSI design methodology, role of CAD tools 2−20364
VLSI design with the MIMOLA design system 2−1441

circuit layout CAD continued
VLSI routing algorithms for rectilinear channels 2−20361
VLSI test generating programs *(Norwegian)* 2−24356
wirability and placement algorithms for VLSI 2−20358
wire wrapping, NC-based CAD/CAM system 2−978
wire-routeing problem for VLSI, optimal soln. 2−9697

circuit layout computer aided design *see circuit layout CAD*

circuit oscillations
see also circuit resonance
cable oscillations in inverter application *(German)* 2−28010
gas-filled spark gap triggered RLC ccts. 2−14599
multimode asynchronous oscillations, in delayed oscillators 2−19588
Prospector metal locator, modification to eliminate spurious cct oscillation 2−7074
self-excited ring oscillator with N-tuned amplifiers, fluctuations anal. 2−14004
spurious protection operation in open-cast mining and quarrying power networks caused by circuit oscillations methods of avoidance *(Russian)* 2−27485
two dimensional state-space digital filter, stability and overflow oscillations 2−15894

circuit reliability
see also quality control
64K dynamic RAM reliability, test procedures 2−14121
automatic LSI photomask defect inspection for improved yield, charcts., and reliability 2−1417
binary tree structured transmultiplexer design 2−6682
CMOS LSI, custom high reliability radiation hardened circuit design 2−9751
CRT devices, flashover testing 2−5513
custom LSI and hybrid IC reliability model weighting 2−5497
distribution reliability evaluation, integrated historical and predictive assessment approach 2−17710
dynamic RAMs, 16k and 64k, Hitachi reliability studies 2−9095
hybrid circuits reliability *(Italian)* 2−1075
hybrid IC, Ag alloy thick film conductors and Ag-loaded chip attachment resins, Ag^+ ion migration 2−5495
hybrid ICs, reliability improvement, through preencapsulation cleaning process 2−24844
IC, standards and economical aspects *(Italian)* 2−5762
IC interlevel reliability improvement 2−20289
ICs voltage step testing, appl. to static and dynamic devices provides reliability information 2−14935
Intel 2816 E^2 PROM, basic operation and intrinsic failure mechanisms 2−14127
logic elements, series-connected circuit, probability of malfunction *(Russian)* 2−9083
LSI circuit reliability aspects 2−14899
LSI custom digital circuits, testing methods and equipment 2−14964
LSI stress, introduced by plastic packages, measurements with integrated strain gauges 2−14940
microelectronics effects on labour-material-cost balance *(German)* 2−9325
MNOS non-volatile memory, temperature accelerated estimation of reliability 2−15025
monolithic IC reliability and quality assurance, testing during life cycle, mass production aspects *(Japanese)* 2−8314
monolithic ICs, compare-equal checking of outputs of pairs of identical chips for reliability improvement 2−14909
MOS, time-zero dielectric reliability test by a ramp method 2−15032
MOS LSI, plastic encapsulated Cu lead frame-epoxy die attach packaging system, reliability study 2−13293
multilayer board assembly reliability rel. to design, accelerated life testing 2−14399
multilayer PCB plated-through-hole reliability, effect of drilled hole wall quality and Cu plating thickness 2−9314
multilayered PCBs, Integrated Thermal Avionic Design, min. life cycle cost 2−9298
NMOS dynamic RAM in plastic packages, reliability evaluation in high humidity and temp. environments 2−25356
NMOS memory devices, reliability of standard screening techniques 2−13324
NMOS RAM, voltage breakdown characteristics compared with accelerated life tests and field use data 2−15026
optimum allocation problems *(Chinese)* 2−13905
PCB solder adhesion reliability, oxide particle accumulation at solder-Cu interface, ageing tests 2−5457
PCB soldering, flux choice criterion rel. to reliability 2−9319
plastic encapsulated ICs, reliability tests and internal stresses 2−14941
Polish manufactured ICs *(Polish)* 2−14527
PWB aqueous cleaning procedures for high reliability appls. 2−14497
PWBs, detergent cleaning of FR-4 test coupons, reliability testing 2−14492
second breakdown protection of a power supply's pass transistor 2−5734
semiconductor reliability testing method, pressure cooker tester using steam pressure 2−1416
thyristor controlled drive reliability parameters and assessment guidelines *(Polish)* 2−18633
thyristor exciters, reliability anal. 2−12719
transmission network expansion plan reliability analysis, simplifying software system 2−17676
TTL-LS failure modes, long term thermal stability of Schottky diodes realized by PtSi-Ti/W-Al metallization 2−9084
VHSIC technology, role of reliability and accelerated testing 2−9722
VLSI, reliability implications of polyimide multilevel insulators 2−9744
zero risk net analysis for insulation resist. testing of component carriers 2−18976
Cu thick film microcircuits, environmental effects 2−1063

circuit resonance
see also circuit oscillations
110 kV systems with arc suppression coils, neutral point displacement, resonance curve meas. method *(German)* 2−17702
dip meter for inductance or capacitance measurement *(Spanish)* 2−7184
electric circuit fundamentals, book 2−13199
LC circuit analysis calcs. 2−24434
OCR resonators, realization of canonical forms 2−5285
overvoltages and overcurrents due to power factor correction capacitors when natural frequency equals mains supply harmonic, calc. method *(Italian)* 2−7481
timing ccts. for PAM system repeaters, jitter accumulation analysis 2−10618

circuit synthesis *see network synthesis*

circuit theory
see also distributed parameter networks; filters; lumped parameter networks; network analysis; network parameters; network synthesis; network topology; time-varying networks
application of resonant circuit theory to matching networks 2−26379
biquadratic n-dimensional impedances, Hurwitz polynomials, positive real functions 2−8935
book 2−11
electric circuit overdetermined system of equations, solution 2−24347
electronics theory and design, discourses *(Spanish)* 2−19484
generalized Tellegen's theorem for the one-port network and its equivalent network *(Chinese)* 2−24385
introduction to electric circuits, book 2−15
kinetic component of thermal noise in circuits 2−24348
networks obeying Kirchhoff's laws, principle of power assignment 2−13902
principles of electrodynamic circuit theory *(Russian)* 2−650
randomly diluted network, percolation and conduction 2−681
soliton-impurity interaction in nonlinear lattice, expt. using LC circuit 2−8964
state representation for deterministic processes *(German)* 2−24128
two terminal circuit, phase transition 2−678
waveguides as open resonators, microwave network theory *(Chinese)* 2−915

circuit topology *see network topology*

circuits *see networks (circuits)*

circular polarisation *see polarisation*

circular waveguides
antenna-feeder polariser using circular waveguides and metallic posts *(Japanese)* 2−10601
axial co-planar slot and co-axial slot couples *(Russian)* 2−26024
broadband horn antenna with low sidelobes, GTD anal. and expt. tests 2−10575
cavities with partial-height ferrite insert, anal., circulator appls. 2−24676
cylindrical waveguide filled with ionized gas moving at const. velocity, EM field 2−2178
dielectric rod antenna, high efficiency feed for reflector antennas 2−15773
diffraction and focal expansion in flanged circular waveguide *(Russian)* 2−21173
flanged, radiating through small aperture into absorbing med., reflection anal. 2−2173
high-power extracted pole quadruplexer for satellite T direct broadcast 2−26488
two-layer screened waveguide of circular cross-section, wave numbers of complex waves 2−10545
Wiener-Hopf solution for the radiation from a cylindrical truncated waveguide with anisotropic boundary conditions on the walls 2−21177

circulators (microwave)
26-GHz band integrated circuit of a double-balanced mixer and circulators 2−19870
canonical representation and figure of merit 2−19855
Chinese University of Hong Kong microwave and antenna research 2−21249
dielectric and magnetic losses *(Rumanian)* 2−14284
e-type circulator for fin lines 2−916
electrically controlled attenuator based on a Y-circulator *(Russian)* 2−24666
extension of an old circulator model, nonresonance parameters 2−5340
ferrite materials for high power microwave circulators 2−15214
H-plane waveguide Y-junction circulator, wide-band stagger-tuned design, X-band 2−24677
MM-wave distributed nonreciprocal structures, coupled-mode theory 2−5339
nonreciprocal microwave components fabrication using thick film ferrimagnetic pastes 2−937
periodic ferrite slab waveguides, anal. using perturbation method 2−2175
quarter-wave long composite ferrite/dielectric resonator for use in waveguide circulators 2−926
transformer coupled multiple freq. circulator with Chebyshev charcts., synthesis 2−9208
UHF tunable low-loss circulator for cryogenic appls. 2−24661
waveguide cavities with partial-height ferrite insert, anal., circulator appls. 2−24676
waveguide-below-cutoff technique, use of evanescent-mode resonators 2−24678
Y-junction dielectric waveguide circulator, 35 GHz band, $MgTiO_3$ dielec., Ni-Zn ferrite gyromag. function material 2−19857
Y-junction microstrip circulators for wideband operation, field theory treatment 2−14282
Y-junction of strip lines filled with gyrotropic material, scattering matrix 2−933

civil engineering
see also architecture; building; dams; excavators
Black Mt. Telecom. Tower, Canberra, design and construction 2−26420
Kowloon-Canton Railway (British section), modernisation 2−4413
laser control of highway construction equipment 2−21003
power station, dual coal/oil fired with four 350 MW generating sets 2−7724
road pavers, sensors and laser systems 2−21004
road surface shape meas. using laser sensor 2−21005

civil engineering computing
see also architectural CAD; town and country planning
concrete structures, differential creep stress analysis 2−13654
eigenvalue methods and the analysis of structural vibration 2−441
elastic plates, numerical analysis by segmentation method 2−13735
land survey and setting out using EM distance meas. and electronic processing 2−22220
multistorey building stress direct P-delta anal. 2−8664
natural draught cooling tower performance, which effects prediction by computerized model *(German)* 2−17954
oil reservoir modelling, variational techniques 2−430
prebuckled domes, nonlinear three-dimens. anal. 2−13737
selecting the optimum cross-section of a concrete gravity dam 2−22995
skeletal frames, large displacement analysis 2−13736
transient acoustic response of submerged shells, DAA2 and IDCA models 2−13693

cladding techniques
No entries
claddings
composite metal technology, joining processes and appls. 2−19459
Cu-clad laminates, electron microscope exam. of surface treatment effects 2−19959
electric connectors, manufacturing techniques and reliability 2−19927
LMFBR cladding breach monitoring by solid state tagging of fuel element surface 2−17910
metal coating for electrical contacts, tribology 2−19912
optical fibre wavegudies, losses induced by ionising radiation 2−15313
optical fibres as temperature sensors using cladding and jacket loss effects 2−15291
optical waveguide, hollow core, oxide-glass-cladding, loss calc. 2−25517
reactor fuel performance testing with respect to pellet clad interaction 2−7656
silicone-rubber reflecting cladding for glass core fibre waveguide 2−1718
InGaAsP low threshold DH lasers double clad with InGaAsP confining layers 2−20881
U alloy target, Zircaloy-2-clad, design and evaluation for pulsed neutron source 2−17228
classical algebra *see algebra*
classification
Bayesian evaluation of inspectors in sensory tests 2−8282
commutation methods 2−18365
forests, classification using LANDSAT-D Thematic Mapper data 2−7450
image segmentation, as classification problem *(Dutch)* 2−21385
multiple levels and classifications/ of emergency electrical power systems/ 2−3726
noise phenomena classification 2−25169
remote sensing, statistical scale-up estimators for surveys where detect. and classification errors exist 2−12064
classification, pattern *see pattern recognition*
clay
electrostatic charges on clays and coal electrostatic beneficiation 2−13135
cleaning *see surface treatment*
cleanliness *see hygiene*
cleavage fracture *see brittle fracture*
climatology
see also atmospheric humidity; atmospheric precipitation; sunlight; wind
remote sounding of atmosphere and ocean, for climate research 2−3585
clipping circuits *see limiters*
clocks
see also atomic clocks; chronometers; time measurement
4.2 MHz analogue wrist watch, low-power, using CMOS IC 2−25395
analogue quartz watch power supply, stabilized drive system for stepping motor 2−28137
batteries development, Li miniature batteries characts. comparison 2−28083
cardboard clock, educational project 2−23916
controlled counter for calendar clock 2−26891
digital clock extraction circuit 2−5158
digital stopwatch/clock, using CM174 module LCD 2−5269
digitally set exposure clock for photo-amateurs/ *(German)* 2−3192
electronic watch, improved piezoelectric buzzer design, direct drive type 2−25394
horologicum star clock, providing GMT, sidereal time, using logic ICs decade counters 2−7221
IC U 124 D appl. in timing circuits *(German)* 2−879
level sensitive scan design compatible clock generation scheme 2−9051
loop adapters, new sync clocking to ensable testing 2−5177
non-overlapping clock generator 2−24571
quartz thermostatic pilot, employing crystal oscillator *(French)* 2−26892
quartz watches accuracy assessment, digital simulation based on Monte Carlo method 2−25393
quartz wristwatch, 32 kHz, integrated temp. compensating system 2−25396
real time clock chip, used for microprocessor systems, CMOS MSM 5832 *(French)* 2−14145
satellite-switched TDMA frame synchronisation clock correction 2−2756
shaft encoders, elimination of clock-count errors 2−14050
speaking clock with 25 kbit store producing 20 words *(German)* 2−10656
Speechtime talking clock, construction and appls. 2−5311
synchronisation, VLSI chips, automatic adjustment of several decentrally generated clock pulse sequences of a computer distributed over several VLSI chips 2−5176
table alarm clock, with LED display using CM 202 IC *(German)* 2−17143
talking digital clock, UAA 1003-3 speed synthesizer IC, amateur constr. 2−26868
theory-of-sets time display clock *(German)* 2−5266
'tick-tock' sound generator, for electronic clocks 2−9169
universal digital clock-counter chip using TTL and MOS circuitry *(German)* 2−19756
closed circuit television
CCTV arrow generator, controllable marker insertion on picture 2−16656
hostage negotiation appl. 2−16657
image processing using hard-wired analysers 2−11612
industrial inspection appl. 2−21971
Magnox nuclear power station, monitoring using stereoscopic TV system 2−11259
microwave links for data transmission 2−26298
security system CCTV, video disc recording appl. 2−26639
Video Information Control Cable Burying System (VICS) 2−21726
video teleconferencing by the medical education teleconference 2−6949
VIDEOSPRAY, camera controlled painter 2−21972
ZTU-04 closed circuit TV equipment, characts. 2−6936
closed loop control systems *see closed loop systems*
closed loop systems
see also feedback
Abnormal Transient Operating Guidelines programme for nuclear power station operators 2−17878
automobile engine microprocessor control 2−18730
colour TV receivers, luminance peaker gain control 2−2899
depth of feedback, possibility of direct measurement *(Russian)* 2−3236
electric motor rotational velocity control using phase feedback loop, advantages and practical appls. *(Polish)* 2−4016
flight control, dual input actuator for fluidic backup 2−17491
frequency synthesis by phase-locked loop *(German)* 2−9016
closed loop systems continued
gyroscope, fibre-optic, closed-loop, low-noise 2−1712
petrochemical plant, distillation energy consumption, closed loop optimisation using computer control package 2−23835
power generation control by shifting eigenvalues of a closed loop system 2−27382
power system closed-loop emergency control system 2−27404
production operation of submersible pumps with closed-loop adjustable speed control 2−8119
prosthetic systems, closed-loop control, historical perspective 2−17413
solids concentration and flow meas. of slurries and sludges using US sensors 2−11668
stepping motor minor-closed-loop-control for high speed positioning 2−12670
submerged arc furnace microcomputer control system 2−8108
thyristor PWM power convertor in intermediate current conditions, stability of closed-loop system *(Russian)* 2−23354
Xe arc lamp, radiant flux stabilisation 2−18740
cloud chambers
No entries
Clusius-Dickel columns *see isotope separation*
cluster analysis *see pattern recognition*
clutches
see also brakes; drives
TS type electric switch machine with electromagnetic clutch 2−12600
clutter
see also radar clutter; radar displays; radar interference
adaptive threshold technique for local clutter suppression 2−2372
c.m.o.s. integrated circuits *see field effect integrated circuits*
c.m.o.s.i.c. *see field effect integrated circuits*
coal
see also mining
100 MW coal gasification combined cycle power plant design and projected performance 2−12502
100 MW integrated coal gasification combined cycle power plant, USA 2−3975
500 MW generating station with inexpensive coal blending system 2−3924
720MW coal-fired power station flue gas sulphur removing plant operating experience *(German)* 2−27657
1710 MW coal-fired station, high speed coal handling system 2−3923
ash content anal. using annihilation radiation 2−3385
atmospheric fluidised-bed combustion plant development, commercialisation strategies 2−27759
baghouse filter design for pulverised-coal-fired boilers 2−23132
bituminous coal fired power stations support by Federal German Government for environmental protection *(German)* 2−17955
boiler furnaces, slagging assessment method based on coal minerals thermal behaviour 2−23097
Brazilian coal and oil shale development processes using nuclear energy *(German)* 2−12405
brown coal for power station fuelling, effect of quality variations *(German)* 2−3889
burning in boilers designed for oil fuel 2−18015
catalysed coal direct hydrogenation 2−12505
ceramic wear liners in abrasive western coal handling systems reducing downtime and maintenance 2−3813
changing to coal firing without boiler derating 2−27665
coal cleaning to improve boiler performance and reduce SO_2 emissions 2−17930
coal gasification, entrained flow, mathematical modelling for steam or gas turbine power stations 2−12503
coal gasification combined cycle power generation hot fuel gas desulphurisation process development *(Japanese)* 2−27713
coal gasification process by Sumitomo Metals 2−7709
coal-fired steam generator and turbine unit cycling operation 2−18006
coal-fueled central cogeneration, large biomass 2−17943
coal-oil mixtures and coal-water slurries as alternatives to oil fuel 2−12324
cogeneration power plants, coal gasification/combined cycle, anal. 2−17948
combined cycle plant, coproduction of electric power and methanol from coal 2−23070
cool water coal gasification, 100 MW demonstration facility 2−3901
dry fine, development of high gradient and open gradient mag. separation 2−25922
dry two-stage flue gas desulphurisation system for converted boiler 2−23131
eastern bituminous coal gasification field trial, USA 2−17800
electricity from coal in USA, history and future trends 2−23094
electrostatic beneficiation using cyclone-tribocharger 2−13134
electrostatic charges on clays and coal electrostatic beneficiation 2−13135
electrostatic precipitators working principles, filter design and impulsive feed arrangements for application in coal burning plants *(Italian)* 2−15626
enrichment and utilisation, future trends *(German)* 2−22974
environmental problems associated with coal use including desulphurisation and fly ash use *(Dutch)* 2−23082
establishing reliable coal flow in power plants 2−27720
evaluating freeze conditioning agents for coal/ 2−3829
evaluation of heating coke/ produced from ash- and sulphur-rich lignite/ *(German)* 2−3825
experience with the use of pulverised brown coal in oil-fired steam generators *(German)* 2−23084
explosions and fires due to coal dust *(Rumanian)* 2−8221
firetube boiler solvent-refined coal combustion 2−12427
fossil energy carriers comparison with fissionable material energy content *(German)* 2−27606
fuel for heating purposes, technical and economic aspects *(German)* 2−17794
gas turbine cogeneration systems, indirect coal-fired, future 2−18042
gas turbines, coal-burning, research advances in erosion prediction and reduction 2−12511
gasification, development work *(German)* 2−7595
gasification and coal-fired electric power generation performance for space heating 2−23125
gasification combined-cycle power plant dynamic response and control strategy 2−18041

coal continued
gasification systems integrated with power plants, thermal perf. and water use 2−18004
gasification using nuclear heat, tubular cracking oven conceptual design *(German)* 2−27638
gasification/liquefaction unit process ready for commercial application 2−12336
gasifier coupling to combined-cycle power plant 2−12409
German Federal Republic energy policies *(German)* 2−17793
handling plant design for large power stations *(German)* 2−3898
high capacity low NO_x coal burner for retrofit and new units 2−27716
Indonesian State Railways fuel consumption reduction measures to cope with energy crisis 2−18680
integrated coal gasification-combined cycle power plant based on moving bed gasifier, digital simulation study 2−12487
integrated coal gasification-STEG power plant *(Dutch)* 2−27704
investigation of the electrical precipitation of Ekibastuz coal ash as a function of the exhaust gas temperature 2−12472
large bituminous coal fired steam generators operating on S. African coal, fuel and slag analyses 2−7721
large flow fan mills, measures to increase efficiency *(Rumanian)* 2−23788
liquefaction technology, sedimentation by addition of antisolvent liquids 2−3834
liquid-metal MHD cycle operation for solar collectors and fossil-fuel combustors 2−23650
Matsushima thermal power plant flue gas desulphurisation system operation results *(Japanese)* 2−27712
Mexican, energy conservation and its effects on energy costs *(Spanish)* 2−22971
mHD coal combustor development status 2−8015
mine, improvements in the mechanical excavation of coal from steeply inclined strata *(Russian)* 2−23852
mining, transportation and associated cost trends 2−17818
mining and reclamation: Coal costs, regulations and utility planning 2−23854
mining industry, in Soviet Union, fuel and energy resource economising methods *(Russian)* 2−8132
nuclear gasification, complex multi-material processes energetic anal. *(German)* 2−27605
occidental controlled flash pyrolysis process and its application to power generation 2−7710
past, present and future utilisation trends *(German)* 2−7594
peat char gasification−laboratory and PDU-scale studies 2−27608
petrographic characteristics of lignites from the Rovinari-Motru basin and their effects on thermal power plants *(Rumanian)* 2−12328
pollution, coal fired power stations and the environment in West Germany *(German)* 2−12485
power generation pulverised coal technology improvement, funding methodology 2−27603
power plant coal handling sytems 2−7704
power plants with gasified coal storage for changing load conditions *(Polish)* 2−23144
power station operation and production influenced by coal quality *(Czech)* 2−27667
power station systems and equipment with good ecological charact. 2−17998
power station wet and frozen coal flow problems and solns. 2−18018
power stations in USSR, increasing use in light of Soviet antipollution legislation 2−17991
preparation plants in USA, instrumentation and automation systems status review 2−27749
present status of Florida Power Corporation's DOE funded feasibility study of the Higgins plant repowering/coal gasification project 2−18028
production of synthetic crude oil from coal using the TOSCOAL pyrolysis process 2−17824
programmes for research in mining and coal, United Kingdom 2−3823
pulverised coal combustion charact. 2−12504
pulverized coal ash, chimney solids and trace elements from 500 MW boiler stack, charact. determ. 2−23098
pulverized coal fired boiler, combustion air automatic trimming using flue gas CO concentration ref. 2−23099
quality upgrading for effective utilisation in steam generating plants 2−7596
regulations affecting coal costs and availability 2−22997
reserves in USA, promises and problems 2−17796
risk analysis of nuclear vs. fossil-fuel economics 2−17819
safety enhancement in coal mines *(French)* 2−18839
simulating coal pile runoff as a design tool 2−27600
South African reserves, feedstock use 2−12326
steam generator unit experience at Georgetown Univ., Washington, DC 2−23127
steam power plants in USA, fifteen capital cost estimates 2−27752
steam power station, Ruhrkohle AG, Flingern, 35 MW vortex fired, operating data and technical details *(German)* 2−17965
steam power stations, 110 MW, steam boiler with slag-tap furnace for burning brown coral 2−23110
steam power stations, 165 MW, boilers burning Turkish lignite design and operation charact. 2−23109
Texaco gasifier-based gasification-combined-cycle system, preliminary O_2 plant assessment 2−27755
utilisation/ and conversion/ of coal/ *(Dutch)* 2−22994
Vresova pressure gas plant technology for gas production from brown coal 2−28318
westinghouse fluidized bed coal gasification process for phosphoric acid fuel cell power plant 2−7988
world energy resources *(Dutch)* 2−22973
CH_4 content anal. 2−7610
NO_x emission reduction in pulverised coal combustion *(German)* 2−27683
O_2 manufacturing plants, suitability for load following combined cycle power plants 2−27754
S removal from Indiana V coal during two stage liquefaction process, feasibility study 2−3835
SO_2 emission control, cost-effectiveness of coal cleaning and flue gas desulphurisation 2−18017

coating processes *see coating techniques*

coating techniques
see also anodisation; cladding techniques; coatings; electrodeposition; electrophoretic coating techniques; encapsulation; epitaxial growth; metallisation; spray coating techniques; vapour deposition
optical fibre coating technique, high speed, with UV curable materials, rates >5 m/sec 2−15293
optical fibres, new primary coating method using thermoplastic tube 2−5996
substrate holder shape for uniform coating thickness for IC manufacture 2−19428
Be coatings on zircalloy sheets, physical vapour deposition techniques, appls. 2−5028
Ni plating of stainless steel, by electroless technique, specimen preparation for crack detection 2−13874
Si-on-ceramic substrate fabrication using Si-coating-by-inverted meniscus process, solar cell appl. 2−23569

coatings
see also anodised layers; antireflection coatings; claddings; decorative coatings; electrodeposits; electrophoretic coatings; epitaxial layers; insulating coatings; protective coatings; spray coatings; sputtered coatings; vapour deposited coatings; varnish
dielectric coating on inner surface of pipe, DK-1 composite quality inspection unit 2−5045
Formvar coated Nb-Ti/Cu composite supercond., recovery from post-quench conditions 2−5934
fosterite and stress coatings on grain oriented Fe-Si (3 wt.%), effect on domain struct. 2−15120
high temperature battery systems, use of coatings 2−18445
incandescent lamps development, energy conserving, with multi-layer heat mirror coating 2−13057
metallic coatings, meas. techniques *(German)* 2−22389
nonuniform, inspection with integral thickness gauge 2−11615
optical waveguide, glass thin-film, low loss, using surface coating and laser annealing 2−6016
PCBs, coating thickness meas. 2−14403
polyimide thin coating for protecting repair wires on printed circuit boards 2−5437
resistive ribbon coatings, conductive materials 2−19458
surface coating curing electron beam accelerator appls. 2−23812
thick-film resistors screen printed on ceramic-coated steel substrates 2−1061
thickness gauging method using X-ray fluorescence 2−8862
thin current conducting method of monitoring 2−7185
thin film, laser damage thresholds at 532, 355 and 248 nm 2−1994

coatings, protective *see protective coatings*

coaxial cables
140 MHz submarine coaxial cable system design *(Japanese)* 2−21715
565 Mbit/s transmission system, multiplexing, regenerating and fault-locating techniques 2−6685
565 Mbit/s transmission system development on 2.6/9.5 mm coaxial cables 2−6686
800 Mbit/s digital transmission system over coaxial cable 2−6535
800 Mbit/s repeater, circuit design 2−6536
assembling method for coaxial cable and connector 2−19924
CATV bidirectional amplifier for trunk line 2−2940
CCITT Study Group recommendations on jointing telecommunication cable conductors 2−10950
computer networks, cable choice 2−16325
concentric corrugated Cu cable *(Japanese)* 2−19909
connection tester 2−976
connectors, overview 2−5416
corrugation of outer conductor, optimum shape analysis 2−24754
coupling in multi-cable system, lumped-circuit model 2−9259
crosstalk reduction due to random assembling, broadband signal transmission appl. *(Japanese)* 2−21418
dielectric loss tangent accurate meas. using coaxial cable 2−11587
digital coaxial cable system (LD-4), fault location and restoration, review 2−6534
digital coaxial systems, max. achievable repeater spacing 2−6736
enamel coated braided cable, SGEMP response and shielding effectiveness 2−14328
fault location using Schmitt triggers 2−14325
filled cables with small residual gaps, dielectric conductivity effects at high fluence 2−14330
helical coaxial cables having ferrite magnetic core for MW-band communication *(Japanese)* 2−14327
HF submarine, general expression for attenuation characteristics, finite-order polynomial form *(Japanese)* 2−16331
laminated Al sheathed coaxial cable with 80% expanded polyethylene insulation for CATV systems *(Japanese)* 2−10948
line code selection in PCM-transmission on coaxial cables *(German)* 2−2275
microwave coaxial multimode diode limiter, cut-off freq. 2−24655
optical coaxial dielectric directional coupler 2−25503
plenum cable for high-speed data transmission, foamed FEP dielec. 2−21714
propagation coeff. of loaded coaxial cable, perturbation technique *(Japanese)* 2−6734
reflection factor meas. of four-pole coupler 2−17121
RF permittivity meas. of biological tissues with open-ended coaxial lines 2−22541
RF permittivity meas. of biological tissues with open-ended coaxial lines 2−22542
satellite cables response to system-generated EM pulse 2−14329
screened TUKA cable system for rural networks 2−10949
SMA coaxial connector for semi-rigid cable, improved design 2−14336
submarine cable fault location test set employing measurement of the frequency-scanned return modulation product *(Japanese)* 2−26734
submarine coaxial cables, armoured/nonarmoured structural design study *(Japanese)* 2−16328
thin-layered cylindrical media, electric waves *(Russian)* 2−16323
volumetric terrain following sensor, 915 MHz, coaxial transmission line, outdoor perimeter surveillance appl. 2−13254

coaxial lines *see coaxial cables*
cochlea *see ear*
Cockcroft Walton rectifiers *see voltage multipliers*
code convertors
see also codes; information theory
ACE 4-field TV standards convertor 2−16560
BCD/binary and binary/BCD convertor/ *(Slovak)* 2−2280
decimal digits storage with ASCII code output, using RAMs 2−24577
digital code convertor, effect of buffer dividers on nonuniform binary pulse sequences *(Russian)* 2−5168
digital PCM-ADPCM convertor for digital tandem connections 2−21304
digital transmission rate reduction, code conversion appl. *(Japanese)* 2−15848
fast code-phase convertor 2−904
functional microcircuit design based on distributed resistive structs. *(Russian)* 2−24819
Gray code to binary code conversion program *(German)* 2−2259
Gray to binary converter using exclusive-OR gate 2−6411
single channel codec using an intermediate code converter 2−6668
telephone and facsimile terminal introduction into existing data communication networks 2−6639
telephone network signalling convertor for digital transmultiplexer 2−6676
code standards
see also codes
computer networks, integrating the data encryption standard 2−2525
cryptographic authentication/ of time-invariant quantities/ 2−2526
home information service standardisation prospects 2−10827
Polyglot-C international teletext system standard 2−21534
Prestel telestoftware display standards 2−2500
codecs
30 Mbit/sec codec using interfield-intrafield adaptive prediction for NTSC signals 2−16624
asynchronous intra-frame coding with one-dimensional prediction 2−21301
broadcast TV signals, statistical performance anal. of interframe encoder 2−16625
codec-filter chips testing 2−5760
colour TV codec for video conferencing 2−21955
digital attachment of encoder/decoder, for patient's case history automatic transmission over voice channel 2−16210
digital communication devices for PCM telecommunication circuits 2−6669
digital PCM-ADPCM convertor for digital tandem connections 2−21304
digital telephone exchanges, interfacing 2−2622
DPCM codecs for PSK voiceband data 2−21305
ECL encoder and decoder circuit, 4-valued logic levels 2−19646
filter codec transmission parameter tests algorithms, results and lower bound estimates 2−21693
forward error correcting codec/interleaver for a digital troposcatter system 2−6820
high-performance integrated analog/digital test and characterization test system 2−22104
hypergroup, interworking analog/digital transmission systems appl. 2−10894
intra-fame codec for NTSC color video signals 2−21684
LSI single-channel, hardware configuration for PCM multiplexing equipment *(Japanese)* 2−6664
LSI single-channel, in PCM multiplexing equipment, transmission characteristics *(Japanese)* 2−6665
LSI single-channel, PCM multiplexing equipment for digital communications appl. *(Japanese)* 2−6663
LSI single-channel, specifications for digital telephony *(Japanese)* 2−6666
MK5316 Codec II from Mostek, CMOS technology 2−6660
multiplexed CODEC using shift register storage, voice line appls. 2−26320
PCM codec+filters using noise shaping and digital filters 2−21303
rate half convolutional codecs, new synchronisation scheme 2−21685
RGB and NTSC signals, coder/decoder units 2−16637
satellite security system operating specifications, development 2−21812
single channel, LSI, use in PCM multiplex equipment 2−21683
single channel codec using an intermediate code converter 2−6668
single channel LSI, design *(Japanese)* 2−6667
single channel PCM codec with voice band filters, LSI development *(Japanese)* 2−26317
single-channel LSI, PCM MUX equipment for digital networks *(Japanese)* 2−6662
single-channel PCM voice CODEC in NMOS technology 2−26316
speech, S/N ratio meas. system, microprocessor-controlled 2−11371
supergroup, interworking analog/digital transmission systems appl. 2−10893
telephone system requirements, new codec/filter ICs 2−2591
testing, computer-based methods/, simulated hardware appl., effect of intrinsic meas. errors 2−16255
TV broadcasting, A-D conversion measurements 2−11154
voiceband codec/ with digital filtering/ 2−2592
volume codec testing techniques, correlation study 2−22103
coder-decoders *see codecs*
codes
see also cryptography; data privacy; encoding; error correction codes; error detection codes
δ-codes and construction of Hadamard matrices 2−15847
Abelian, quasi-Abelian and Gray codes over Zm 2−21289
adder channel with multiple correlated sources, telecommunication appl. 2−21298
automatic extension of an ATN knowledge base/ 2−2258
B_4-code length, lower bound 2−2277
band-limited satellite channels, convolutional code and signal waveform design 2−2764
bar code record format 2−21293
binary extremal doubly even self-dual code (64, 32, 12) obtained from extended Reed-Solomon code 2−10634
binary linear block codes meeting Griesmer bound 2−15830
block code for noiseless asynchronous multiple access OR channel 2−10727
CHILL compiler, code generation formation *(Italian)* 2−21271
conditional incremental-runlength code based on two dimensional Markov model 2−10638
conditional runlength codes based on two composite states, improvement 2−10628
codes continued
convolutional, minimum and free distance determination using modified Forney's algorithm 2−6407
convolutional codes related to cyclic codes, lower bound on free distance 2−15835
cyclic redundancy code computation in binary synchronous communication protocol 2−26274
delta modulation and PCM, comparison appls. *(German)* 2−2276
digital satellite communications, unique word detection method and its error rate performance 2−21795
doubly even, odd prime nos. which can divide into a (72,36,16) doubly-even code 2−21288
ESS equipment codes, Reconfigurable Access Functional Test System 2−26353
extremal polynomials used in bounds of code vol. 2−15845
facet-dependent digital filter 2−14222
gray code generation for MPSK signals 2−10636
Gray code generation technique 2−6408
Gray code to binary code conversion program *(German)* 2−2259
group-theoretic codes for asymmetric channels 2−13348
Hamming's decimal codes, application to data processing in automatic control systems 2−10642
Hedeman H-1, H-2 and H-3 codes, characteristics 2−2264
heuristic decoding of convolutional codes/ 2−2274
hierarchical coding of discrete sources 2−15846
Huffman, application of informational divergence 2−21278
image transmission system for TV signals, low-speed, experimental system 2−26297
Lee codes, Elias-type bound over large alphabets, appls. to perfect codes 2−21287
line code selection in PCM-transmission on coaxial cables *(German)* 2−2275
logic circuit testing SEC-MUED code 2−2283
lower bound of the allowable rate domain for adder-channel with correlated sources 2−2278
Meteor radio-relay channel devising of 'interference-proof' codes in residual classes *(Russian)* 2−26412
minimal cyclic codes, weight distribs. 2−10633
MMS43 block codes on digital line systems, occurrence probability of multiple bit errors *(German)* 2−6401
optical orthogonal pulse compression codes by hopping 2−21272
optimal lattice-based code, encoding and decoding algorithms 2−2290
partial response multi-h phase codes, spectral calc. 2−2326
pseudorandom binary phase code with errors and Doppler-shifted CW 2−21291
Ptarmigan digital transmission codes 2−21755
random access packet-switched code division multiple access systems, performance analysis 2−2228
redundant binary positional number systems in data handling *(Russian)* 2−21296
resolution capability of induction reading of code scales 2−19675
run code, conversion to chain code 2−21367
run-length limited codes, charge-constrained, channel capacity calc. 2−21292
serial time codes for analogue data recording 2−7117
signal space codes, min. Euclidean distance 2−21279
standard identification codes for office equipment inventories 2−26085
subscriber line card in distributed control switching system 2−2628
t-constant codes, design 2−15836
telephony, digital subscriber line transmission, comparison of different line codes 2−16241
ternary 3PM magnetic recording code and system 2−25425
three-level balanced code for optical communications systems 2−21852
transmission, computer aids for calculating power spectral density 2−2273
trellis decoding of convolutional codes, implementation of microprocessors 2−26086
two-dimensional code for progressive transmission of two-tone images 2−21485
two-dimensional cyclic codes, independent point set determ. for doubly periodic arrays 2−15831
two-weight projective binary code construction *(French)* 2−6410
universal codes, minimax redundancy matching to channel capacity computable by standard techniques, comments 2−10607
variable-length code-word encoder/decoder 2−10635
video tape recorder, digital, format and coding systems 2−21982
Viterbi, appl. to universal SAW modem for satellite links *(French)* 2−16411
Viterbi detector, microprocessor based implementation and testing 2−10627
weakly minimax universal codes for stationary processes, total boundedness 2−10629
weight-preserving automorphisms of group algebras, characteristation 2−154
coding *see encoding*
coding errors
see also error correction; error detection
pseudorandom binary phase code with errors and Doppler-shifted CW 2−21291
shaft encoders, elimination of clock-count errors 2−14050
videotex service quality over switched telephone network, effect of transmission errors *(French)* 2−21533
Viterbi detector, microprocessor based implementation and testing 2−10627
coefficient of thermal expansion *see thermal expansion*
coercive force
see also magnetic hysteresis
acicular particles, coercivity and packing density 2−15210
Alnico 5 with Nb additions, columnar, permanent mag., mag. props. 2−9865
γFe_2O_3 audio tape recording props. rel. to particle size 2−20501
Fe-Al-B amorphous system, annealing effects on magnetic properties and crystallisation process *(Japanese)* 2−15107
field strength, meas. procedure for ring specimens in audio freq. range 2−11596
measurements in particulate systems, kinetic effects 2−15185
meter, automatic ferromag. probe with cyclic mag. reversal 2−3256
mischmetal-Co-Cu-Fe-Mg alloys, mag. props. for permanent magnet application 2−20521
permanent magnetic developments, review 2−5902

coercive force continued
soft magnetic materials development, mag. anisotropy and magnetistriction meas. 2−15102
soft non-iron based alloys, properties and applications *(Czech)* 2−25419
steel, low C, study of mag. ageing kinetics 2−15121
transition metal-base amorphous alloys, mag. props., comp. depend. 2−15134
ultra-high density recording the Sendust video head and high coercive tape 2−15188
Ba ferrite films with perpendicular mag. anisotropy, DC sputtering prep. 2−13835
Co-Cr films for perpendicular mag. recording, opposing targets sputtering deposition 2−13834
Co-Cr films for perpendicular recording, RF sputtering deposition 2−15128
Co-Cr films with perpendicular magnetic anisotropy, RF sputtering prep., coercivity and X-ray orientation 2−15126
Co-Cr perpendicular recording medium by vacuum deposition, mag. and struct. props. 2−15127
Co-Cr sputtered layered media, optimisation for areal density 2−15194
Co-Ni-W sputtered film, recording performance and mag. props. 2−15193
Co-P chemically deposited film, mag. props., effects of activation and acceleration 2−5887
Co-P magnetic electroless thin films, effective life 2−20481
Co-rare earth permanent magnets, materials and appl. *(German)* 2−20519
$CoFe_2O_4$, epitaxial growth on acicular γ-Fe_2O_3 particles, coercivity, temp. depend. 2−20486
CrO_2 particles, mag. props., mag. tape appl. 2−15184
Cu-Al/garnet interface bubble memory device, generate threshold amplitude 2−20534
Fe particles, mag. props., mag. tape appl. 2−15184
Fe-B-C-Si, amorphous low core loss materials, comp. and heat treatment 2−15133
Fe-Co, metal pigment, coercivity and unit particle size 2−15105
Fe-Cr-Co-Si (27, 17.5, 1 wt.%), mag. and struct. transitions, mag. props. 2−15211
Fe-Cr-Si-B amorphous ribbons, mag. props. 2−20483
Fe-Ni-Al alloy YuND4 magnets, cooling rate rel. to mag. props. 2−15129
Fe-Pd (18 to 52.5 at.%) alloy, mag. props., by mag. meas. and X-ray diffr. 2−9866
Fe-Si (6.5 wt.%) ribbons, mag. props. and grain struct. after annealing 2−15125
Fe-Si alloys, high Si content, mech. and mag. props., recent studies 2−15114
Fe-Si alloys, rapidly quenched, mag. props. 2−9851
Fe-Si-Al single crysts., mag. props. near Sendust comp. 2−15124
$(Fe_{0.82}B_{0.18})_{0.9}Tb_{0.05}La_{0.05}$, amorphous and crystallised, mag. props. 2−9850
Fe_3N_4 pigment, coercivity and unit particle size 2−15105
Fe_4N powder, magnetic recording tape prep., electron microscope obs. 2−20500
Fe_xN_{1-x} film, noncrystalline, mag. and recording props. 2−1558
γ-Fe_2O_3, acicular, prep. with antisintering agents, mag. and rheological props. 2−15106
γ-Fe_2O_3:Ti(Co), sputtered double-layer disk, mag. props., recording charcts. 2−15196
γ-Fe_3O_4 particles, mag. props., mag. tape appl. 2−15184
Li-Ti-Zn ferrite, effect of MnO_2 and Bi_2O_3 additives on props. *(Slovak)* 2−1565
$SmCo_5$ sintered mag. alloys, domain wall pinning and nucl., thermal activation and coercive field 2−15131
$SmCo_5$ sintered mag. alloys, domain wall pinning and nucl., mag. viscosity obs. 2−15132

coercivity *see coercive force*

coexistent superconductors *see magnetic superconductors*

coherence
see also light coherence
EM, wave reflection from discrete scatterers in turbulent atmosphere, saturation effect in coherence function 2−21076
frequency hopping techniques considering coherence bandwidth, effect of diversity 2−11001
interferometry, very-long-baseline geodetic appl., coherence limits 2−17561

coherence distance *see coherence length*

coherence length
Josephson junctions, weakly coupled, thermal fluctuations and phase locking 2−9911
Nb superconducting bridge, short variable-thickness, vortex flow regime 2−5940

coherent accelerators *see collective accelerators*

coherent antiStokes Raman scattering
four wave mixing, rotational CARS and stimulated Raman scatt., 3D phase matching 2−10365

coherent potential approximation *see CPA calculations*

coils
see also cores; inductors; solenoids; windings
30 MJ superconducting magnetic energy storage for BPA transmission line stabilizer 2−7552
bisphenol A epoxy resin props. for radiation-resistant magnet coil insulation 2−2104
bow-shaped toroidal field coils 2−6314
calculation of principal parameters of coils with ferromagnetic cores allowing for nonsinusoidal behaviour of parameters *(Russian)* 2−971
cast coil transformers, design and construction 2−18314
Cluster Test Facility for superconducting Tokamak toroidal coils 2−77
coil insulation under intense γ-ray irradiation, flashover charcts. study 2−1502
continuous high magnetic field production, review of devices *(Chinese)* 2−21058
criteria for thermal stabilization of superconducting devices 2−25467
DC motor field coils, new insulation system 2−23313
electron optics, EM coils, winding distrib. 2−10427
equalizer coils for currentsharing of parallel diodes in short-time operation *(Dutch)* 2−19905
EURATOM coil, quench induced He flow and recovery in superconducting cable 2−1645
EURATOM coil, structural anal. for Large Coil Task 2−1644
coils continued
Faraday effect measurements by Magnetic Scalar Potential Difference 2−6307
focusing, for electron-optical convertor, Al foil coil construction 2−2106
Football test coil simulation of internally cooled cabled superconductor 2−1655
frequency-dependent impedance, of coil embedded in solid iron slot 2−9252
HF welding, with induction coils, design calc. 2−28274
high sensitive quench detection method using an integrated test wire 2−1642
hybrid water-cooled and superconducting magnets development for fusion reactors *(Japanese)* 2−1671
inductance, liquid conductance at high frequencies meas., using non-contact system 2−11586
insert coil for SULTAN, design and construction 2−5964
intercoil insulation in power transformer, electric strength determ. 2−4261
leakage inductance of electromagnet shading coil (intra-slot parts) 2−15653
linear synchronous motor, without exciters, EM field of stator coil with massive conductors, anal. *(Russian)* 2−7872
long life coil of field 50 T for plasma research 2−6312
loss-angle measurement, series and parallel cct. *(German)* 2−11579
magnetic bubble package, full-access coil form 2−20539
magnetometer, fluxgate, sensitivity calc. w.r.t. meas. coils dimensions *(Chinese)* 2−22365
mechanical properties, influence on coils prestress 2−1668
mica-resin insulated coils, tests and degradation criteria 2−7824
multi-poled AC coil, force on cylinder placed eccentrically in magnetic field *(German)* 2−27858
Nb_3Sn/NbTi superconducting windings for 30 MVA synchronous rotary condenser 2−1650
pulse current meas., coil with magnetic core design *(Chinese)* 2−17069
pulse-type energy conversion devices, selection criteria for inductance coil parameters 2−24747
radio set coils, vintage, construction details 2−5388
SIN Pion Therapy Facility superconducting coils 2−1661
stator coil manufacture, cost effective approach 2−23956
superconducting devices, conf., Chicago, USA (Nov. 1980) 2−8158
superconducting magnet coils of Mirror Fusion Test Facility, mechanical behaviour 2−9955
superconducting magnetic system with spherical coils of finite thickness 2−25468
superconducting multifilamentary Roebel bars, power losses 2−4028
Swiss LCT coil, conductor construction 2−1654
Swiss LCT coil, stress anal. and design 2−1646
Tokamak magnet, electrical insulation tests after mechanical stresses at −196°C and 23°C 2−2101
toroidal coils, efficient winding process, machine set-up and shuttle wearout limits 2−23986
visual demonstration of the electric field of a coil carrying a time-varying current 2−13186
Al anodised strip excitation coils for LEP magnets 2−7264
Nb_3Sn field coils for rotating supercond. machine 2−5958
NbTi cable in conduit windings for 113 mm bore solenoid, design, construction, test 2−1659
NbTi filamentary cable solenoid 2−1660
NbTi, high current superconductor for Swiss LCT fusion coil, AC loss behaviour 2−1664
V_3Ga multifilamentary tape in Nb-Ti high field mag. 2−5962

coincidence circuits
see also counters
liquid scintillation coincidence counters 2−27078
multiple-user data acquisition and analysis system for high flux beam reactor 2−7291
multiplicity logic unit, for gamma-ray detection 2−11852
neutron coincidence counting method, CARMEN 2−3426
Ge(Li) γ-γ coincidence counter, Compton suppression spectrometer, NaI(Tl) veto shields 2−11791
Pu passive assay, with shift register neutron coincidence counter 2−7295

cold-cathode tubes
see also counting tubes; photomultipliers; phototubes
No entries

cold rolling
superconducting amorphous alloys, supercond. props., review 2−15239

cold shortness *see brittleness*

cold working
see also bending; cold rolling; plastic deformation; work hardening
brass waveguides, rectangular, vibr. strength, improvement by metal treatment *(Russian)* 2−13850
steel, anisotropy in cold worked layer, US obs. 2−13887
thin plate, metallurgical characterization by ultrasonics 2−8886
Fe-Pd (18 to 52.5 at.%) alloy, cold drawn, mag. props., by mag. meas. and X-ray diffr. 2−9866
Fe-Si alloys, high Si content, mech. and mag. props., recent studies 2−15114

collections of physical data
No entries

collective accelerators
heavy-ion accelerator, magnetometric apparatus for pulsed magnetic f ield meas. in accelerating system 2−11689
heavy-ion accelerator, magnetometric apparatus for pulsed magnetic field meas. in accelerating system 2−17196
high beam-current accelerators, research program in US, review 2−3312
ion acceleration from explosive-emission plamsa 2−3361
light ion beam injector, electrically insulated, controlled beam focusing 2−3306
relativistic beam, high-current, waveguide buncher optimisation 2−17216
slow cyclotron waves in tubular electron beams 2−17213
Tonus-Vera electron accelerator for ions collective accel. study 2−3313

collimators (optical) *see optical collimators*

collision sequences, focused *see sputtering*

colloid chemistry *see colloids*

colloids
see also Brownian motion; electrophoresis; gels; magnetic fluids
colloidal solutions of magnetite as separation medium for nonferrous materials 2−4562

colloids continued
electronic method of determining the strength of suspensions in colloidal sols 2−17166
plasma, graded density, with colloidal net, second harmonic generation 2−2157
polymer coatings, plasma deposited, colored, metal codeposition technique 2−25474

colorimetry
see also spectrochemical analysis; spectrophotometry
image addition and subtraction for white light by colorimetric meas. *(Chinese)* 2−21366
liquid crystal display, twisted nematic, multiplexability, colorimetric study 2−10082
liquid crystal displays, guest host and twisted nematic modes, colorimetric characts. 2−7165
nematic liquid cryst. display 90° twisted, optical props., colorimetry 2−10085
nematic liquid crystal display under ambient illum., colour gamut 2−22314
telecine, test materials for alignment 2−26629
TV, make-up colour measurement, chromaticity and radiance factor of faces, MOMCOLOR colorimeter *(German)* 2−26598
WO_3 electrochromic display colorimetric study colorimetry; 2−15346

colour
see also colour vision
luminescence investigations, vision research implications 2−28210
MBBA-cholesteryl nonanoate mixture, cholesteric, rotatory dispersion under AC elec. field, appl. to colour display device 2−17060
nematic liquid cryst. display, in birefringence mode, colour contrast criteria 2−3231
sensor, spectrum controllable, using organic dyes 2−11481

colour blindness *see colour vision*

colour cameras, television *see colour television cameras*

colour centres
see also F-centres; OH^--centres; V-centres
CMOS integrated circuits, radiation-induced damage, thermal annealing activation energy 2−25354
laser crystal, solar-radiation-pumped, feasibility study 2−1932
lasers, tunable, review 2−20856
ruby laser in γ-radiation field, colour centres, laser generating props. *(Russian)* 2−15500
Nd^{3+}:YAG radiation coloured crystals, colour centre infuence on energy characts. 2−20871

colour display tubes, television *see colour television picture tubes*

colour filters *see optical filters*

colour perception *see colour vision*

colour photography
colour separation, hand-colour lithographs to laser-scanned transparencies 2−15581
telecine system interface with colour negative film 2−26641

colour picture tubes, television *see colour television picture tubes*

colour receivers, television *see colour television receivers*

colour television
asynchronous intra-frame coding with one-dimensional prediction 2−21301
codec for video conferencing 2−21955
DAC in PCM transmission systems for colour TV 2−6905
digital component video recording at 230 Mbit/sec 2−16674
digital decoding and encoding of the NTSC signal at 912 samples per line 2−16675
digital signal processing techniques *(Dutch)* 2−15874
group time delay nonuniformity of RF baseband channel for transmission of accompanying sound channel on subcarrier 2−10520
LaserVision Optical Videodisc system, for storage and retrieval of colour TV pictures 2−16679
linear rules of chrominance classification, effects of noise 2−2388
make-up colour measurement, chromaticity and radiance factor of faces, MOMCOLOR colorimeter *(German)* 2−26598
NTSC TV signals, architecture for hybrid coding 2−11150
PAL system limitations, reduced vertical definition *(Spanish)* 2−6927
picture quality of component digital television systems, effects of analogue filtering 2−16638
predictive data compression, colour picture signals using component coding system 2−11151
projection TV distortion correction requirements 2−21954
RGB and NTSC signals, coder/decoder units 2−16637
SECAM color TV signals, high-frequency precorrection 2−11225
slow scan TV, colour techniques 2−21958
SMPTE component-coded digital video, picture quality assessments 2−16571
SMPTE demonstrations of component-coded digital video, San Fransisco, 1981 2−16636
telecine colorimetry, test materials for alignment 2−26629
three-dimensional TV systems, compatible volumetric, using colour, monochromatic TV and LED tank 2−16616
time-frequency multiplexing, two colour TV signals, simulation results 2−11149
video signals, NTSC, contour prediction, adaptive DPCM algorithm 2−10705
videoconferencing systems, automatic colour balancing *(Japanese)* 2−26652

colour television cameras
1-chip MOS imager with colour filter array *(Japanese)* 2−11212
automatic color balancing system for color TV camera using illuminant sensor 2−11226
C-CD image sensors, employed in colour TV design 2−11201
C-CD matrix colour TV camera, 580×532 array, main camera units *(Russian)* 2−16640
electronic field-production cameras, operational and functional characts. 2−16662
electronic new gathering hand camera for TV broadcasting *(Japanese)* 2−11228
electronic photography equipment for semi-professional applications, colour cameras *(German)* 2−2933
FAC 1800, Grundig VTR compatible *(Italian)* 2−16672
Hitachi Denshi's colour TV cameras, models, SK-100 and SK-91 2−2928
home movie system, small video tape recorder using solid state CCD camera 2−2946
Jupiter spaceprobe (Voyager), performance of cameras 2−16632

colour television cameras continued
MAG Japanese TV camera *(German)* 2−16619
magnetic video camera by Sony, colour pictures without chemistry *(German)* 2−16618
MOS solid state imaging device, use with memory VLSIs 2−16651
portable camera development, ENG appl. *(Japanese)* 2−11214
Saticon 1-inch tube, for high-definition colour TV cameras 2−20038
Sharp's colour video camera for home use 2−2930
solid state, comparison of Hitachi, Sony and Toshiba designs *(Japanese)* 2−11216
Sony's colour TV camera for testing electronic gathering system, DXC-1600 series 2−2937
spatially encoded, colour filter design *(Japanese)* 2−11215
stripe filter with DDC solid state image sensor for color TV camera 2−11218
Toshiba's PK-60 ENG/EFP colour camera having digital and analogue circuits 2−2929
variable focus lenses, methods for increased multiplicity *(Russian)* 2−21912

colour television picture tubes
aircraft cockpit colour CRT display technology 2−3560
beam index colour CRT 2−2901
Blaupunkt, for high resolution displays *(German)* 2−11544
colour, monochromatic, projection CRTs, technology developments 2−20040
coolant sealed CRT for projection TV 2−2905
CRT cathode cutoff ratio measurement 2−24886
digital TV storage picture tube for colour TV receivers, development *(German)* 2−21941
display equipments utilizing light relays *(Italian)* 2−5511
display graphics possibilities 2−21631
electron gun, multi-step focusing *(Czech)* 2−9377
fidelity improvement 2−2906
filter concept for TV screens, optical capability limits 2−16631
flat picture tube developments and principles *(Czech)* 2−5516
flat vacuum fluorescent TV display, with MOSFET switching array 2−26922
flat-screen, 1981 development trends *(Spanish)* 2−2913
high-resolution colour display tubes, technology, characts. 2−20039
kinescope screen pigmentation rel. to brightness and contrast of image reproduced *(Russian)* 2−16642
liquid crystal display panel, using MOSFET/capacitor array with gate bus drivers 2−26921
magneto-static focusing for color CRTs 2−2903
quadra potential focus electron appls. *(Czech)* 2−20042
receiver using beam-index colour CRT 2−2902
reduced neck diameter, electron gun and convergence system design, development *(Czech)* 2−20043
spring contacts, used for HV continuity between mask frame and conductive coating 2−20041
turbo-trinitron, contour crispening using beam velocity modulation *(German)* 2−14591
vacuum fluorescent display devices, used for TV video images 2−22327
video output stages IC to drive colour TV tube 2−2927

colour television receivers
Blaupunkt colour TV series with 35-45 W power consumption *(German)* 2−21942
Chroma III universal signal processor *(Spanish)* 2−16600
circuit solutions *(German)* 2−21935
coolant sealed CRT for projection TV 2−2905
cross hatcher 2−16583
digital TV storage picture tube for colour TV receivers, development *(German)* 2−21941
digital video signal processing, meas. for improving picture quality *(German)* 2−21939
flicker avoidance in domestic receivers *(German)* 2−26619
frequency synthesis tuning system for colour TV, microcomputer controlled 2−2896
Grundig colour TV chassis, characts. *(German)* 2−21940
Grundig Super-Color TV set, audio-frequency circuitry for stereo sound *(German)* 2−16594
Grundig Super-Color TV set, IR remote control module *(German)* 2−16596
Grundig Super-Color TV set, tuner-IF combination *(German)* 2−16591
Grundig Super-Color TV set, tuning unit *(German)* 2−16595
Grundig Super-Color TV sets, design and circuitry *(German)* 2−16590
Grundig Super-Color TV sets, line deflection circuitry *(German)* 2−16593
Grundig Super-Color TV sets, line deflection control and frame deflection ccts. *(German)* 2−16592
Grundig Super-Color TV sets, switched mode power supply *(German)* 2−13950
Grundig Super-Color TV sets, videotext decoder *(German)* 2−16128
high-definition TV developments 2−2922
ITT chassis development for 1980 *(Italian)* 2−6906
Motorola's Chroma III multistandard TV colour processing system 2−2909
multi-standard Motorola Chroma system using LSI circuits *(German)* 2−11203
NTSC colour signals, colour transitions 2−2898
power supply unit for 90 to 264 V input *(Italian)* 2−19529
reliability test data anal. using Weibull method 2−142
sharpness control, luminance peaker gain control 2−2899
signal discrimination efficiency in a receiver with a chrominance indicator, analysis 2−2356
Thorn 4000 chassis, servicing, timebase and convergence 2−16610
Thorn TX10 chassis for driving 110° tubes 2−16611
TV receiver digitalisation, using VLSI MOS ccts. *(Spanish)* 2−26620

colour tv *see colour television*

colour tv receivers *see colour television receivers*

colour vision
see also eye
CRT display and hard-copy printout, colour graphic advantages 2−17055
LED dark adaptometer, microprocessor-controlled 2−27145
luminescence investigations, vision research implications 2−28210

coma *see aberrations*

combination scattering spectra *see Raman spectra*

combinational circuits *see combinatorial circuits*

combinational mathematics *see combinatorial mathematics*
combinational switching *see combinatorial switching*
combinatorial circuits
see also combinatorial switching
binary combinations, homogeneity classes 2−19230
bridging fault tests 2−19639
built-in testing hardware test pattern generation 2−19604
intermittent faults detection 2−1444
linear-time divider array 2−14049
logical efficiency estimation 2−24472
many-valued logics design 2−14084
multi-output combinational circuits, self-checking *(Chinese)* 2−9066
multi-valued, stuck-type fault detection 2−14087
multiple fault testing, Boolean difference appl. 2−14047
multivalued and multi-level, map partition method testing 2−14088
multivalued combinatorial circuits dual radix logic 2−14089
multivariable combinational logic cct. design, sequential approach, computer-aided methods 2−9087
noise analysis of soft errors in combinatorial ccts. via Walsh transforms 2−14063
phase-to-voltage converter using combinational logic 2−9195
SIPMOS in combinatorial circuit elements *(German)* 2−5813
switching function, probability *(Spanish)* 2−5206
test generation technique for devices without gate-level descriptions 2−1439
testing, functional level test calc. concept 2−803
testing, syndrome-test time reduction 2−9062
tests generating method by structure description functions 2−9090
three-variable logic functions, new classification 2−24495
combinatorial mathematics
see also graph theory; sorting; trees (mathematics)
(0,1) matrices without certain configurations 2−19190
r-major index 2−13584
Banach spaces, refinement of proximity estimates for two distributed sums of random variables 2−24182
binary and graphic matroids, characterisation 2−24172
binary combinations, homogeneity classes 2−19230
blocking and antiblocking theory, penumbras use 2−19220
broken-circuit complex structure and factorisation 2−24143
circuit CAD, combinational algorithm use 2−8941
classification of a set of class (0,1,n,q+1) in PG(d,q) *(French)* 2−19191
coloured cubes, MacMahon's set, 6-tori and applications to representation of tensors 2−4880
commodity circulation, Hoffman's existence theorem generalisations 2−354
differential forms $S^{p,q}$ *(French)* 2−307
ellipsoid method and its consequences in combinatorial optimization 2−19172
f-vectors of simplicial convex polytopes, sufficiency of McMullen's conditions 2−19189
finite projective spaces and affine planes, common characterisation 2−24155
four-dimensional Hall triple systems *(French)* 2−24154
frames and pairwise balanced designs 2−4862
generalised quadrangle weakly embedded in PG(3,q) *(French)* 2−24159
generalized Worpitzky identities with applications to permutation enumeration 2−19163
geometries that are almost buildings having flag-transitive groups 2−24158
Higman-Sims technique applied to generalised quadrangles 2−19164
identity for the divisor generating function arising from sorting theory 2−13582
Latin squares with pairwise orthogonal conjugates 2−8601
lattice paths, enumerative problem 2−19160
locally undecomposable relations and independence systems, distribution 2−8584
mathematical programming advances, combinatorial optimisation and Lagrange relaxation *(Japanese)* 2−426
matrix Riccati equations and q-analogue 2−8602
matroid products 2−8594
matroids, critical problem, constructive approach 2−24146
matroids and multicommodity flows 2−24160
matroids on the bases of simple matroids 2−19161
metric space mapping fixed point theorem 2−351
minimum spanning tree with normal variates as weights 2−394
monomer-dimer configurations on rectangular boards 2−19192
number of combinations without unit separation 2−13579
numbers related to partitions of unlike objects and occupancy problems 2−24157
partially underlined permutations and geometric polynomials *(French)* 2−24148
PIE-sums: a combinatorial tool for partition theory 2−19188
problem of H. Sachs *(German)* 2−8633
pseudo Youden design 2−13588
quadrangles, generalised, combinatorial characterisations 2−24161
renewal arrays Eplett's identity 2−8597
rogers-Ramanujan bijection 2−19193
Room cubes, spectrum 2−24156
SDRs, formulae for number and symbolic representations 2−24152
Sperner's lemma appl. to matroids 2−19162
unifying framework of combinatorial optimisation algorithms, tree programming and its validity 2−395
variable dimension algorithms and algorithms using primitive sets 2−13610
weight-preserving automorphisms of group algebras, characteristation 2−154
combinatorial switching
see also switching theory
No entries
comets
P/Halley mission, midcourse navigation and propellant estimation computing 2−22598
command and control systems
aircraft computer control system, West German development of CCV Starfighter 2−3552
communication cct. availability reporting system based on SYM-1 microcomputer 2−10753
communication network simulator 2−21426
digital single antenna tropo system, TACTROPO 2−10977
fibre optic communication link for missile payout appls. 2−2797
command and control systems continued
military electronics, Plessey developments, Si microelectronics impact 2−3555
optical fibre communications appl. 2−6830
optical transmission technology appl. to command, control and communications systems 2−2795
police, network size determination technique 2−16017
pre-launch missile data recording and display, solid-state data extraction unit 2−22198
road traffic automation, digital integrated telecommunication system decomposition 2−16191
strategic warfare development *(Finnish)* 2−15993
submarine blue-green laser/satellite communications systems, propagation, environmental problems 2−6774
tactical airborne communication system, developments in spread spectrum techniques 2−2703
commerce
see also marketing
atmospheric fluidised-bed combustion plant development, commercialisation strategies 2−27759
business project control, critical path program package 2−66
business satellite communication system simplification 2−21804
city centre high-load-density distribution systems evaluation 2−17713
district heating business opportunities for electric utilities 2−23775
electricity market in France, prospects 1980 to 1990 *(French)* 2−4600
European business communications satellite system, possible configuration 2−6811
European business service communications satellite systems 2−21802
Federal Germany's energy imports and balance of payments *(German)* 2−22809
first-generation fuel cell demonstration and commercialisation programme in USA 2−23416
integrated business communications, role of satellite communications 2−26486
interbusiness communication and TV, TELECOM 1 satellite system *(French)* 2−21799
interbusiness telecommunication satellite, integration and applications 2−21801
PHWRs, 900 to 1050 MWe range, Candu, for world markets 2−3862
sales organisation fuzzy team problem 2−19112
Sandar Electronic AS, example of a small successful business *(Norwegian)* 2−18918
security markets with continuous trading, theory 2−8563
small business market, telecommunication trends 2−6512
Swedish Datavision viewdata system proposals *(Swedish)* 2−21500
telematics problems for business and professional users *(French)* 2−21536
teletex internal office message system prospects 2−21470
teletext and viewdata advantages for business and domestic users *(Swedish)* 2−21501
tenders for electrical equipment, role of enquirer *(Italian)* 2−13215
travelling salesman multicriteria anal. 2−19111
videotex developments for home and business data delivery 2−16117
commissioning
see also installation
APT-P traction power electronic control, design and operation 2−13026
boiling water reactor radiation protection *(German)* 2−23009
decontamination during nuclear facilities decommissioning *(German)* 2−7619
HV switchgear quality assurance 2−12747
metalclad SF_6 switchgear for voltages of 300-1200 kV and fault currents up to 63 kA 2−7955
nuclear power plants decommissioning, legal problems and licensing procedure *(German)* 2−7617
power system stabiliser using speed and electrical power inputs, design and field experience 2−3686
power transformers, erection, commissioning and maintenance 2−27967
process control systems 2−8212
PWR and BWR plant decommissioning *(Dutch)* 2−27625
PWRs commissioning programme for Belgian electrical power generation industry *(German)* 2−27637
quality assurance in commissioning *(German)* 2−19030
steam power station commissioning and problems arising *(German)* 2−27688
communication channels
see also channel capacity
40 MHz bandlimited nonlinear QPSK satellite channel uplink noise effect simulation 2−6806
adaptive equalisation via fast quantised-state methods 2−10604
adaptive equaliser design for QAM system 2−2253
ALOHA satellite channels with finite buffer, performance 2−21396
authentication protocols for general communication channels 2−16199
band-limited nonlinear satellite channels with M-ary PSK, decoding with approx. channel statistics 2−10605
band-limited satellite channels, convolutional code and signal waveform design 2−2764
broadband preselector, analysis and optimization of characteristics of radio-receiving section 2−11193
coded 8PSK signaling performance for satellite communications, computer simulation 2−2288
computer network, multiaccess channel applic. *(Polish)* 2−2538
constant envelope signalling with reduced spectral sidelobes 2−2251
continuous-phase FSK performance in nonlinear satellite channels 2−6807
data, attenuation and group delay through correlation analysis *(German)* 2−10682
data transmission employing class 4 partial response coding and SSB modulation, effect of channel filtering 2−15812
data transmission network, channel control system, analysis 2−2402
DES encryption, AmZ8068, for data security 2−10651
digital broadcasting via satellite channel, design choices *(French)* 2−21917
digital land mobile radio channel, burst error charact. 2−10994
digital speech interpolation, design considerations 2−2318
DPCM speech channel, subsampling, to provide two half-rate channels 2−10763
dynamic programming algorithm for phase estimation and data decoding on random phase channels 2−15834
frequency selective Rician fading channel, 16-ary QASK and MSK perform. comparison 2−15804
indecomposable finite state channels and primitive approx. 2−21254
INTELSAT V and VI type TDMA/QPSK system, computer simulation 2−21809

communication channels continued
Intelsat V system, digital TDMA transmission system *(German)* 2−10731
microwave mobile communication system, transmission of digital data over Rayleigh fading channel 2−26438
multibeam communication channel, thermodynamic theory 2−2235
multiple-access channels, universal coding and decoding problems 2−10726
noise immunity of communication channel, effect of reference channel nonlinearity 2−15809
noiseless asynchronous multiple access OR channel, block code 2−10727
nonlinear, multilevel digital signals in nonlinear channels, error probability anal. 2−21261
nonlinear TDMA environment, pulse shaping techniques performance 2−2252
optical, direct detection, capacity, cutoff rate, and coding 2−16471
optimal coding in two-user white Gaussian channels with feedback 2−15833
optimum distribution of energy stores in communication systems with multiplexed signals 2−10613
optimum receiver design for randomly dispersive incoherent optical channel 2−6844
random access satellite channels, study of users' buffer variations 2−2741
Rician fading channels, convolutional code performance bounds 2−2286
satellite channel circuit and packet integrated switching method 2−2750
sequential signal processing system in channels with memory, decision feedback effects on noise immunity 2−10699
shared communication channel control, data-dependent access method, full/half duplex, polled protocols 2−2524
spread-spectrum multiple-access communication, slow-frequency-hopped, error probability bounds 2−6493
traffic anal. by one moment iterative method *(Croatian)* 2−21403
two-channel Costas loop tracking performance for UQPSK signals with arbitrary data formats 2−2230
two-dimensional Kalman filter, use in statistical quality control of channel, sensitivity anal. 2−2348
UHF urban radio channel, stochastic model 2−10993
voice and data, CIT-ALCATEL's echo suppressor and canceller systems 2−25971
weakly continuous channels, block coding 2−10606

communication networks
see also computer networks; radio networks; telegraph networks; telephone networks; television networks
addressing technique for logically superimposed network 2−16216
analogue-to-digital facility evolutionary planning using Outstate Facility Network Planning System comput-er-based tool 2−6530
architecture analysis for the Las Colinas association communications network 2−16018
AUTODIN integrated defence communication network, system architecture 2−2560
availability predictions based on meas. data 2−10752
Bell Canada progress towards integrated digital network 2−6517
Bell Telephone Co. Integrated Services Digital Network 2−2440
British Telecom's new network for London's business community 2−15990
British Telecom proposed integrated services digital network 2−6519
broadband expts. in Canada 2−2424
broadband optical fibre network in Canada 2−2423
broadcast routing in packet switching networks 2−21394
business, geographical interpretation using satellite communications 2−26486
carrier services, future developments 2−6507
circuit occupation probabilities of 2 stream network 2−15960
circuit-switched communication networks, theory of traffic engineering 2−6490
connection matrix approach for global reliability path enumeration 2−21422
control functions distribution on local integrated communications networks 2−10786
cost reduction requirements 2−16144
D-4 type channel bank, single-chip microcomputer appl. 2−6704
data communications, conference, Munich, Germany, 1-2 July, 1980 2−8157
data communications in an integrated services digital network, review 2−6533
data teleprocessing, fundamentals *(German)* 2−6584
data transfer protocol with blocking function, performance analysis 2−10742
delay related issues in integrated/ voice and data networks/ 2−2427
design by topological optimisation and performance simulation 2−2404
digital, integrated services development *(Croatian)* 2−2425
digital, local distribution facilities, economic aspects 2−6523
digital integrated local network control structure, using microprocessors *(French)* 2−21423
digital subscriber loops, German Bundespost transition to ISDN 2−6724
dimensioning for many hours of traffic demand 2−6528
distribution cable network characteristics for audio-visual services *(French)* 2−21969
echo control in telecommunication networks 2−25970
European carrier services, overview 2−6508
experimental systems with glass fibres *(Dutch)* 2−2420
facsimile network interface for incompatible terminals 2−2474
gateway and cluster controller architectures 2−21629
IBM SNA developments 2−6577
inland telecommunications network, evolution 2−15979
installation in Middle East countries, user problems in testing, interfaces, climatic conditions and training of staff 2−6511
integrated service business networks composed of voice, video and data, development 2−2431
integrated service digital communication networks, standardization, coding systems and terminal struct. *(German)* 2−2429
Integrated Services Digital Network, 80 kbit/s subscriber connection system over 2-wire line, TDM principle 2−6708
integrated services digital network, an introduction 2−6500
integrated services digital network, exchange for distributed control 2−6709
integrated services digital network, impact of non-voice services on network evolution 2−6501
integrated services digital network, planning 2−16013
integrated services digital network (ISDN), signalling and protocols 2−26189

communication networks continued
Integrated Services Digital Network concepts and accomplishments 2−6514
Integrated Services Digital Network manufacturers' progress reports 2−6516
Integrated Services Digital Network planning in Bell System 2−6515
Integrated Services Digital Network planning process in Bell System 2−6522
integrated services digital networks, customer access protocols 2−6502
integrated services digital networks, evolution of services 2−16011
integrated services digital networks, transport methods 2−6503
integrated switched networks, performance valuation of variable frame multiplexer 2−2644
integrated voice/data private network planning 2−2439
international, integration of domestic corporate systems 2−6510
international network expansion, UK developments 2−2421
international videotex networks, automatic language translation 2−21532
interoffice facilities network planning and design for Bell System special services 2−6532
interoffice facility network planning, digital transmission network, evolutional strategy 2−6727
interoffice lightwave facilities network planning for metropolitan area 2−6531
interoffice transmission facility network planning, overview 2−6529
ISDN implementation by United Telecom, USA 2−16012
isolated failures immunity 2−2400
Italian satellite communications service developments in 1980s 2−21803
junction networks, appls. of optical fibres 2−26512
local, multi-stage switching networks for packet switching design 2−10741
local and rural networks, appls. of optical fibres 2−26511
local network connection decisions 2−6581
local networks, two-stage transmission arrangement for cabling requirements 2−2650
local-area subnetworks, performance comparison 2−10751
loudpseaker public address system high impedance lines *(Spanish)* 2−16719
macrodescription in presence of transit flows 2−10748
management, optimisation techniques and real time considerations 2−16015
master-slave synchronisation, clock circuit systems for digital data network, development 2−2646
military, circuit availability reporting system based on SYM-1 microcomputer 2−10753
military, user data end to end security provision 2−10871
Minnesota Power Co., computerised branch exchanges in star network 2−6548
Modular Interactive Network Designer software 2−2405
multipacket message reassembly times 2−26168
multiple access protocols in packet networks 2−6627
multiple communication bus network using large scale transmission lines 2−10762
multiplexers, network efficiency considerations 2−16154
multiplexers for network expansion, CASE DCX exchange 2−16155
municipal, technical and administrative management 2−6509
network management systems 2−21598
optical fibre network design *(Italian)* 2−26196
optimally connected communication networks with maximum diameters 2−15966
packet error control method using majority-decision logic 2−10740
packet voice terminal hardware design 2−21679
packetized service integration network for dedicated voice/data subscribers 2−16004
Poisson transform, appl. to queueing analysis in computer communication networks 2−6458
police, network size determination technique 2−16017
police satellite communication system in Japan 2−16016
polling schemes for local communication networks 2−6524
private telecommunication networks, future development in Europe 2−2432
quantizing distortion, examination for communication networks *(Hungarian)* 2−16258
satellite integrated communications networks for voice, image, data, and text 2−11074
satellites, role in integrated services digital network evolution 2−6521
Saudi Arabian networks, emerging oppurtunities for business and industry 2−2435
SCAT, System Control Analysis and Training tool for communications networks 2−18910
security, modular cipher device Telekrypt-Mini 2−15996
SILK integrated communication system, news service for broadcasting appl. 2−6720
SILK integrated local communication system, experimenal optical network 2−6719
SILK integrated local communication system, mechanical design 2−6718
SILK integrated local communications systems, connections, terminals 2−6717
SILK local integrated communications system, survey 2−6504
SILK local integrated communications system, transport plane 2−6716
simulator for military command, control networks 2−21426
speech transmission using packet switched network 2−21462
submarine cable network development in Arabian Gulf 2−2658
subscriber main station demands rel. to growth, economic models *(German)* 2−21419
supplier details 2−16156
Swedish integrated services digital network evolution and architecture 2−6518
switchinfo, information switching and impact on switching networks *(Spanish)* 2−21425
switching networks, n-fold parallel path searching 2−6477
TELECOM 1 satellite system integration into ISDN *(French)* 2−21800
telecom/computer interface guidelines 2−21597
telematics technology research and developments in Italy *(Italian)* 2−26192
telephone and facsimile terminal introduction into existing data communication networks 2−6639
telephone network for telematics development *(Italian)* 2−10864
token access protocol for broadcasting media 2−21410
traffic anal. by one moment iterative method *(Croatian)* 2−21403
transition from analog to integral digital networks 2−15997
transmultiplexer exploitation and advantages 2−6677

communication networks continued
UK telecommunications monopoly relaxation implications for network planning 2—21416
urban digital communication networks, optimal network planning 2—2434
value added networks in higher educational computing 2—16163
X.25 protocol, advantages and limitations 2—26264
X.25 transport network, PAXNET structure 2—21628
Yemen Arab Republic, telecommunications network construction 2—6499

communication overhead lines
see also telecommunication cables
aerial cable sheathing, reinforced self-supporting cable development 2—2656
EMI caused by 110 kV overhead power lines *(Rumanian)* 2—3766

communication overhead transmission lines *see communication overhead lines*

communication systems *see telecommunication systems*

communication theory *see information theory*

communication transmission lines
see also telephone lines
application of resonant circuit theory to matching networks 2—26379
data transmission lines, critical length and freq. calc. *(Czech)* 2—21165
distribution lines, harmonic distortion factor, calc. and anal. 2—16654
helical coaxial cables having ferrite magnetic core for MW-band communication *(Japanese)* 2—14327
lightning surge characts. induced in telecommunication lines *(Japanese)* 2—16324
multi wire parametric model for pair balance simulation 2—10535
NEC transmission equipment installation, dispersive direct connection of station cables in bay frame 2—2653
subscriber loop cables new insulation technologies 2—26185
twisted pair, noise induced by nonuniform EM field of nearby loop 2—26378

communications applications of computing *see communications computing*

communications applications of control
see also communications computer control; radio; telegraphy; telephony
adaptive, description and algorithms for control 2—14200
antenna driving systems, state controllers and observers 2—16537
ATC, mobile radio communication control scheme, voice-data co-channel operation *(Japanese)* 2—2695
large telephone network, models and control structure 2—16068
large telephone network decentralised control scheme 2—16069
mixed-media networks, interaction between routeing and multiple access 2—16450
multiple-channel quadrupole parameter control systems *(Russian)* 2—11217
packet switched computer networks, optimal flow control 2—15964
radar detection, double threshold, adaptive false alarm regulation 2—6848
regenerative satellite communications, transmit power control system 2—26188
SCAT, System Control Analysis and Training tool for communications networks 2—18910
sonar feedback AGC systems, bandwidth invariant 2—26547
space based laser communications, tracking and fine pointing control 2—16455
TN 2700 carrier telephony system, linear highway struct., remote supply and control, fault location *(Polish)* 2—16040
TN 2700 carrier telephony system, unattended repeater stations, automatic level control ccts. *(Polish)* 2—16314
transmitter *(Japanese)* 2—21929

communications computer control
see also communications computing; electronic switching systems
16 bit micrprocessor appls. in telephone switching systems 2—26335
Aurora cellular mobile telephone system 2—21745
Austrian radio network *(German)* 2—16358
autodialler using Elf microcomputer 2—16245
car-radio receivers, automatic tuning system, microcomputer control *(Japanese)* 2—11186
CCITT man/machine language *(Norwegian)* 2—26181
computer controlled taxi data communications 2—26433
CONTACT RL400, radio relay equipment for military use 2—26402
CW hyperbolic position fixing system, automatic microprocessor-based receiver 2—16530
D-4 type channel bank, single-chip microcomputer appl. 2—6704
data, computer aided communication concepts *(German)* 2—26269
Dataphone II, Bell System's software-controlled microprocessor based system 2—26295
Dataphone II, diagnostic console, description 2—26296
digital data transmission system 2—26300
digital integrated local network control structure, using microprocessors *(French)* 2—21423
digitally operating, with distributed microprocessor control *(German)* 2—2640
Dmitri, multicomputer front-end switcher 2—10895
electronic telephone and accessories 2—16232
facsimile system, image processing, microprocessor control of scanning/compressing by specification of scan/print lines 2—21482
flow chart for algorithm of pulse information-meas. system 2—2236
frequency synthesis tuning system for colour TV, microcomputer controlled 2—2896
full-duplex fibre-optic communication link with microprocessor control 2—21828
GALAAD, software management system *(French)* 2—15975
GTD-5 EAX software development environment 2—26345
image transmission system for TV signals, low-speed, experimental system 2—26297
ITT 1210 Class 5 digital switching system, control and supervision of remote like units 2—10921
local call simulator, under microprocessor control *(French)* 2—16248
maintenance, control and protection of remote electronics, overview 2—10919
MFT2 HF fast tuning linear amplifiers, characts. and microprocessor control 2—19551
microprocessor control system for recording and trnsmission of television programmes with the aid of equipments with dynamic carrier 2—11143
microprocessor-controlled attenuator for audio signals *(Italian)* 2—9137
military telephone network multiplexers, using microprocessor control *(German)* 2—16282
mining, trapped-miner location system based on ELF link with computer control, mag. dipole excitation system 2—16456

communications computer control continued
multiple access protocol with request channel TDMA and slotted ALOHA time slots 2—16173
network management, optimisation techniques and real time considerations 2—16015
NTT D100B ESS software system, commercial test results 2—26346
NTT new 104 key telephone system 2—26347
operations planning impact on system appl. and design 2—2461
packet radio networks, distributed control 2—21765
police computerised PBX 2—2599
Prestel interface to Commodore PET 2—6568
PROCESS-2000 operating system *(Hungarian)* 2—21590
programmable communications controllers 2—6580
radio broadcasting, sound mixing, microprocessor-controlled systems, overview 2—16564
radio receiver, Revox B780, microcomputer control *(German)* 2—11183
radio studio automation systems, overview 2—16565
radio transmitter remote supervisory and control system *(Japanese)* 2—21930
radio transmitter supervisory equipment for transmission characteristics *(Japanese)* 2—21931
satellite Earth station automatic control and monitoring by microprocessors *(Italian)* 2—16433
satellite relay systems, TDMA-40 equipment, automatic control system and stand-by facilities 2—16430
satellite TDMA, decentralised-control dynamic bandwidth allocation 2—2739
shipboard communication systems automatic control equipment 2—26443
SIRENA automatic re-routing system for quaternary group connections in Italian telephone network *(Italian)* 2—16029
SPC telephone exchanges, CHILL programming language, development history 2—21695
SPC telephone exchanges, operational systems 2—10927
ST-6000 tuner, microprocessor control for broadcast freq. selection and stat ion name/freq. display *(German)* 2—2984
Stornophone 900, microcomputer controlled radiotelephone *(Danish)* 2—21750
Swedish Datavision viewdata system proposals *(Swedish)* 2—21500
tactical surveillance system, very wise freq. range receiver using microprocessor control 2—16347
TDM using System Interfacing Multiplexer Oriented Extender (SIMPLE) language *(Japanese)* 2—26322
TDRSS, system performance 2—11041
TDX distributed network management system 2—21455
telemetering, multi-stage commutation systems controlled by microcomputers, FORTRAN, simulation *(German)* 2—26246
telephone automated dialler for Heath H8 microcomputer, Tele-Pulse 2—16246
telephone system, listening computer application 2—16058
teletext decoder, dual standard, microprocessor-based design 2—16131
time-multiplexed electronic branch exchange systems, integrating telephone and data traffic *(German)* 2—16288
Toshiba's PK-60 ENG/EFP colour camera having digital and analogue circuits 2—2929
TP 3100A/B digital-line-interface controller for voice and data switching 2—2611
TV, Quantel digital Production Effects equipment for high-speed video signal processing 2—6920
TV system control/measurement development based on Olympic TV-radio complex *(Russian)* 2—2934
two-way radio systems, paging encoder, microprocessor system 2—16383
unattended transmitting station control from Milan RAI Centre *(Italian)* 2—16574

communications computing
see also communications computer control
ALGEBRA—an interactive system for finite field arithmetic 2—21273
answering service, computer-controlled 2—21673
antenna radiation patterns, synthesis technique using iterative matrix technique 2—26031
automatic extension of an ATN knowledge base/ 2—2258
automatic long-distance telephone exchanges, operational anal. on computer 2—16287
automatic speaker recognition, measuring of contours of intensity and fundamental period of speech *(German)* 2—6416
automatic wake-up serving as hotel emergency communication system 2—16048
Bang & Olufsen hi fi equipment, using microcomputer control *(Danish)* 2—21999
BASIC program for determ. of noise addition products *(German)* 2—21932
broadband switching network with 28 OMbits/s *(German)* 2—10732
broadcasting technology for 1980s 2—26593
case study in data network optimisation 2—21660
CCITT specification and description language *(Norwegian)* 2—26180
central expert support for maintenance and installation 2—16277
CHILL software development system for SPC telephone exchanges 2—26334
colour TV signals, time-frequency multiplexing simulation results 2—11149
communciation network availability predictions based on meas. data 2—10752
communications-computing synthesis as extension of human perception and reasoning 2—21607
continuous tone-coded squelch system implemented in an eight-bit microcomputer 2—6462
control functions distribution on local integrated communications networks 2—10786
crosstalk simulation in satellite video transmission 2—6349
data teleprocessing processor software set 2—21657
digital radio, performance monitoring 2—6755
digital recording on magnetic tape, mathematical model and digital simulation *(Polish)* 2—1574
digital switching introduction into local telephone exchange networks 2—10923
digital telephone networks, microprocessor applns., ITT 1290 Operations and Maintenance Centre 2—2451
DIKOS digital communication system *(German)* 2—10778
DIPS 104-02 operating system, software quality control techniques *(Japanese)* 2—6590
DIPS 104-02 operating system development *(Japanese)* 2—6585

communications computing continued
DIPS 104-02 operating system executive program *(Japanese)* 2—6586
DIPS 163-10 time-sharing package, data communication appl. *(Japanese)* 2—6587
directory enquiry system, computerised, British Telecom field trial 2—16059
EMC conf. Bolkesjo, Norway, 1981, Aug. 2—18876
error proofness of communication systems, simulation *(Russian)* 2—21253
ESS software development, SL1 specification language 2—2632
EWSD digital telephone switching system, software structure 2—16292
EWSD telephone switching system, programmed aids 2—10933
FFT base 4 with const. structure, algorithms 2—2350
front end processor for incompatible facsimile terminals 2—2474
front-end processors and multiplexers, role in communication networks 2—21690
GEOSAT geosynchronous satellite position program in BASIC 2—21766
Gray code to binary code conversion program *(German)* 2—2259
half-duplex FSK data modem using Intel 8748 single-chip microcomputer 2—6659
Harris TC-85 colour auto camera, views of cameraman, engineer and programme director 2—26626
HF channel simulator, serial and parallel modem comparison 2—2586
hybrid companding delta modulation digital coding system, digital simulation of performance, speech coding appl. 2—2266
interactive communications systems simulation model 2—6526
interrelation of microelectronics and telecommunication systems *(Italian)* 2—16273
intrasystem EMC anal. program, nonlinear effects models 2—21149
intrasystem EMC anal. program, port spectra and nonaverage power receptor 2—21148
isochronous data transmission systems, INGOT2 software for use in interactive/graphical anal. 2—2436
Italian telephone company DP status and prospects *(Italian)* 2—16185
ITT 1210 Class 5 digital switching system, control and supervision of remote like units 2—10921
ITT 1240 Digital Exchange: software concepts and implementation 2—26361
Jaguar V frequency hopping radio, battlefield model 2—16399
K 1510 microcomputers in remote data processing, appls. *(German)* 2—16816
Kalman filters, digitally implemented performance degradation analysis 2—6427
KONTES project for subscriber-oriented computerised administration *(German)* 2—6542
LAPD ECCCS systems 2—2437
local-area subnetworks, performance comparison 2—10751
Lynch B610 ALERT test system for pair gain systems 2—7021
machine intelligence and communications in future NASA missions 2—26490
maintenance, control and protection of telephone exchanges, overview 2—10919
MELFANET computerised facsimile network system, Mitsubishi Electric product 2—21488
mobile radio system, rearrangement algorithm 2—11009
Morse decoding program, Z80 machine code appl. *(Italian)* 2—21270
multi-microcomputer based distributed front end communications subsystem for power control centre 2—22837
multiprocessor based packet switch, queueing model 2—6480
network analogue-to-digital facility evolutionary planning using Outstate Facility Network Planning Sys- tem computer-based tool 2—6530
network dimensioning for many hours of traffic demand 2—6528
Norwegian telephone area, reliability analysis *(Norwegian)* 2—26224
optical fibres and cables, computer system applications 2—16483
Polish Telegraph network, computer switching system *(Polish)* 2—10800
power flux density in the near field of TV transmitting antennas *(Croatian)* 2—16605
private business network design, Bell BSIXS software system 2—21456
procedure free transmission emulation *(German)* 2—10861
propagation meas. in the Gulf by microcomputer-controlled automatic stations 2—6898
radio link analysis, by means of minicomputer *(Slovenian)* 2—10958
radio links, over-sea, line-of-sight, optimum diversity separation for min. fading 2—10981
radio signal spectral analysis, using acousto-optical correlator with time integration *(Russian)* 2—11402
radio spectrum usage, analysis using software tools 2—21899
radionavigation using QTH locators and computing facilities 2—6868
referal computer introduced in larger subscriber exchanges during 1981 *(Swedish)* 2—10905
RTTY bulletin board or message drop program for TRS-80 personal computer 2—26262
satellite Earth station microwave antennas, measurement and optimisation using microcomputers 2—15790
satellite Earth stations, Sun outage time calcs., hand-held calculator program 2—16428
satellite link rain attenuation in range 10-100 GHz, Microsoft BASIC program Apple II-Plus computer 2—16416
security of telecommunication networks application in the area of Ile-de-France 2—21437
SIEMENS SYSTEM EDS text and data switching system, development of software 2—10936
SIEMENS SYSTEM EDS text and data switching system, on-line maintenance by exchange site program 2—10938
SIEMENS SYSTEM EDS text and data switching system, software maintenance 2—10937
SIEMENS SYSTEM EDS text and data switching system 2—10935
skew estimator method for alignment of troposcatter antennas and synchronization of master clocks 2—11368
spaceborne fault-tolerant communications processor 2—22644
SPC systems, method of evaluating interface 2—10928
speech compression system for adaptive differential PCM with time assignment interpolation, bit-slice microprocessor appl. 2—2267
spread spectrum communications systems, COMSIM 1 digital computer simulator, design and struct. 2—2673
star-star concentrator problem, complexity 2—10855
Stockholm telecommunications area, test centre for hire data links *(Swedish)* 2—21430
stored-program telephone switching office automatic programming system 2—6698
SUPER 10, program-controlled subscriber identification in direct-dialing telephone systems 2—10934

communications computing continued
Swedish national network, analysis and planning for modernisation *(Swedish)* 2—21458
tactical systems, simulation model 2—6525
telephone company operation, universal data base 2—16227
telephone exchange fault registers, computer aided anal. *(German)* 2—16257
telephone exchange reliability optimisation, using computer program 2—26325
telephone network development in Budapest, planning appls. *(Hungarian)* 2—10777
telephone traffic, computerised route planning 2—26184
telephone urban traffic, software system appl. *(Italian)* 2—16061
telephony, International Service Position System for manual handling of overseas calls, information storage in computer memory 2—16306
telephony, two-wire digital transmission in the loop plant, simulation 2—16027
Teletraffic Optimizer Program, voice optimization technique 2—2407
telex terminal, S100 Message Handling Terminal with text processing facility 2—10802
TIMOS morse training system, T100 teleprinter, microprocessor appl. 2—10798
transform theory of propagation, diffraction in deterministic environments, computer solutions 2—25936
transmission code power spectra calc. programs 2—2273
trellis decoding of convolutional codes, implementation of microprocessors 2—26086
TV broadcasting, computerised image processing techniques 2—16566
TV broadcasting, Intellect software development tool from Quantel, appls. 2—16567
universal noiseless coding, software package and algorithms 2—21302
urban digital communication networks, optimal network planning 2—2434
vertex cutsets of graph algorithm 2—26162
VHF and UHF field strength computerised prediction system for grid-coordinated terrain information *(Japanese)* 2—6326
Videotex Information Provider System for Telidon coding 2—26258
vision mixing, a new generation in post production mixing 2—16626
Viterbi detector, microprocessor based implementation and testing 2—10627
VLF signals propagation simulator, above and below sea level 2—21110
voiceband data signal encoding by delta modulation systems, computer simulation, comparison of methods 2—2551

community antenna television
8 channel CATV transmission system by U-MV-U method *(Japanese)* 2—6895
bidirectional amplifier for trunk line 2—2940
central receiving antenna systems for TV/radio community distribution networks *(German)* 2—2203
deivery systems for videotex services 2—21542
fibre optic communications, compatibility with Bell System digital hierarchy 2—11100
hardware system in highly-interactive optical visual information systems 2—2939
high-quality transmission on optical trunk and subscriber lines in Denmark 2—6935
highly-interactive optical visual information system (Hi-OVIS) 2—6932
information retrieval system on CATV 2—21661
Japan's CATV facilities, broadcasting medium 2—2938
large-scale indoor CATV system, high-power distributed amplifier 2—2941
master station for large community and cable TV installations *(German)* 2—6934
METRONET, overview of CATV regional data network 2—21662
reception centre cost anal., TV transposer powered by solar and wind generators 2—21950

community planning *see town and country planning*

commutation
see also commutators
alternating-voltage continuous amplitude control, inductive switching circuit, anal. of power conversion processes 2—23373
arcs burning duration obs., contact surface shape influence *(Bulgarian)* 2—1499
autopiloted current source invertor fed, synchronous motor performance anal. 2—18195
bridge instrument, computation method *(Polish)* 2—17046
classification of commutation methods 2—18365
commutation control during speed reversal of a current-fed asynchronous machine 2—23293
commutation with 6- and 12-pulsed convertor-fed synchronous motors *(German)* 2—4051
complementary current impulse commutated invertor, anal. and optimisation 2—18361
contactless, of industrial line voltage, using logic-signal-controlled power switches 2—5099
current source invertor driven synchronous motor performance anal. 2—18202
digital simulation of synchronous generator feeding dynamic DC load 2—18203
electronic-motor convertor aggregates operation computer simulation *(French)* 2—27901
frequency convertor PWM voltage harmonic composition *(Russian)* 2—23363
heavy current capacitors in power electronics, requirements and use *(German)* 2—18325
improvement of power performance of multirange rectifiers with artificial commutation *(Russian)* 2—23360
induction drives, phase-commutated convertors for slip-power control 2—18653
influence of parameters of RC networks on commutation processes in thyristor equipment 2—18341
invertor, self-commutating, lead angle control range *(Russian)* 2—12716
invertor driven AC and DC motor, performance anal. 2—18149
invertor fed synchronous motor, performance anal. 2—18205
invertor fed synchronous motor, performance anal. 2—18206
invertor fed synchronous motor performance anal. 2—18207
invertors, optimal control of commutation pulses, nonlinear optimisation technique 2—18352
microcomputer-based commutation failure-free control system for the cascaded rectifier circuit 2—18333

commutation continued
microprocessor-based convertor fed self-control synchronous motor starting scheme 2−18196
miniature motors, effect of commutation currents on magnetic state of internal annular magnet 2−4249
novel six-step/ and twelve-step/ current-source inverters/ with DC side commutation/ and energy rebound/ 2−4286
open winding microprocessor-based invertor fed, synchronous motor, performance anal. 2−18209
performance of the direct current linear motor with electronic commutation 2−12667
permanent magnet DC motors with controllable electronic commutators, steady-state behaviour anal. 2−18270
rectifier motor, single channel control system for invertor 2−18340
rectifier-loaded synchronous machine with damper winding model 2−18198
regenerative voltage source inverter for dynamometer applications 2−18353
regulated DC-DC voltage source convertor using high freq. link 2−18367
self-controlled synchronous motor speed control system, dynamic performance anal. 2−12632
self-controlled synchronous motor without shaft positions sensor, starting operation 2−12634
starpoint commutated current fed induction motor, Park vector methods 2−4176
superconducting pulsed solenoid commutated by elec. explosion method 2−9951
synchronous generator multiple thyristor convertor loads transient behaviour anal. 2−7818
synchronous motor, semiconductor automatic excitation regulator, guidance on hermetic contacts *(Russian)* 2−7827
thyristor fed DC motor, performance anal. 2−4228
thyristor fed multiphase commutatorless DC machine, performance anal. 2−4226
thyristor rectifier, subharmonic composition *(Russian)* 2−23374
thyristor transistor PWM invertor 2−18360
variable reluctance motors with a disc rotor with electronic commutation 2−4073
voltage stresses on induction motors powered from DC intermediate circuit frequency converters *(German)* 2−23285

commutator motors
DC, influence of RFI on machine performance, obs. 2−4217
RFII from household appliances, suppression, ccts. 2−7813

commutators
see also commutation; commutator motors
brush arcing in DC motors and generators, causes and prevention *(German)* 2−27937
contactless motor with transistorised commutator, math. model 2−4034
DC machines, influence of the brush-collector electric contact upon the commutation of an inductive circuit *(Rumanian)* 2−27933
DC motors, commutators, moulded plastic, testing problems in repair process 2−23311
DC voltage, analogue, using FETs static error analysis 2−14254
dynamic stability of a sliding contact between pliant brushes and a smooth commutator, analysis *(Russian)* 2−27938
glass band protective coating, for DC machines 2−23314
high-power electron beam commutator, using centrifugal electrostatic beam-shaping, design 2−2092
overspeed test stand 2−23239
ring sparking on the commutators of traction motors *(Russian)* 2−27936
thyristor commutation unit, mathematical model *(Bulgarian)* 2−9635
CO_2 photoionisation laser with high pulse repetition freq. 2−25674

compandor transmission *see compandors*

compandors
see also interference suppression; pulse code modulation; radiotelephony; telephone interference
AM 6070 device, A/D compandor convertor *(French)* 2−894
analog compandor, IC, telephone trunk carrier systems appl. *(Japanese)* 2−6730
audio recording, Dolby-C noise reduction system, sliding-band compandor, 20 dB reduction *(German)* 2−11291
D/A and A/D convertors, design and appls. 2−5328
noise suppression problems in cassette tape recorders *(German)* 2−22006
satellite communications, broadcast-quality amplitude compandor 2−16415
SSB mobile radio systems, subjective performance of amplitude companding 2−10991
syllabic compandor for 800 MHz land mobile and telephone system *(Japanese)* 2−6772
two channel picture coding system, adaptive companding and colour coding 2−15946

comparators (circuits)
see also phase comparators
560 Mbit/s regeneration comparator, for the SPCT560 transmission systems *(French)* 2−16321
analog, op. amp. cct. with variable hysteresis between trip points 2−14258
analogue information processing, module units *(German)* 2−5131
analogue timer as digital comparator with hysteresis 2−14193
audio signal frequency and phase comparator, circuit details 2−26666
battery charger using μA710 comparator 2−7913
bubble comparator for associative search 2−9873
contemporary display on an oscilloscope with reading and reference scale *(Italian)* 2−5309
current comparator capacitance bridge, for reactor loss meas. 2−11537
current comparator capacitance bridge modification 2−11535
current comparator inductance bridge modification 2−11536
dual differential comparator, increasing TTL square wave output 2−9069
encoder circuit with programmable priority, using logic comparator timer *(Italian)* 2−21275
high speed comparator, for use in opticalal fibre link receivers 2−16488
loudspeaker delayed action power amplifier switch, using 741C IC comparator and relay 2−2989
machining load current monitoring *(Russian)* 2−26930
magnetic bubble string comparator, number representation convertor 2−14273
mains failure rapid detection unit 2−7582
MC3424, dual voltage comparator chip for overvoltage protection and line loss detection 2−19536
Mitel's touch tone decoder chip set, using MT8860/5 ICs 2−26303
NMOS comparator, for bubble memories 2−20531

comparators (circuits) continued
photographic flash sequences, using comparator 2−4453
restart circuit for microprocessors using LM339 quad comparator 2−9164
signal comparators with low hysteresis, stabilisation schemes *(Rumanian)* 2−24621
single-ended A/D conversion without successive-approximation logic 2−14182
speech amplifier gain monitoring cct., using quad comparator IC 2−26660
stand-alone TTL performance test circuit 2−9071
touch operated switching cct., using logic, comparator, flip-flop ICs *(Spanish)* 2−24630
voltage comparator IC testing, using digital computer-controlled test system 2−5798
voltage convertor, thermal, with BNC input connector 2−11571

compensation
see also error compensation
6 kV mains supply, compensation of capacitive short cct. currents, reactor design *(Russian)* 2−3785
6 MVA thyristor static compensator for the CERN intermediate booster accelerator *(French)* 2−7909
735 kV shunt-compensated system stability with static compensators 2−17696
AC systems, stability, effect of static compensators *(French)* 2−23256
active phase compensation, of three-port voltage controlled voltage source structure 2−691
application of compensating devices in power supply systems having large nonlinear loads *(Russian)* 2−3669
arc and resistance welding, method for the smooth regulation of power sources including longitudinal-capacitive compensation 2−28273
automation techniques appl., compensation methods for wattless measurement of signals *(German)* 2−14030
capacitance bridge for reactor loss meas., current-comparator based, frequency compensated 2−11537
common mode meas. compensation between equipments under test and measuring apparatus, review *(German)* 2−11330
condition for torque compensation of a superconducting excitation winding in high-power slow-running motors *(Russian)* 2−27892
contact condenser vacuum deterioration and compensation *(Russian)* 2−23093
control of shunt compensation with reference to new design concepts 2−12289
crystal growth, microprocessor-controlled system, design and implentation 2−13811
document scanning using CCD arrays, dark current level compensation, automatic calibration using microprocessor 2−22156
electronic reactive power compensator 2−27416
feasibly decentralized dynamic compensators in power generation 2−7513
frequency compensation network, using active filters 2−19787
heavy current capacitors in power electronics, requirements and use *(German)* 2−18325
HVAC long distance power transmission with reversible static compensators 2−12231
improvement in the transient response/ of a hydrosystem/ by compensation/ and stabilising signals 2−3957
LED output regulation using compensation cct. based on opto-coupler 2−10176
load var fluctuation predictive compensation based on linear prediction filter theory 2−7491
mathematical model and method of reactive power optimisation in an electricity network *(French)* 2−22797
microwave dielectric resonators: past, present, and future 2−9216
microwave digital radio system, automatic transversal equaliser 2−21743
multichannel radiotelephony, two-channel interference compensator for FM signals, synthesis, anal. 2−16375
operational-amplifier inverting amplifier, active compensation using negative impedance convertor 2−19554
phase angle calibration standard, NBS, with auto-zero feedback compensation 2−11324
power feedback systems, compensation using controlled rectification *(Spanish)* 2−19546
power plant control, adaptive nonlinear compensators 2−3937
power system reactive power control systems, problems, modelling and simulation techniques 2−27398
problems and concepts of static compensator control 2−12290
quartz generator temp. dependence compensation *(Bulgarian)* 2−1525
radioisotopic instruments, servo-compensation method *(Chinese)* 2−22513
RC oscillators, thermal compensation of frequency instability 2−14006
reactive compensation and the electric arc furnace 2−13079
reactive load compensation of complex electric network, time factor allowance *(Russian)* 2−17632
reactive power, energy conservation aspects *(Polish)* 2−7502
reactive power compensation for energy savings, compensating capacitors charcts; construction and manufacture review *(German)* 2−3673
reactive power static compensation, energy saving in distribution networks *(Spanish)* 2−22911
role of static compensation meeting AC system control requirements with particular to the James Bay system 2−12291
satellite link at Ka-band, adaptive rain fade compensation 2−11028
SAW IDT filters design, errors due to diffraction compensation 2−5880
scene-based nonuniformity compensation for imaging sensors 2−27304
shunt reactors with distributed air-gaps, influence of dimensional parameters on design, application in power syste-m compensation *(Spanish)* 2−7897
solid-state switch resistance compensation for current-to-voltage convertor 2−14272
static compensator use to control voltage level and balance on ESCOM system 2−4321
static compensators for transmission systems 2−12230
systems supplying large nonlinear loads, reactive power compensation, soln. 2−3678
tachometric bridge dynamic correction in automatic compensators for constant voltage *(Bulgarian)* 2−26895
telephone exchange lines, 4-wire circuits, digital signal transmission techniques, problems *(German)* 2−6648
temperature, 32 kHz quartz wristwatch 2−25396
temperature, aerodynamic pressure meas., using temp. stabilised Wheatstone bridge circuit 2−11991
temperature-compensating pH meter 2−11502
thick film 2−22229

compensation continued
thyristor-controlled shunt compensation in power network 2−27993
timing signal propagates without phase shift 2−5317
voltampere reactive compensation using chance-constrained programming 2−22846
zero-load meas. of signals, methods for automation *(German)* 2−867
compilers (program) *see program compilers*
compiling programs *see program compilers*
complementary metal-oxide-semiconductor integrated circuits *see field effect integrated circuits*
complete computer programs
see also subroutines
active filter design, Butterworth low pass, high pass, band pass , band stop 2−24595
algorithm for '8275 programmable CRT controller' timing parameters in BASIC 2−26779
alphanumeric displays and control by microprocessor *(French)* 2−22152
BASIC program for determ. of noise addition products *(German)* 2−21932
bipolar circuit structures spatial one- and two-dimensional anal. using ZANBIT computer program on ESER 1040 computer *(German)* 2−25338
concrete structures, differential creep stress analysis in BASIC 2−13654
counter tests, board level computer application 2−11379
cross hatcher 2−16583
EPROM programmer for CAMAC channels interfacing, FORTRAN program *(Italian)* 2−19661
FFT and IFT implementation on personal computers, BASIC programs, circuit design appls. 2−13912
FFT program, in Basic 2−545
fleet maintenance, (S-1, S) spare-part inventory policy 2−18954
function generation machine code programs using 8 bit D/A convertor and 8080 *(German)* 2−19703
general-purpose circuit analysis program for minicomputer-GCAPN *(Chinese)* 2−24358
GEOSAT geosynchronous satellite position program in BASIC 2−21766
I^2L transistor circuits ILSIM simulation and test program *(German)* 2−24497
improper integral computation, FORTRAN program 2−8719
light intensity control, using COP420 microcomputer to vary triac conduction angle, program *(French)* 2−18751
MADSSIM program, used for minicomputer complex digital cct. simulation *(Danish)* 2−19501
microwave measurement accuracy, using computer-supported analytical approx. method *(German)* 2−17112
Morse decoding program, Z80 machine code appl. *(Italian)* 2−21270
Motorola 6860 based design and test program is machine code *(French)* 2−21675
orbital image sensor geometry simulation, in FORTRAN 2−12063
OSI microcomputer BASIC for network anal. *(German)* 2−651
personal computer-low cost plotter electrical circuit drawing system *(Japanese)* 2−24359
power system overcurrent protective device coordination by computer 2−17777
process quality control, simultaneous pairwise comparison tests among treatment means 2−119
radio link analysis, by means of minicomputer *(Slovenian)* 2−10958
RESIN, desk-top computer program for finding cut-sets in networks 2−22877
SCANAL, for anal. of switched capacitor networks 2−13930
stepping motor control, four-phase, using 8080 microprocessor *(Italian)* 2−7878
storage oscilloscope simulation in BASIC 2−17003
TI 58/59 for telephone call charges calc. *(German)* 2−2442
TI-59 calculator program to calculate circuit's time response 2−13911
two sample Kolmogorov-Smirnov test, computer programme 2−8285
Welch's v statistic, program for HP 29/19C 2−4782
compliance constants *see elastic constants*
composite insulating materials
epoxy impregnant for fast rise-time HV pulse transformer using solid dielec. materials, design and development 2−5389
ethylene-vinylacetate copolymer, C loaded, resist. and positive temp. coeff. of resist., correl. with C black parameters 2−25391
fabric insulating tapes for higher temp. ranges 2−5034
Glastic SG-200 fibreglass mat reinforced polyester laminate for high-temp. transformer insulation appls. 2−18308
hermetic motor magnetic wires, characts. 2−27861
high-temperature insulation, fibre-reinforced resin system, transformer and machine insulation appls. 2−18153
HV, micaceous, electrical ageing governing factors and their variations 2−25392
liquid impregnated laminate dielec. structures, partial discharge characts. at buried foil edge 2−8022
mica flake integrated sheet/epoxy laminates, mech. and elec. props. 2−13860
polyethylene, supercritical He impregnated, partial discharges 2−27524
quartz filled bisphenol epoxy HV DC insulation, effects of quartz fillers 2−5867
rotating electrical machine HV windings synthetic-resin insulation *(German)* 2−27912
SPAULDITE X-982 thermosetting laminate for transformer insulation, epoxy resin reinforced with wood kraft paper 2−18309
synthetic insulation disruptive strength dependence on electrical pre-stress *(German)* 2−20436
thermal endurance data for solid insulating materials 2−25382
SF_6 gas impregnated polymer film transformer insulation, partial discharge inception and extinction studies 2−7908
Si-rubber elastomers, characts. and applications *(German)* 2−25385
composite materials
see also cermets; composite insulating materials; composite superconductors; concrete; fibre reinforced composites; fibres; filled polymers; laminates
flywheel energy storage system, creep characts. determ. 2−12956
laminated shell structures, finite element analysis 2−13738
metal based composite technology, joining processes and appls. 2−19459
military aircraft EM design, lightning, EMP protection appl. 2−27250
polymer coatings, plasma deposited, colored, metal codeposition technique 2−25474
polymer-ceramic composites for hydrophones, fabrication and interphase connectivity 2−19457
composite materials continued
polymer-ferroelectric composites, pyroelec. props. 2−1507
shielding effectiveness of filled composites and coated plastics 2−21155
sonar transducers, new materials and types of device 2−26552
TGS powder-silicone rubber composite, ferroelectricity 2−20451
two-layered composite rod, low frequency propag. of zeroth torsional mode 2−637
US methods for characterising response 2−8880
US vel. meas., continuous wave transmission technique 2−22752
Be-Al composite diaphragm for dome-type loudspeaker, vacuum deposition production method *(Japanese)* 2−16745
Cu-Fe multifilamentary composites, in situ formed, mag. hysteresis loops 2−5901
Mo-Al_2O_3 composite film, surface roughness, photothermal absorber appls. 2−28132
$Pb_3MgNb_2O_9$-$PbTiO_3$ temperature compensated composite resonator 2−5871
Pb(Zr,Ti)O_3-polymer composites, pyroelec. props. 2−1506
Pb(Zr,Ti)O_3-polymer composite, high freq. appl. 2−22755
composite superconductors
braided superconductor, microslip induced degradation 2−9943
calculating the characteristics of composite superconducting materials with high contact resistances 2−25444
cryoturbogenerator windings, cooled by thermosiphon method, optimum parameter choice 2−18160
filamentary A15 superconductors, conf., Upton, NY, USA (May 1980) 2−4577
filamentary A15 superconductors, developments in Japan, review 2−5918
filamentary A15 superconductors, developments in the UK, review 2−5920
hot powder metallurgical prep. 2−5929
matrix jumplike deformation during low temp. creep 2−9892
multifilamentary, crit. current strain depend., use of MAXIMSUPER computer program 2−9907
multifilamentary, hysteresis losses in superimposed DC and AC mag. fields 2−9884
multifilamentary A15 superconductors, development at Airco (USA) 2−9889
multifilamentary A15 superconductors, developments at IGC (USA), review 2−5921
multifilamentary A15 superconductors, developments in Germany, review 2−5919
multifilamentary A15 superconductors, prep. by infiltration process 2−5931
multifilamentary composite, transverse conductivity asymptotic study 2−25443
multifilamentary compound superconductors, development, review 2−5925
multifilamentary sueprconductors, in situ and powder metallurgy, review 2−5927
properties alteration by nonhydrostatic elastic strain 2−9891
stability under AC conditions, influence of nucleate-film boiling transition in liq. He 2−15238
thermal characteristics with alternating current 2−25445
windings, epoxy-impregnated, training mechanism 2−5977
wire, in situ formed, twisted, AC losses 2−5930
Al/Nb-Ti composite supercond., strengthened, fabrication, energy storage appl. 2−9903
Al/NbTi-Cu composite supercond. for tokamak toroidal field coils 2−9961
Cu-Nb dendritic A15 superconducting composite, large-scale casting and wire fabrication 2−8841
Cu-Nb_3Sn untwisted composite, AC losses, critical current density 2−9894
Cu-Nb-Sn, cold powder-metallurgy processed multifilamentary composite, fabrication, current density 2−8843
Cu-Nb-Sn multifilamentary in situ wires, high-temp.-gradient casting 2−8844
Cu-V_3Ga composites, in situ prep., supercond. and mech. props. 2−9905
$(Nb,Ta)_3Sn$ multifilamentary wires, bronze process fabrication, supercond. props. 2−9899
Nb-Hf/Cu-Sn-Ga, multifilamentary supercond., crit. current, strain effects 2−9886
Nb-Ti superconducting cable, multistrand, monolithic terminations 2−7556
Nb-Ti/Cu composite superconductor, formvar coated, supercond. recovery from postquench conditions 2−5934
Nb_3-Sn-Nb-bronze composites, supercond. props., stress effects 2−9906
Nb_3Ge composite tape conductors, total AC losses 2−20555
Nb_3Sn cable-in-conduit force-cooled superconductor, stability meas. 2−5976
Nb_3Sn composite-processed, alloying addition effect on comp., growth rate and supercond. props. 2−9883
Nb_3Sn, composites preparation, props. and improvements in current-carrying capacities in high mag. fields 2−9895
Nb_3Sn, cooled by normal and superfluid He, stability 2−15237
Nb_3Sn, filamentary, supercond. props., stress effects, mag. fusion energy program appl. 2−15240
Nb_3Sn filamentary superconductor manufactured by solid-liq. diffusion process 2−5922
Nb_3Sn, multifilamentary, strained, self-healing effect 2−9885
Nb_3Sn, multifilamentary, internal bronze fabrication, supercond. props. 2−9900
Nb_3Sn, multifilamentary, crit. current strain depend., use of MAXIMSUPER computer program 2−9907
Nb_3Sn multifilamentary conductors, Al, Cu stabilised, heat pulses effects 2−5969
Nb_3Sn multifilamentary superconductor, manufacture by external diffusion method 2−5923
Nb_3Sn multifilamentary superconductor, strain-scaling law, uniaxial and bending strains 2−5926
Nb_3Sn multifilamentary supercond. for high field test facility at Lawrence Livermore Lab. 2−15282
Nb_3Sn multifilamentary wires, low temp. phase transform. and strain depend. of critical current density 2−1599
Nb_3Sn multifilamentary wire, crit. current in high mag. field 2−1601
Nb_3Sn multifilamentary wires, crit. current and pinning behaviour, 4.2K to crit. temp. 2−9898
Nb_3Sn multifilamentary wire, fabrication for DC power transmission lines 2−9901

composite superconductors continued
Nb_3Sn multifilamentry wires, in situ prep., high field crit. current density, mech. stresses effect 2−9904
Nb_3Sn superconducting cable, internally cooled, performance in solenoid 2−5974
Nb_3Sn superconducting cable, multistrand, monolithic terminations 2−7556
Nb_3Sn, ultrafine multifilament composite wires, processing limits 2−8846
Nb_3Sn/Nb-Ti composite-processed superconductor, high field props. 2−9882
Nb_3Sn-Cu composite, powder preparation, critical current density 2−9893
Nb_3Sn-Cu filamentary superconducting wire, in situ prep. and props. 2−5928
NbTi, multifilamentary, AC losses in pulsed mag. fields 2−17743
NbTi-Cu multifilament supercond., explosive bonding *(Chinese)* 2−20553
V-Ga/Cu-Ga-Al composite system, metallurgical processing, superconducting props. of V_3Ga wires 2−8847
V_3Ga wire, superconducting props., formation temp. effects 2−5924
V_3Ga-Cu in situ multifilamentary composite, preparation and superconducting props. 2−8845
V_3Ga_2, composites preparation, props. and improvements in current-carrying capacities in high mag. fields 2−9895

composition measurement *see chemical analysis*

compressibility
see also compressive strength
ferrites, soft, press. effect on magnetisation mechanisms 2−15157
magnetic tape wrap around a cylinder, mathematical anal. 2−15177

compression, bandwidth *see bandwidth compression*

compressive strength
see also compressibility
sand, moulding and core, universal apparatus for strength meas. 2−19479
steel, stainless 304 and 21-6-9, unflawed, AE under biaxial stresses 2−13882
Al and Al alloys 7075 and 7050, AE during tensile and compressive deform., microstruct., effect 2−13891

compressor-expandors *see compandors*

compressors
290 MW Huntorf air storage system energy transfer plant experience 2−17941
air compressor types, application and energy economics *(French)* 2−23257
air conditioning, types 2−13094
axial-flow, dynamic blade motion meas. by non-contacting eddy current method 2−22455
centrifugal, design, construction and testing 2−12509
chiller capacity frequency control 2−28251
compressors for 12 V and 24 V direct current 2−7961
domestic air-conditioning mechanisms, rotary compressor efficiency improvement 2−28257
electric motors for compressor drives, selection 2−7839
energy management, system decisions and reciprocating compressors 2−4597
gas absorption/desorption compressor, 90% heat conversion to electricity 2−3949
industrial compressed air generating equipment energy economic operating regime achievement *(Rumanian)* 2−23787
turbomachinery vibration meas., signature analysis appl. 2−23139

Compton effect
free electron laser, axial DC elec. field, high power visible radiation generation 2−25654
medical X-ray Compton scatter imaging/ using a high speed flying spot X-ray tube/ 2−3470

Compton profile *see Compton effect*

Compton scattering *see Compton effect*

computability and decidability
see also computational complexity
embedding metric spaces into cpos 2−13616
nonborel F_{σ}-sets *(Russian)* 2−24162

computation *see calculation*

computational complexity
see also computability and decidability
algebraic functions 2−488
capacitated arc routing problems 2−422
computer network topological design, shortest-path algorithms, comparative study 2−26275
digital signal processing appl. 2−10617
discrete realizations of continuous analogs of iterative processes and their application *(Russian)* 2−491
error complexity analysis of algorithms for matrix multiplication and matrix chain product 2−4916
graph theory, conf. at Aore, Israel, 1981 2−19243
graphs, centres locating 2−4826
matrices division free bilinear algorithms 2−13650
matrix multiplication bilinear algorithms 2−13651
maximum bipartite matching via fast matrix multiplication, deterministic and probabilistic algorithms 2−8708
parallel algorithms for the minimum spanning tree problem 2−4882
parallel processing for sparse matrix lower triangular system algorithm 2−4921
pipelined digital architecture for computing a multi-dimensional convolution 2−4977
proving lower bounds for linear decision trees 2−19247
random convex hulls, computer generation 2−13468
routing optimisation problems in intricate shape regions 2−8646
routing table updating, relational Petrio net model for reduced computational complexity 2−21635
transmultiplexer implementation, baseband analytic signal approach 2−6678
travelling, minimum rectilinear distance paths finding, barriers' presence 2−357
undirected graph parallel algorithms 2−4881
VLSI algorithms, planar circuit complexity 2−20356

computer-aided analysis
see also analogue simulation; CAD; circuit analysis computing; control system analysis computing; digital simulation; electric machine analysis computing; hybrid simulation; power system analysis computing
3 kW wind-electric system for residential use, net energy anal. using computer-operated simulation model 2−23223
air conditioning control systems static and dynamic behaviour anal. using digital computer *(German)* 2−23783

computer-aided analysis continued
ATE appl. as management control mechanism 2−8192
automotive internal combustion engines, 3D anal. of flow and combustion 2−13781
axial flow turbomachine performance prediction study 2−7590
beam tetrode computer simulation, physical process studies 2−24861
bipolar semiconductor components simulation and anal. using TRANAL programming system *(German)* 2−1360
building lighting automatic control plus natural daylight use, energy saving under various conditions *(Japanese)* 2−8087
bulb turbine computed stresses and natural frequencies comparison for design *(German)* 2−23167
computer-aided evaluation of Peru's hydropower. I 2−23166
controlled rectifier driven asynchronous railway traction motors, computer aided determination of harmonics *(German)* 2−4424
crossed-field tubes, computer modelling 2−1112
diffuser-augmented, blade element computational anal. 2−18803
electricity generating capacity growth restraints, effects on United States economy to year 2000 2−7503
fault location in ESS networks, using computer-aided analysis 2−10911
FDMA data transmission systems, adjacent channel interference and intermodulation distortion, computer-aided anal. 2−16448
flat plate photovoltaic modules encapsulation systems, thermal and optical performance 2−23540
FM-AM convertor, computer-aided analysis, for satellite broadcasting receivers *(Chinese)* 2−26460
hinged wave energy convertor with two platforms 2−3967
IC wafer process requirements and associated costs 2−14952
implanted barrier, transfer of charges in two-phase surfaces *(German)* 2−9667
induction heating, generator with negative feedback self-controlled triode, performance anal. using computational model 2−28237
investigating the temperature conditions of complete phase-separated screened bus trunking *(Russian)* 2−27872
LMFBR cladding breach monitoring by solid state tagging of fuel element surface, analysis program 2−17910
logic circuits worst case analysis using microcomputer KRS 4200/4201 *(German)* 2−9085
magnetic levitation passenger transport systems vehicle dynamics and optimisation 2−28182
MARKAL, linear programming model for energy systems analysis, BNL version technical features 2−24201
memories and LSI test quality and efficiency optimising system 2−19689
MIS solar cells, short circuit current 2−23464
multicarrier performance prediction, with two-carrier measurements 2−6797
mutual inductance between two spatial polygonal conditions *(German)* 2−5385
natural draught cooling tower performance, which effects prediction by computerized model *(German)* 2−17954
nuclear reactor accident consequence analyses, computer codes 2−3865
nuclear reactor accident consequence analyses, computer codes 2−7679
optimal parameters determ. using mathematical model *(Russian)* 2−28220
optimal selection of major equipment in dual purpose plants by simulation of operating conditions 2−3809
outdoor, 420-kV bus structure mechanical behaviour and short-circuit conditions *(Italian)* 2−27957
power and material distribution networks, short term load forecasting methods appl. *(Hungarian)* 2−22859
power stations optimal planning, three stage model *(German)* 2−27602
pressurisation transients in BWR, RAMONA computer code simulations 2−12364
ranch house in USA, cooling energy saving by whole-house fan, computerised analyses 2−13101
RD3D, computer simulation of resist development in 3D 2−20163
rectangular matrices, graph theoretic methods for qualitative anal. 2−8335
satellites launched by NASDA, mission analysis for maneuver 2−22595
semiconductor memory testing economics 2−18929
solar panels load losses, analogical study *(Italian)* 2−23439
spacecraft HF structural vibrs., prediction using statistical energy anal. 2−3544
steam turbine, mass and volumetric flowrate calc. 2−27734
steam turbine condenser design assessment and optimisation computer modelling techniques 2−23081
Super-Phenix steam generator 45 MW model, numerical simulation of operation on non-stationary regime *(French)* 2−27640
switches, HV, kilometric defect solicitation severity evaluation using computer *(Rumanian)* 2−28053
telephone exchange fault registers, computer aided anal. *(German)* 2−16257
vibro-diagnostics of spontaneous closure in contacting systems by a method of finite elements *(Russian)* 2−28057
video motion anal., prototype laboratory instrument 2−2963
WAMCOM computer code for common cause methodologies using large fault trees 2−8329

computer-aided circuit analysis *see circuit analysis computing*

computer-aided circuit design *see circuit CAD*

computer-aided design *see CAD*

computer-aided instruction
see also education
ATC controller training, simulated target generation for ATC systems testing 2−12046
blind student microcomputer based voice synthesizer 2−18882
CANDU simulators, instructor facility tools to evaluate trainee performance 2−23034
classroom combined teletext/microcomputer project based at Brighton Polytechnic, England 2−2499
clinical engineering education using CAI 2−17326
education conf. Rapid City, South Dakota, October 19-21, 1981 2−18873
educational microprogrammable microcomputer emulator, low cost, general purpose, design, fabrication and appl. 2−13183
fault diagnosis in maintenance tasks, Adaptive Computer Training System 2−18909
general-purpose system for simulating and training complex diagnosis and troubleshooting tasks 2−18908
graphics applications to aircraft and other simulation 2−7367
information delivery potential of CAI, CMI and maintenance aiding 2−4590

computer-aided instruction continued
instruction method as aid to integration of CAD methods into teaching 2−13181
instructional TV systems in colleges, design, implementation and program development 2−18893
interactive computing as instructional tool in two year electronics degree 2−18892
linear networks, simulation program *(Spanish)* 2−24369
management training in telecommunications 2−28
nuclear power plant training simulators 2−23035
nuclear power plants, Nordic cooperation project on man machine communication 2−7637
Pavia University in Italy, computer use in education, experiences 2−13180
power system simulator for load dispatcher, discrete dynamic model 2 12172
Prestel telestoftware display standards 2−2500
problem diagnosis training, role of computers 2−18907
SCAT, System Control Analysis and Training tool for communications networks 2−18910
storage oscilloscope simulation in BASIC 2−17003
telephone exchange operator training for Traffic Service Position System No.1, microprocessor-controlled equipment 2−8162

computer-aided logic design *see logic CAD*

computer applications
for specific applications see under appropriate headings
see also administrative data processing; CAD; complete computer programs; computer-aided analysis; computerised control; computerised instrumentation; computerised signal processing; engineering computing; government data processing; information science; military computing; natural sciences computing; social and behavioural sciences computing; subroutines
28th International Scientific Electronics Congress, Rome, Italy (March 1981) 2−18859

computer architecture
see also logic design
8-bit microcomputer family (NSC 800), Z80 and 8085 features, high-speed CMOS fabrication process 2−5256
8-bit microprocessors, benchmark programs used for comparison 2−19717
16-bit microprocessor, Motorola MC 68000 advanced architecture *(German)* 2−9107
489-bit absolute Internet and Ethernet host numbers 2−21574
8086 16 bit microprocessor system, technology, charact. *(Italian)* 2−19710
aerospace database 2−22671
aircraft distributed processing 2−22665
aircraft multimicroprocessor-based system 2−22670
aircraft multiprocessing system, conf. at Roros, Norway (1981) 2−22663
AMS microprocessor SAB 8086, I/O processor SAB 8089, numeric data processor SAB 8087 2−14163
ATE system performance ramifications 2−22122
avionic multiprocessing system SOVAC 2−22683
avionics multiprocessing system architecture 2−22674
bidirectional token flow system 2−21563
BLN architecture 2−21572
computer-based facsimile 2−16087
continuous reconfiguration in a multi-microprocessor flight control system 2−22669
COP 1440 single chip microprocessor, MOS n-channel architecture *(Italian)* 2−19707
distributed database management system architectures 2−21610
distributed processing system architecture, motivations and trends *(Italian)* 2−21609
double loop network 2−21571
dual addressing of a stack-pointer register in a microprocessor 2−24554
embedded arrays self-assist testing 2−19727
flight control multiprocessor 2−22667
functional versus communication structures in modern avionic systems 2−22668
general purpose multiprocessor with hierarchical structure, design principle 2−4738
heterogeneous local area network 2−21556
heterogeneous-plus computer networks of system 7.500, 7.700, 7.800, 6.000, 300 and TRANSDATA 9600 computers 2−21604
high-speed power flows using attached scientific (array) processors 2−22885
iAPX-432, object orientated architecture 2−14176
IBM series/1 minicomputer for system verification and calibration 2−22109
independent computing systems, shared resource queueing model 2−10865
INTEL 8048 single chip microcomputer family *(Italian)* 2−5247
Intel 8087-9 range of single chip processors, 8087-9 range *(Italian)* 2−5810
Intel iAPX 432 microprocesor, software aspects *(German)* 2−19720
LAN architecture 2−21568
local area microprocessor network architecture 2−2534
local area network ring design 2−21570
local area networks, effect on distributed processing architecture 2−26290
M-BUS to interconnect microprocessors in a distributed processing network 2−26291
mAP project an associative processor for speech processing 2−6423
MI network, nonequivalence directed graph model 2−2543
microprocessor architecture, design and use problems 2−14169
microprocessor family NS16000 charact. *(Spanish)* 2−14158
microprocessor technique and trends *(Czech)* 2−9105
microprocessor-based architecture for high speed data processing 2−15872
microprocessors, architecture, technology, appls. *(German)* 2−19712
MIPS, processor architecture for single VLSI chip implementation 2−19721
modelling of large-scale Markov chains with associative pipelining 2−4729
Mostek single chip 3870 family, circuit details *(Italian)* 2−5248
multiprocessing system fibre optics ring bus, architecture 2−20683
multiprocessing system scheduling algorithms evaluation 2−2510
multiprocessor architecture for rapid EEG frequency analysis 2−22562
multiprocessor system, design using common memory and input-output interface 2−14139
network, SNATCH open architecture 2−21555
network design and validation 2−16146
network KAMA remote data control system 2−10841

computer architecture continued
network multistage cube 2−16149
networking techniques 2−16148
networks, conf. at Mexico City, Mexico, 1981 2−21552
on mapping non-uniform PDE structures and algorithms onto uniform array architectures 2−4969
Open System Interconnection architecture, impact on information system design *(Italian)* 2−21611
parallel processing *(Russian)* 2−2513
parallel processing for sparse matrix lower triangular system algorithm 2−4921
parameter transfer via the stack, used for microcomputer design *(Danish)* 2−19705
performance study of a distributed microprocessor architecture for use aboard military aircraft 2−22666
pipelined digital architecture for computing a multi-dimensional convolution 2−4977
power system parallel processing, experiences and computers used 2−27397
service class and architecture 2−21569
SIFT avionic system 2−22682
single-chip microcomputer architecture software support capability incorporation into Si 2−19729
SUCC protocols 2−10840
telematic system architecture and subsystem interface standardisation *(Italian)* 2−16179
Texas Instruments single chip microcomputer family TMS 9940, architecture and appls. *(Italian)* 2−5251
TI TMS 99000 microchip family for building-block architecture 2−19704
TORNET architecture 2−21566
VLSI 432 general data processor, instruction decoding unit 2−14146
VLSI 432 general data processor, microinstruction execution unit 2−24551
VLSI chips synchronisation, automatic adjustment of several decentrally generated clock pulse sequences of a computer distributed over several VLSI chips 2−5176
VLSI circuit design and construction course summary *(Swedish)* 2−20280
VLSI impacts on computer hardware architecture, interconnects, intrachip and interchip 2−19609
VLSI processor architecture and design strategies 2−14173
VLSI systems and computations, conf., Pittsburgh, PA, USA, 19-21 Oct. 1981 2−18864
Zilog Z80 and 28 single chip microcomputer range, architecture, software and support services *(Italian)* 2−5252
Zilog Z-80 microprocessor architecture, functions, appls. *(Italian)* 2−19709

computer-controlled phototypesetting *see computer-controlled typesetting*

computer-controlled typesetting
automated typesetting development, laser role 2−2064

computer evaluation *see computer selection and evaluation*

computer facilities
computer engineering, principles of electrical energy economics *(Czech)* 2−8097
packaged air conditioner for computer rooms *(Japanese)* 2−13097
Univ. Missouri central computer facility and teleprocessing network evolution 2−26286

computer-generated holography
acoustic holograms reconstruction, spatial replication in back-propagated acoustic holograms 2−27320
blurred-edge object recognition method 2−2381
double phase holograms, image deblurring appl. 2−25874
fabrication process and expt. results *(Chinese)* 2−25863
Lagrangian interpolated binary Fourier holograms, Lohmann hologram phase error modification *(Chinese)* 2−10372
laser scanner for computer-generated holograms 2−10391
multiplexed coherent optical processor for calculating generalized moments 2−21380
multiplexed holograms, digital generation and optical retrieval 2−25860
polarizational complex kinoform 2−6281

computer graphic equipment
see also interactive terminals; plotters; remote consoles
3D-raster display system, hardware enhanced 2−3087
colour CRT display system PAN 30M, appl. to CCIS *(German)* 2−11382
colour graphics appl. to warfare electronic system testing 2−22130
CRT displays for power system control 2−22174
CRT technology, swept displays, memory devices, colour *(French)* 2−11383
DIGSIM II, advanced graphics interface for VLSI MOS models 2−1461
EF9365, EF9366 graphics processor chips *(German)* 2−24550
Flair picture making device 2−2964
GDPEE 9365 general purpose graphic processor 2−7037
graphic screens, requirements for very fast D/A convertors *(French)* 2−24569
graphics generator, electronic, microprocessor-based 2−21963
halftone images, automatic processing 2−15930
high performance raster scan displays 2−16833
intelligent high-speed image-scanning/recording system, design considerations 2−16857
interactive video graphics terminal price/performance relationship 2−21680
map display design, using LSI11/03 computer 2−22171
power distribution network planning, use of computer graphics in database management systems 2−27478
process video systems as interfaces between man and process *(German)* 2−22154
raster-scan displays updating, VLSI architecture 2−16850
rocket fuel burning meas., transducer test data evaluation with computer graphics 2−3547
simulation training with computer graphics 2−7367
storage plasma panel display graphic cursor generation 2−5522
terminal display technologies for 1980s 2−16180
VLSI design, verification and pattern generation, low cost graphics system 2−1434

computer graphics
see also curve fitting
3D raster graphics, VLSI-oriented design, pixel planes 2−3086
automatic network information and documentation in power supply *(German)* 2−17627
CADDIE, behavioural specification of new telecom facilities appl. 2−15988

computer graphics continued
colour display graphics possibilities 2−21631
colour graphic CRT display and hard-copy printout, for business market 2−17055
colour graphics appl. to warfare electronic system testing 2−22130
colouring graphs, method for finding colouring parameters of complete graphs 2−4828
computational video: television as a human interface 2−11255
computer aided control system design applied to milk drying plants 2−13129
CRT controller for personal computer and electronic games appls. 2−22317
CRT displays for power system control 2−22174
digital color weather radar remoting and integrated graphic systems 2−2564
EEG anal., graphics-based computer system 2−22557
electric utility facility management, computerised graphics systems appls. 2−7478
EM field computer modeling appl. 2−2074
finite element mesh generation using a small computer with interactive raster graphics 2−4105
Flair TV programme real-time graphics system, microprocessor-based, simulated brush effects 2−11208
frame buffer raster scan displays, exploiting area coherence 2−22173
human/systems communication, speech at the interface 2−10673
ICON TV programme real-time graphics system based on PDP11 minicomputer 2−11208
information delivery potential of CAI, CMI and maintenance aiding 2−4590
intra thoracic anatomy reconstruction and display 2−7324
LSI layout design, raster scan colour graphics terminal appl. 2−1430
man-computer communications, conf., Waterloo, Ont., Canada (Jun. '81) 2−2504
man-computer communications, conf., Waterloo, Ont., Canada (Jun. '81) 2−10835
map display design, using LSI11/03 computer 2−22171
mask generation language, description and appl. including ICs 2−5759
moving picture encoding, adaptive straight line approx. technique 2−10645
pictorial representation of PCB physical parameter verification, graphical interface appl., identification of net design errors 2−1024
power plant yard mapping using computer graphics 2−27598
raster scan CRT displays, microprocessor software generation of video timing and addressing signals 2−22168
raster-scan displays updating, VLSI architecture 2−16850
sonar, multibeam, with colour display 2−26549
teletext graphics enhancement 2−6636
Telidon relationship to computer graphics standards 2−10836
uncommitted logic arrays design, CAD verification system 2−798
vector graphics CRT display system 2−3064
video motion anal., prototype laboratory instrument 2−2963
Watkins' algorithm 2−431
weather forecasting interactive computer graphics system for generating video images 2−2563

computer industry *see DP industry*

computer installation
see also computer maintenance; distributed processing
air conditioning and power supply 2−8096
computer engineering, principles of electrical energy economics *(Czech)* 2−8097
electronic data processing standby power supplies 2−17686
office computer emergency back-up energy supplies, market developments *(Swedish)* 2−27442

computer interfaces
see also CAMAC; computer peripheral equipment; data communication equipment
12-bit data converters, microprocessor compatible, connections *(German)* 2−9116
16-bit AmZ8000 microprocessor by AMD, interfacing *(German)* 2−24548
16K dynamic RAM type MCM4116 for MC68000 microprocessors *(German)* 2−24505
8085A microprocessor interrupt system *(German)* 2−19714
8275 programmble CRT controller, timing parameters algorithm, in BASIC 2−26779
acoustic access in data processing equipment *(German)* 2−26208
AD7581 CMOS data acquisition chip, used for microprocessor interface 2−26785
ADC and DAC interfacing with microcomputers *(German)* 2−891
ADC appl., CMOS, 8-bit *(German)* 2−887
AIM 65/A/D convertor 2−11422
analogue, design for microcomputers 2−19697
Ansaldo data transmission system, using microprocessor-based interface modules *(Italian)* 2−6602
Apple acoustic coupler interface 2−19700
ARINC 429, avionic bus, protocol components and equipment *(French)* 2−3556
ATE data handling speed increase, IEEE-488 bus capabilities 2−16782
ATE/UUT interface, modular 2−22132
autodialler using Elf microcomputer 2−16245
automatic programmable oscilloscope, HP 1980 A/B, technical and operational charact. *(Italian)* 2−7124
automobile microprocessor interfaces 2−18731
avionic systems, high-integrity 1553-biased avionic types, LSI bus interfacing chips 2−22637
BLC-8488, intelligent general purpose interface bus controller 2−11343
cell average volume, microcomputer interface for rapid meas. using an electronic particle counter 2−27119
Commodore PET interface to Prestel 2−6568
computer interface for measurement signals acquisition *(German)* 2−19008
crystal-controlled modem, data handling capacity of 300 band, low-cost design 2−6658
data switch connecting terminals to computers, software organization 2−10908
Datel single-board data-acquisition system, modification for electrophysiological appls. 2−27178
DC drives, interfaced with microprocessor systems for speed control *(Italian)* 2−12970
DC motor microprocessor interface, used for industrial control, position control *(Italian)* 2−12656

computer interfaces continued
digital transmission interface standards *(German)* 2−21547
digital voltmeters and multimeters, interface cards for IEC standard bus 2−11517
digital voltmeters and multimeters, interface cards for IEC standard bus 2−17018
display device for microcomputer, design *(Czech)* 2−7041
dual D/A converter for microprocessor applications 2−24567
dummy talker/controller for IEEE 488 interface bus instruments 2−16162
European railway administrations' data transmission network Hermes *(Italian)* 2−16192
facsimile data conversion and interface control equipment 2−26244
fast, time-sliced, multiple data bus structure for overlapping I/O and CPU operations, nuclear appl. 2−6603
Federal German Post Office data services *(German)* 2−21548
general-purpose interface bus, advantages and problems 2−3059
GP-IB bus compatible instrumentation, Tektronix TM 5000 range appl. *(French)* 2−26724
GPIB adaptor for use with instruments/systems with degree of analogue programmability 2−22052
GPIB for power supplies, charact. *(German)* 2−13945
heterogeneous-plus computer networks of system 7.500, 7.700, 7.800, 6.000, 300 and TRANSDATA 9600 computers 2−21604
human/systems communication, speech at the interface 2−10673
IEEE 488 bus instrumentation, controllers, interfaces and equipments 2−26718
IEEE 488 general purpose interface bus 2−6632
IEEE standard 488-1978 bus interface conformance testing 2−26759
IEEE-488 for computerised microwave meas. 2−22379
IEEE-488 GPIB interface cct. for fast paper tape reader 2−19748
inertial ATE interfaces innovation 2−26769
injection moulding microcomputer-based system 2−4553
instruments interfacing to IEEE 488 bus, use of 9914 GPIB adapter 2−7026
laboratory instrumentation interfacing, battery testing facilities 2−3037
LED and 7-segment fluorescent displays, driver and interface hardware for microprocessor systems 2−22337
liquid crystal display, CMOS drive and interface circuits *(German)* 2−11539
local computer network dataway systems, appls., interface techniques *(Japanese)* 2−16165
logic receiver for general-purpose interface 2−5174
LSI development for data terminals, facsimile equipment *(Japanese)* 2−26242
LSI interface circuits, microprocessor systems, external mass storage peripherals *(German)* 2−5891
magnetographic copier−duplicator 2−15672
mass storage for micros and minis, $5^1/_4$ inch Winchester drive *(German)* 2−20493
MC 68000 connection of M 6800 *(German)* 2−9103
measurement systems, interfaces between process and computer 2−16827
measurement techniques at data interface, data flow, transmission quality and simulation *(German)* 2−2537
Micro-System Troubleshooter Model 9010A, testing of microprocessor bus and bus-connected devices in electron-ic equipment 2−6993
microcomputer, MIDAS machine language program 2−3093
microcomputer buses, mechanical and electrical specifications, comparison 2−10853
microcomputer interface circuits, telephone modem *(German)* 2−9043
microprocessor controlled systems, control and drive logic IC's appl. *(German)* 2−19612
microprocessor interface techniques and precision signal handling 2−19724
microprocessor interface with switch array, imaginary I/O port 2−862
microprocessors, i/p and o/p functions 2−9115
microprocessors in a distributed processing network 2−26291
multi-point measurements using the type UPH3200 data multiplexer with fixed program microprocessor or flexible program computer *(German)* 2−16812
music subscriber interface for the home-of-the-future network 2−10889
nuclear power plant man-machine interface design features and developments 2−17880
opto-isolated RS-232 interface for high data rates 2−25619
oscilloscope interface for alphanumeric information 2−11528
procedure free transmission emulation *(German)* 2−10861
Radio Shack Color Computer A/D circuitry 2−14178
RS232 serial communications data interface 8-bit A/D plus D/A convertor board 2−19731
Schwartz P 2000 microcomputer based on 8048 single-chip microprocessor, optically-coupled inputs *(German)* 2−14136
signal generator for all standard bit rates 2−768
software controlled ADC, using Intel 8080A, DAC-08 2−9121
standard IEEE 488/78, automatic measuring systems, comp. with previous standard *(Spanish)* 2−26748
standard interfaces for serial data communication, 20 mA current loop and RS-232-C voltage interface 2−6612
stepping motor KIM-1 microcomputer based velocity control system 2−12671
telecom/computer interface guidelines 2−21597
telematic system architecture and subsystem interface standardisation *(Italian)* 2−16179
telephone automated dialler for Heath H8 microcomputer, Tele-Pulse 2−16246
testing, programmable digital delay test circuit 2−8256
Texas TI-30 calculator interface to GIM voice synthesis module 2−14243
TRS-80 joystick converter 2−19730
UK networking system market survey 2−21583
universal asynchronous receiver/transmitters, use with serial RS232 port 2−19747
visual display terminals, difficulties in development 2−16868
VLSI 432, Intel 32-bit computer, interface processor 2−24552
X.25 protocol tester, appl. for business telecommunications *(German)* 2−26283

computer internal arrangement *see computer architecture*

computer languages *see programming languages*

computer maintenance
magnetic tape units, dust problems rel. to reliability, major causes, elimination 2−20514
module rework and repair process for fully-populated board 2−5422

computer maintenance continued
peripheral equipment, complex evaluation *(Russian)* 2−8230
power system load characteristics, real-time digital data acquisition system 2−17645
remote data processing network maintenance aspects *(Italian)* 2−16176

computer metatheory
see also automata theory; computability and decidability; formal logic; switching theory
independent computing systems, shared resource queueing model 2−10865
VLSI systems and computations, conf., Pittsburgh, PA, USA, 19-21 Oct. 1981 2−18864

computer networks
see also distributed processing
28th International Scientific Electronics Congress, Rome, Italy (March 1981) 2−18859
489-bit absolute Internet and Ethernet host numbers 2−21574
adaptive routing protocols for computer network linking tactical radar sites 2−6628
anti-intrusion remote surveillance network with distributed intelligence *(Italian)* 2−16110
applied time-delay analysis 2−16175
Australian Digital Data Network, description 2−16170
authentication protocols for general communication channels 2−16199
bidirectional token flow system 2−21563
BLN architecture 2−21572
British Telecom data service developments 2−21614
broadband local networks, media requirements overview 2−21601
CNET local network *(French)* 2−16205
collision-free access control for computer communication bus networks 2−10856
collision-free local area bus network performance analysis 2−26166
common visual space implementation 2−26294
communication networks, routing problems, appl. of hierarchical control techniques 2−15971
communication traffic theory appls. in computer networks *(Japanese)* 2−16164
communications adaptor for satellite network switched services 2−26292
communications software development for intelligent links 2−6624
communications-computing synthesis as extension of human perception and reasoning 2−21607
components of data transmission network *(German)* 2−6584
congestion control 2−6605
congestion control scheme for window flow controlled computer networks 2−21634
connection establishment protocol, SPEX language 2−21554
Connexion: an international data network *(Swedish)* 2−26289
corporate communication networks: selection and strategic impacts *(French)* 2−16206
cryptographic authentication/ of time-invariant quantities/ 2−2526
Czechoslovak Academy of Sciences computer terminals, charact. 2−26287
DAG-based algorithm for prevention of store-and-forward deadlock in packet networks 2−6604
data communication networks, networks, their architecture and protocols 2−26285
data communication networks design using fuzzy methods *(Slovak)* 2−10852
data encryption standard 2−2525
data interface measurement techniques, data flow, transmission quality and simulation *(German)* 2−2537
data replication cost 2−21567
datagram networks, introduction to flow control *(Spanish)* 2−21399
DATALINK nationwide private data communications network, conversion to packet technology 2−2547
Datex-P data package service of German Post Office, CNA-X25 modular software 2−2536
DCNA job transfer protocols *(Japanese)* 2−6600
deadlock-free packet switching networks 2−2401
Demand Assigned Multiple Access systems using collision type request channels: priority messages 2−21562
description of a planned federal information processing standard for transport protocol 2−21553
design and validation 2−16146
detour routing 2−26169
development 2−6579
digital satellite network error control 2−26266
DIPS standardised operating system, DIPS 104 OS 2−26278
distributed appls. management 2−6619
distributed database management system architectures 2−21610
distributed database system, network architecture 2−16207
distributed minicomputer network, its implementation and evaluation 2−16142
distributed processing architecture, effect of local area networks 2−26290
distributed software systems, SHOSHIN testbed 2−10866
distributed software systems 2−21592
distributing viewdata and teletext services to a user community 2−10834
Dmitri, multicomputer front-end switcher 2−10895
double loop, architecture 2−21571
DSA view for usage and administration in a distributed network *(French)* 2−21641
duplex communication between computer terminals *(Russian)* 2−2512
duplex link level protocol 2−21561
EDP sub-systems, optical fibre interconnections *(Italian)* 2−11083
educational regional network, new directions 2−2519
electronic mail, data security, ISO standard 2−16106
engineering education, packet switch project soln. 2−2521
Ethernet capability as local area network standard 2−21579
Ethernet controller and software for DEC computers under Unix 2−21585
Euronet Diane, origins, structure, data packet exchange service, network access and costs *(German)* 2−2520
Euronet packet switching exchange 2−21701
European railway administrations' data transmission network Hermes *(Italian)* 2−16192
exact mathematical models for the solution of distributed systems *(Italian)* 2−21593
fibre optic data networks, high-capacity multiple-access, using guided-wave components 2−2796
fibre optic data ring design 2−10862
fibre-optic technology applied to computer communications 2−21622

computer networks continued
file transfer method between DEMOS-E, DRESS *(Japanese)* 2−6588
file transfer protocols reviewed and compared 2−6620
flow control, model of window mechanism, blocking-type queueing system 2−21603
flow control in virtual channel computer networks *(Spanish)* 2−21398
FRBS protocol 2−21577
French public packet-switching data network status and prospects 2−21615
French Telematique programme for integrated telecommunications strategy 2−21617
fundamentals of computer networks *(Hungarian)* 2−6611
Gamma-Net system, network-management software for computer networks linked by a high-speed ring bus *(Japanese)* 2−6613
GBRAM (group broadcast recognising access method), local network protocol 2−16200
geographically distributed network organisation, integrated approach *(Italian)* 2−16196
geographically distributed system monitoring 2−21642
GRnet system, ATE computer network for production test data management 2−16838
HERMES, microprocessor based network *(French)* 2−21640
heterogeneous, local area architecture 2−21556
heterogeneous-plus computer networks of system 7.500, 7.700, 7.800, 6.000, 300 and TRANSDATA 9600 computers 2−21604
heuristic model 2−21557
hierarchic multicomputer system in real-time, data transmission *(German)* 2−10860
hospitals, prototype generalised network technology implementation 2−21626
IBM SNA virtual route pacing control, model and anal., Norton equiv. of queueing model 2−2546
impact of satellite technology on transport flow control 2−21575
independent computing systems, shared resource queueing model 2−10865
independent network management systems *(French)* 2−21643
Indonesia public data networks 2−2419
industrial remote data processing developments *(Italian)* 2−16184
information services market forecast 2−2531
information system organisation *(German)* 2−21546
integrated circuit data link controller for local networks 2−26315
integrated services digital network problems and local exchange structure *(Italian)* 2−21621
Integrated Services Digital Network switching office model *(Italian)* 2−21612
integrated services digital networks, data communication handling prospects 2−21618
integrated wide band networks *(German)* 2−10850
integrated word processing, archiving and document retrieval system 2−16188
interactive videotex system structure and operating principles 2−21527
intercity network reliability *(French)* 2−21637
international message service for corporate use 2−16102
interprocessor network utilisation rate optimisation models *(Italian)* 2−21625
interuniversity computer networks development in Japan 2−2540
invariant property of computer network power 2−21633
Italian banking system remote data processing developments *(Italian)* 2−16186
Italian packet switching network application of GTE Telenet system *(Italian)* 2−16174
Italian public switched data network in European context *(Italian)* 2−21616
Italian telephone company DP status and prospects *(Italian)* 2−16185
Japanese capabilities of local area network manufacture 2−21578
KAMA remote data control system 2−10841
Kontron PS 180 microprocessor and appl. to network control *(German)* 2−26272
LAN architecture 2−21568
large scale integrated service local network using optical fiber data highway 2−2812
linear common cable local networks, bit rates 2−16202
local area, ring design 2−21570
local area networks: foundation for progress 2−21646
local area networks, current products survey 2−2514
local area networks, remote prospect for everyday offices 2−21580
local area networks *(German)* 2−21549
local area networks characteristics 2−10843
local area networks discussion 2−21544
local area networks standards 2−2509
local area wideband data communications network 2−21434
local business networks, selection criteria 2−26280
local computer network dataway systems, appls., interface techniques *(Japanese)* 2−16165
local computer networks, conference, Minneapolis, Minnesota, USA, Oct. 12-13, 1981 2−13154
local distribution networks, hybrid access control schemes 2−2544
local network, planning and building 2−21600
local networks, component description, transmission media, access, interfaces and protocols *(German)* 2−2535
local networks, IEE colloquium, London, England, Nov. 20 1981 2−18878
local networks guide 2−6582
local ring network for integrated data and voice traffic *(Italian)* 2−21624
low level security for sintered communications 2−16204
M-BUS to interconnect microprocessors in a distributed processing network 2−26291
M/Net, Micromation's Z80A based multiprocessing system 2−26281
management, monitoring and diagnostic systems evolution 2−16151
management of data communication networks 2−26263
MI, nonequivalence directed graph model 2−2543
microprocessor based access unit for local area networks 2−26314
microprocessors local area, architecture 2−2534
microsystems, conf., London, England (March 1981) 2−23895
minicomputer network CITV *(French)* 2−21639
MITRENET broad-band local computer network 2−6616
MITRENET local area network based on CATV architecture 2−16209
monitoring system 2−26268
multiaccess channel application *(Polish)* 2−2538
multimedia access system, text to speech translation 2−26293
multimedia computer mail, data structures and presentation control 2−26238

computer networks continued
multimicrocomputer structure based on extended common bus *(Italian)* 2—16193
multimicroprocessor system T-STAR *(Italian)* 2—16194
multiprocessing systems, functioning models of systems with arbitrary dispatching control algorithms under periodic service *(Russian)* 2—13404
multispeed modem network, modem speed monitoring 2—2523
multistage, fault diagnosis 2—6606
multistage cube 2—16149
network management systems 2—21598
networking techniques 2—16148
new techniques of transmission *(French)* 2—21636
office communication systems 2—10844
office system networks, a modular approach 2—6623
Olivetti ONE, distributed system 2—21638
Open System Interconnection architecture, impact on information system design *(Italian)* 2—21611
open systems interconnection, ISO reference model for standard 2—21581
operations analysis and error diagnosis in data networks *(German)* 2—21595
optical fibre bandwidth, losses, bunch problem and EMI characteristics *(Italian)* 2—21623
optical fibre link, 3 loop 10 km, Japanese project *(Japanese)* 2—16473
optical transmission technology appl. to command, control and communications systems 2—2795
optimal load balancing strategies for a multiple processor system 2—6622
optimal strategy for activation of a servicing device in one class of systems with group servicing 2—13413
packet networks with auxiliary satellite channels, design concepts 2—2545
packet radio networks, distributed control 2—21765
packet switched computer networks, optimal flow control 2—15964
packet-switched data network supervision and management system architecture *(Italian)* 2—21619
PASM 4×4 switching nodes performance and implementation 2—2542
personal-computer networks 2—16159
Poisson transform, appl. to queueing analysis in computer communication networks 2—6458
power systems control, inter-utility computer data exchange 2—17643
Prestel network organisation 2—2492
PROPHET time-sharing computer system 2—16208
protocol simulation, software engineering appl. 2—21594
protocol timing measurements and evaluation 2—16201
protocols, conf. at Mexico City, Mexico, 1981 2—21552
protocols and services design from formalisation 2—16197
PSS, facilities and charges 2—10842
PTT rule in information society *(Dutch)* 2—26276
public key protocols, security 2—21647
quasi-static routing and flow control algorithms, interactions 2—21409
queueing networks with simultaneous resource possession and heterogeneous jobs, approx. soln. 2—26165
reliability anal. *(Slovenian)* 2—4681
remote data processing network maintenance aspects *(Italian)* 2—16176
remote data processing problems and developments *(Italian)* 2—16182
remote monitoring and communication of telemetry data 2—10821
reviews *(French)* 2—16019
ring-bus high-speed internal connections use in computer networks *(Japanese)* 2—2533
routing table updating, relational Petrio net model for reduced computational complexity 2—21635
RRZ, regional online network *(German)* 2—21551
rural local authorities data networks *(German)* 2—21589
satellite links, class of broadcast protocols for file transfers to multiple sites 2—10854
scientific information systems in Japan, group study on planning 2—2539
secure architecture options 2—10869
series-parallel reduction for difficult measures of network reliability 2—21591
shared audio information system using new audio response unit 2—26279
SILK, system for integrated local communication 2—21648
simulation of a multiprocessor network for power system problems 2—27384
SL-1 integrated digital switching system, installation at Vanderbilt Univ., TN, USA 2—6722
slotted ALOHA systems, optimal retransmission control 2—2527
SNA alternatives 2—26265
SNATCH open architecture 2—21555
speech communication appls. of packet switching 2—21627
star-star concentrator problem, complexity 2—10855
statistical multiplexing in minicomputer networks 2—16152
store-and-forward computer networks, decentralized flow control algorithms, investigation of appl. to maximization of power 2—2528
Strathnet—a local area network 2—26261
SUCC protocols 2—10840
SUNET—a university computer network for Sweden 2—21630
survey 2—16145
Swedish integrated services digital network evolution 2—21613
synchronous data link control for financial networks 2—6617
telematic information switching 2—21644
telematic system architecture and subsystem interface standardisation *(Italian)* 2—16179
TELENET packet switched network 2—10867
teletext server for computer networks 2—26249
terminals, mini-computers and main frame computers in DCA networks *(German)* 2—10851
termination detection of diffusing computations in communicating sequential processes 2—21543
theoretical performance analysis of polling and carrier sense collision detection communication systems 2—21564
through-nodes minimisation 2—16171
time-division multiple access network, channel assignment technique 2—15963
topological design, dynamic problems, computer networks and data transmission networks *(Russian)* 2—26270
topological design, reliability indices 2—21587
topological design, shortest-path algorithms, comparative study 2—26275
TORNET architecture 2—21566
transaction oriented recovery in distributed database systems *(German)* 2—6576
transborder dataflows: key issues and an implementation mechanism 2—2530
transmission via telephone lines *(Czech)* 2—10857
computer networks continued
TRANSPAC 1981-1985: evolution of a network and services; the effect of users on the project *(French)* 2—21645
UK ICF system, history and development 2—16158
UK networking system market survey 2—21583
UK telecommunications monopoly relaxation implications for network planning 2—21416
Universe project, linking computer local networks by satellite 2—21596
Unix network implementation 2—26267
user terminal design and technological development *(Italian)* 2—16178
variable data rate transmission using fibre optics 2—16203
videotex interconnection *(German)* 2—16116
Wang Net system, local area computer network 2—26282
X.25 implementation in high level software 2—10858
XTEN, Xerox Telecommunications Network 2—10868

computer operator training *see training*

computer peripheral equipment
see also computer graphic equipment; data communication equipment; data preparation equipment; interactive terminals; keyboards; magnetic tape equipment; mark scanning equipment; printers; punched card equipment; punched tape equipment
16-bit microprocessor adaptation by 8-bit direct memory access controller 2—14141
A/D converter, Ferranti ZN427E-8, 8-bit, synchronising pulses 2—893
data link control units, add-on, asynchronous terminals for minicomputer-based data communications appl. 2—2584
digital potentiometer, used to feed variable resistor value into microcomputers 2—5373
I/O extension for F8 microprocessor system *(German)* 2—14144
image data processing system, Mitsubishi Electric product 2—21488
LSI viewdata dedicated chip, used as microprocessor peripheral 2—2496
magnetostrictive data tablet using Fe-Co alloy sheet *(Japanese)* 2—5906
memory support chips, AmZ8160 2—14122
Micro-System Troubleshooter Model 9010A, testing of microprocessor bus and bus-connected devices i- n electronic equipment 2—6993
multi-digit display for peripheral devices 2—7034
multi-frequency tone generator for microprocessors *(German)* 2—24424
multicounter with buffered output, cerebral blood flow meas. appl. 2—16885
speech recognition, customer-oriented telecommunications services appls. 2—2295
speech recognition systems, availability and further improvements 2—6421
speech synthesis by computer in telephone exchanges, appl. to provision of new telecommunication services 2—16272
Western Digital's WD2123 UART, technology, characts. 2—16213
Z80 DART asynchronous receiver/transmitter, using two independent full duplex channels 2—16214

computer peripherals *see computer peripheral equipment*

computer printers *see printers*

computer programming *see programming*

computer programs, complete *see complete computer programs*

computer programs (listings) *see complete computer programs*

computer science education
curriculum in computer engineering degree, critical questions 2—23909
DC motor microprocessor-based velocity control, training programme *(German)* 2—18262
educational microprogrammable microcomputer emulator, low cost, general purpose, design, fabrication and appl. 2—13183
future problems for teachers 2—13202
graph theory programme *(Russian)* 2—13534
introductory UART experiments for a microcomputer course 2—13188
Microelectronics Center of North Carolina, educational and research program in computer science and ICs 2—8175
microprocessor learning system 2—23923
microprocessor-based product design, self-training course 2—23922
Summer Master of Engineering program at Clemson University 2—8178

computer selection *see computer selection and evaluation*

computer selection and evaluation
distributed minicomputer network, its implementation and evaluation 2—16142
local computer network selection criteria 2—26280
MC6809 as MC6800 and Z80 2—19719
multiterminal reliability analysis of distributed processing systems 2—4688
priority service and random server interruptions, Poisson arrivals 2—4734

computer software
not used for applications software for which see specific applications
see also programming; systems software
acquiring and preparing software for distribution by EPRI 2—27483
EWSD telephone switching system, programmed aids 2—10933
high level language standardisation for microcomputers *(Japanese)* 2—14156
real time digital data acquisition system for power system load charact. determ., software operation 2—17645
recent advances in software reliability methods 2—19053
user terminal design and technological development *(Italian)* 2—16178

computer storage devices *see digital storage*

computer subroutines *see subroutines*

computer testing
automatic diagnostic unit, using analogue multiplexer *(French)* 2—11348
Biomations K101-D logic analyser for computer testing 2—3043
disassembly of MC6800/6802 using logic analysers 2—19702
distributed processing digital switching system testing techniques 2—2634
field diagnostics generation for medium size computer 2—85
hierarchical specification of the SIFT fault tolerant flight control system 2—22676
IBM series/1 minicomputer for system verification and calibration 2—22109
integrated microcomputers, technological developments and design problems *(Italian)* 2—5246
microprocessor chips, diagnostic test clip and apparatus 2—19716
microprocessor testability techniques and recommendations 2—19728
network analysis using protocol, digital and analogue testing, data communication networks appl. 2—16212
oscilloscope interface for alphanumeric information 2—11528
railway signalling, microcomputer modules, ATE unit *(German)* 2—22078

computer typesetting *see computer-controlled typesetting*

computerised air traffic control *see air traffic computer control*

computerised communications control *see communications computer control*

computerised conferencing *see teleconferencing*

computerised control
see also chemical engineering computing; command and control systems; communications computer control; computer-controlled typesetting; computerised materials handling; control engineering computing; electrical engineering computing; industrial computer control; mechanical engineering computing; nuclear engineering computing; power system computer control; transport computer control
50 kVA PWM invertor motor drive, microprocessor controlled 2−12977
8080-based remote appliance controller 2−19746
AC power, microprocessor control *(Italian)* 2−5087
aircraft spot welding robot characts. *(German)* 2−4500
alpha-numeric indicator systems, 18-segment, controller using slave microprocessor *(German)* 2−17048
arc furnace electrode regulation using Rogowski coils for exact current measurement 2−23754
automatic hot slab handling crane in steel rolling mills, technical features *(Japanese)* 2−18837
automobiles, engine ignition and fuel injection system *(German)* 2−28197
biological impedances meas., automated microcomputer system appl. 2−7180
cardiopulmonary data-acquisition system, computerised control of stress rates 2−3459
chemical plant automation developments *(German)* 2−4550
cold storage equipment, using intelligent electronic controller, packaged system *(Japanese)* 2−13102
computer-aided engineering of microprocessor application systems 2−663
control course laboratory procedure, approach to microprocessor incorporation 2−13189
convertor-fed induction motors control and tuning by microprocessors *(Flemish)* 2−23286
cooling channel, long distance, temp. control using microcomputer 2−3757
cycloconvertor, microcomputer control, reduction of output freqs. from single-phase supply, thyristor bridge config. 2−23375
DC drives, interfaced with microprocessor systems for speed control *(Italian)* 2−12970
DC electric drives, speed control by microprocessor *(Czech)* 2−28141
DC motor microprocessor-based velocity control, training programme *(German)* 2−18262
DC motor six-pulse reversing armature supply, microprocessor appl. as control and logic element 2−18273
DC motor speed control using microprocessor, model reference adaptive control theory appl. 2−12658
d.c. reversible drives, synchronisation control using microcomputer controller 2−12966
dedicated-microprocessor scheme for thyristor phase control/ of multiphase convertors/ 2−4288
differential spectrometer, high precision, for quantitative exam. of surfaces 2−17149
DIGIKON-GRAPHICON picture analyser unit, Z-80 microprocessor control, accuracy, resolution appls. *(German)* 2−26802
digital computer control 2−18032
domestic heating regulation, microprocessor-based control, economics *(French)* 2−4473
dye laser fine tuning, numerical control unit aids microcomputer in control *(German)* 2−1987
electric drives, microprocessor control appls. *(German)* 2−18628
electrical drive control using microprocessors *(German)* 2−4394
electron lithography system, computer controlled, for LSI, VLSI and VH SIC *(Slovak)* 2−9706
energy control system at Oxford hospital 2−18625
equivalent circuit model performance with PWM invertor waveforms 2−18246
escalators and moving sidewalks, microprocessor appl. *(German)* 2−13008
grinder control in a magazine paper mill 2−8123
Hi-Fi, microprocessor-based control system *(German)* 2−11276
ignition K580 microcomputer-based control system *(Russian)* 2−3888
imaging system, microprocessor-controlled, displays free falling object in stop action 2−2966
impulse voltage generator automatic control system *(Finnish)* 2−27997
in-service inspection using data acquisition and processing system *(Japanese)* 2−16881
induction motor drive PWM invertor, microprocessor-based control system with I/O processing unit LSI 2−12759
injection moulding machine microcomputer-based system *(German)* 2−4552
injection moulding microcomputer-based system *(German)* 2−4551
injection moulding microcomputer-based system 2−4553
injection moulding microcomputer-based system 2−4555
integrated communication and control systems, and microprocessor controlled displays 2−22170
inverter-fed synchronous motor, microcomputer controlled 2−18187
invertor-fed synchronous motor, microprocessor control 2−7831
K580 microcomputer for automobile antilock braking control *(Russian)* 2−4405
K580 microcomputer for automobile antilock braking control *(Russian)* 2−4406
K580 microprocessor for thyristor-driven electric locomotive DC traction motor *(Russian)* 2−4404
Kraft recovery boiler, computer control of sootblowing 2−12498
MACSYM-20 system 2−22049
microcomputer controlled step-and-repeat camera for undergraduate laboratory use 2−9717
microcomputer-based commutation failure-free control system for the cascaded rectifier circuit 2−18333
microcomputer-based data acquisition, display, and control system for vestibulo-spinal Hoffmann reflex experiments 2−11398
microcomputerised control, HVAC and lighting energy use 2−23735
microprocessor based environmental control system for a severely limited quadriplegic 2−17402
microprocessor control of PWM inverters 2−12713
microprocessor control of TIG welding system 2−28288
microprocessor control under various inertia loads 2−12680
microprocessor controlled systems, control and drive logic IC's appl. *(German)* 2−19612
microprocessor-based AC drive characts. *(German)* 2−28151
microprocessor-based balance 2−26745

computerised control continued
microprocessor-based boiler control system, consultation with plant's operators 2−27701
microprocessor-based control sytem for a near-term electric vehicle 2−18736
microprocessor-based convertor fed self-control synchronous motor starting scheme 2−18196
microprocessor-based residential heating controller 2−4476
microprocessor-based welding robot programming *(German)* 2−4515
microprocessor-controlled multicentral air-conditioning systems *(Japanese)* 2−13096
Minolta spotmeter-M, exposure calculation meter *(German)* 2−3155
'Motronic' microprocessor controlled fuel injection, ignition timing system *(French)* 2−13046
MS-1814R room air conditioner, using energy saving ccts., microprocessor control *(Japanese)* 2−13098
MSI/LSI mask making system, step and repeat camera controlled by minicomputer 2−9718
Nakamichi 700 ZXL cassette tape recorder, characts. 2−11287
National NV-7000 E video recorder, MN 1400 VP microcomputer controlled *(German)* 2−2943
open winding microprocessor-based invertor fed, synchronous motor, performance anal. 2−18209
optoelectronic sensors for automation *(German)* 2−26857
packaged air conditioners, using two-wire control system, microprocessor control *(Japanese)* 2−13095
PE Band-Box electronic music generator, microcontroller peripheral system 2−26667
photovoltaic cells, optimal power generation, microprocessor control *(French)* 2−1799
plate bending machine, programmable position control system *(Portuguese)* 2−4496
power electronics using microprocessors for control and supervision *(German)* 2−23667
power factor controlled by single-chip computer/ *(German)* 2−4114
power in the maritimes and Atlantic Canada 2−27597
power MOSFET current source invertors, microcomputer controlled 2−18358
power supply voltage, GPIB characts. *(German)* 2−13945
power system protection, reliability *(Russian)* 2−19041
printing, air ink jet printer controller 2−21051
printing, characts. *(Russian)* 2−28306
programmable manipulator handling system for testing small batch sizes of product 2−4637
PWM invertor, microprocessor-based controller 2−12730
PWM invertors, digital control by microcomputer, induction motor speed control appls. 2−18363
PWM power transistor invertor for AC elec. vehicle drive, computerised controlled 2−18351
radioheliograph at Nancay *(French)* 2−6879
radiopharmaceuticals, automatic dispenser and preparation units 2−27156
railways remote monitoring and remote control equipment, Stuttgart region (West Germany) *(German)* 2−3091
rationalisation with AWAG *(German)* 2−16233
recovery boilers, computer controlled soot blowing system, experience 2−12500
reluctance motor invertor-driven drive, microprocessor control and system response 2−18646
retrofitting supervisory control and data acquisition systems with microprocessor-based communications processors 2−16878
robot position control using TV image processing 2−21988
rolling mills computerised burner control system *(German)* 2−28264
serial communication line adapter decoder using programmable logic arrays 2−6403
series/parallel data transmission for microprocessor control of rail vehicles *(German)* 2−26436
single phase to single phase cycloconverter, microprocessor controlled 2−23377
solar house, Raytheon solar climate control system 2−18770
space heating and air conditioning microprocessor control systems 2−13086
squirrel cage motor traction using a microprocessor controlled transistor inverter 2−13027
star connected multipole four phase reluctance motor microprocessor-controlled system 2−23280
static convertor driven by microprocessor, optimisation of photovoltaic solar pump 2−23378
static inverters, microprocessor control *(Spanish)* 2−23371
steam turbines, digital governor using microcomputers 2−3942
step motor selection parameters, appl. with open and closed loop digital control systems 2−4247
stepper motor stop phase control 2−4243
stepping motor, four-phase, using 8080 microprocessor *(Italian)* 2−7878
stepping motor KIM-1 microcomputer based velocity control system 2−12671
stepping motor microprocessor based speed and torque control system 2−23326
stepping motors flexible LSI control *(German)* 2−23319
superconducting rectifier, microcomputer control 2−1672
synchronous data transmission, byte oriented protocol *(German)* 2−21545
telephone touch tone decoder for remote control 2−16231
thermonuclear fusion research, computer control and instrumentation 2−16829
three phasemotor control using ursalog 5010 stored program control equipment, rolling mill appl. *(German)* 2−12965
three-phase controlled rectifier bridge, microprocessor based controller 2−13973
thyristor controlled AC loads, interfacing digital circuits 2−9131
underwater technology research development, unmanned remote-controlled submersibles, Zz 2−22092
US plethysmograph, microprocessor-controlled, limb cross-section area meas. 2−3480
use of microprocessors and computers in office administration, automobiles and domestic appliances *(French)* 2−28202
use of microprocessors for optimal time on and off switching of heat and air conditioning plant *(German)* 2−23763
variable frequency 3-phase invertors, implementation of microcomputer for control cct. 2−12728
Video 2×4 Super video recorder, Grundig, microcomputer controlled *(German)* 2−11234

computerised control continued
voltage source invertors, gate signals generation using microprocessor 2−12729
wave power, PORPISE, the buckling resonant raft 2−27808
wheelchair, microcomputer controlled omnidirectional mechanism 2−17403
writer recognition by analysis of handwriting images 2−26156

computerised industrial control *see industrial computer control*

computerised instrumentation
see also astronomy computing; automatic test equipment; biology computing; chemical engineering computing; chemistry computing; computerised monitoring; computerised spectroscopy; computerised tomography; electrical engineering computing; electronic engineering computing; geophysics computing; nuclear engineering computing; physics computing
7.1 GHz automatic frequency counter, using microprocessor control *(French)* 2−17014
8-bit microprocessor-based for telegraphy and signal processing, evolution 2−26754
32-channel minicomputer-based system for measurement signals acquisition and processing, hardware and software *(Czech)* 2−26788
120 channel HV regulator, DATEP, for gamma detector photomultipliers 2−17310
6502-based freq. counter characts. 2−11778
6522-based potentiometer digitiser characts. 2−9239
9303 RF level meter, Racal-Dana 2−16780
A/D conversion error correction algorithm 2−26843
AC arc discharge instability measurement, microprocessor based measurements 2−11360
AC circuit parameter measurement 2−17062
AC magnetic props. meas., by bridge technique *(Chinese)* 2−17106
Achilles tendon reflex meas., microprocessor-based instrument 2−11898
acoustic assessment of fish stock, using microprocessors as target classifiers 2−27295
aerospace industry test methods advances, conf., Indianapolis, IN, USA (April 1981) 2−22654
AI-4096 multichannel analyzer, circuit for generating and displaying tags 2−16796
AI-4096 multichannel analyzer, preliminary processing of experimental data 2−16795
aircraft turbine engine emission meas., sampling, analysis and data reduction problems 2−22432
analogue interface design for microcomputers 2−19697
analogue signal generator, microcomputer controlled 2−9015
analogue waveform display on CRO, single line of alphanumeric characters, microcomputer character generation 2−16852
analytical, microprocessor-based signal processing module 2−3099
animated cartoons, computerized drawing device for line changing *(Russian)* 2−22081
Anoscan Large Precision Measuring Machine 2−22076
Apple II digital storage oscilloscope 2−22291
arrhythmia monitoring system, computerised dynamic 3D joint interval histogram display 2−27180
attenuation standard, automated precision piston attenuator for RF and microwave instruments calibration 2−11369
automatic apparatus for metal internal friction and elastic modulus temp. characts. determ. 2−5040
automatic measuring instruments for microwave and radio frequency equipment *(German)* 2−26749
automobile electronics, Siemens single-chip computer appl. *(German)* 2−13044
automobile industry, computer-based length meas. system *(German)* 2−11625
automobile meas. system, portable *(German)* 2−4441
avionic systems microcomputer-aided maintenance 2−12015
balance, electronic, Delta Range series, laboratory automation 2−3285
betatron electron energy control and stabilisation system 2−27010
biomedical TV-computer system for automated reading of the multipoint inoculated antibiotic sensitivity test 2−3473
blood analyser, PHA-1 programmed automatic unit 2−3458
bridge cable tension meas. by microcomputer based instrument using microtensor induced vibration method *(Japanese)* 2−11631
bubble chamber images, computerised track and bubble density meas. system 2−11845
building acoustics analyzer type 823, micropocessor controlled 2−26742
calibration of power meter, using quadrature-current reference, current-comparator-based 2−12321
CAMAC, logic state analyser 2−17309
car headlamps testing, using SP/99 Soft Power microcomputer *(Italian)* 2−22061
car noise evaluation, digital equipment for real time sound intensity meas. 2−26751
cardiac electrophysiology instrumentation, microcomputer based data acquisition systems 2−11946
cardiac stimulator, for investigating atrial and ventricular vulnerability *(German)* 2−11921
CEL 160 chart recorder, appl. to noise measurement *(German)* 2−3189
Chalk River dating facility using MP tandem accelerator 2−11700
chart recorder with microprocessor, DMR 7800 2−17031
chemical microcomputer-based laboratory data acquisition systems 2−4554
chemical microprocessor-based instrumentation interfacing 2−4553
clinical medicine appls. of microcomputer based measurement 2−17340
CMOS microprocessor based system, description and flow meas. appl. 2−11378
CNEA 20UD tandem accelerator, microcomputer based communication system 2−11740
communication aids for the severely physically disabled, design considerations 2−11953
computer-based vibrating string weighcells *(German)* 2−11641
computer-lased product testing, new equipment requirements 2−69
CRO, digital processing front end for storage capability, microcomputer interface 2−17012
crystal growth, microprocessor-controlled system, design and implentation 2−13811
curve digitizer, microcomputer-controlled 2−9197
cycle-ergometer for generating dynamic work rate stimulus 2−3454
Data 6000 waveform analyser 2−3101
data acquisition system 2−16883
data acquisition system for respiratory signals 2−17337

computerised instrumentation continued
data logger, microprocessor based for measurement of temperature stress of catalysts in vehicles 2−26794
data logging in small wastewater treatment facility 2−11400
data receiver-processor, high-speed ESR spectroscopy appl. 2−11373
data recorder, software design 2−22057
data recorders, microcomputer-controlled video cassette-type, appls. 2−7132
data recording instruments, microprocessor-controlled equipment, 'W+W' 400 type, use of Z80 central processor *(German)* 2−26877
data-logging system based on the Intel 8748 single-chip microprocessor 2−7054
Daton 1061/1071 digital voltmeter range with microprocessor control, high accuracy/resolution *(German)* 2−26874
DC ocular rheography, microprocessor-controlled differentiator for signal processing 2−11927
defibrillator analyser, microprocessor-based, precision calibrator and tester appl. 2−11968
dielectric frequency domain spectroscopy system, computer-controlled, using sampling oscilloscope 2−22068
digital analysis system for simultaneous recording of fast and slow data streams *(Dutch)* 2−26786
digital displacement transducer using pseudo-random binary sequences and a microprocessor 2−22261
digital measuring instrument for operating mechanisms 2−16778
digital multimeters and bridges, microprocessor based, review 2−22079
digital readout devices, appls. 2−3213
digital signal generator for low distortion waveforms of precise frequency, microcomputer based 2−9014
digital synthesizer LSI for FM/AM receivers, computer controllable 2−6913
digital temp. control and meas. system with temp. resolution of 1 mK 2−17159
digital voltmeter, autoranging, without range resistors 2−17017
diode conductance and capacitance meas, computer-assisted system using phase sensitive technique 2−22075
distribution networks, frequency of occurrence and magnitude determ. using automatic counter *(Slovak)* 2−3041
DL Micro 4, digital signal analysis and waveform processor 2−16779
DLTS, C(u) and C(t) meas. appl. to study of interface props. of GaAs MIS capacitors 2−20143
DMM 4040 microprocessor-based digital multimeter, methods of meas. and facilities *(German)* 2−26873
document scanning using CCD arrays, dark current level compensation, automatic calibration using microprocessor 2−22156
drift chamber, multi-hit time-to-digital convertor system 2−17235
drift chambers, microprocessor-controlled readout system 2−17302
drift chambers, multiple time digitizers and trigger system 2−3389
drill analyser, microprocessor-controlled 2−16793
DVMs and DMMs, market survey and general review 2−17007
eight-channel transient recorder, microprocessor control, 'W+W' 400 type, thermal printing *(German)* 2−26878
electric motor drive position and speed microcomputer-based system 2−23241
electric permittivity meas. in frequency range 0.1 to 300 MHz 2−22071
electrical variables, conf. at Dubrovnik (Yugoslavia) (1981) 2−26753
electrical variables measurement, microprocessor-based instruments *(Italian)* 2−26708
electrochemical anal. 2−22342
electronic and electrical meas. and test instruments, conf., Ottawa, Canada (Sept. 1981) 2−11367
electronic control devices for particle detectors 2−17311
electronic counting scales, microprocessor appls. 2−26737
electronic counting scales, tool for precise inventory control 2−11636
electrophysiology, exptl., automated data processing *(Russian)* 2−27172
electrostatic accelerator control systems developments 2−11739
EMG-reward system for biofeedback training of children, automated 2−17399
emission testing of electronic instruments, computer-controlled 2−21132
energy conservation test facility, data acquisition system 2−22200
energy management using microprocessor-based data loggers 2−26793
excited membranes, exptl. meas. of ionic permeability, electronic and computing subsystems *(Russian)* 2−27167
exhaust gas analysis system, with self-contained data processing and automatic calibration 2−22096
experimental research appls. of intelligent measuring systems 2−16828
expiration characts. meas. and calc., using microprocessor-based analyser *(Bulgarian)* 2−3453
Fabry-Perot wavemeter, computer controlled 2−17146
fast fluorescence waveform averager, microprocessor-controlled 2−11362
fast measuring with microcomputers for on-line-weighing 2−22414
fault detection system, computer-controlled, for rotating and reciprocating machine 2−16809
femoral bone densitometry, autonomous apparatus *(French)* 2−22545
fibre optic iterative optical processor, microprocessor-based 2−20622
fishing gear computerised instrumentation, using hydrophones 2−27297
flight test instrumentation, conf., Geilo, Norway (Oct. 1980) 2−13158
flight test signal conditioning trends 2−17498
flight testing, microwave system for real-time position meas. 2−17132
flowmeter, influence of microprocessor 2−16904
Focus 5000 real time acquisition and control system, characts. *(French)* 2−22186
foetal ECG analysis, microprocessor-based signal averager 2−27186
frame count cueing system, computer-controlled, for film printing 2−22050
frequency counters, survey of available models 2−17009
frequency response, analyser instrumentation, microprocessor control, single sinewave stimulation, Solartron 1250 2−26717
gas flowmeter, post calibration using digital logic and memory circuits 2−3300
gear pitch error meas., spiral bevel type *(Chinese)* 2−16893
general-purpose interface bus, advantages and problems 2−3059
GP-IB bus compatible instrumentation, Tektronix TM 5000 range appl. *(French)* 2−26724
GPIB adaptor for use with instruments/systems with degree of analogue programmability 2−22052
heart rate variability and beat-to-beat intervals, microcomputer-based meas. system 2−17386
heavy nuclei fission expts. automation with TPA-i1001 minicomputer 2−7289

computerised instrumentation continued
Hewlett Packard model 8161A pulse generator for testing fast logic families 2—16994
HF liquid conductivity and permittivity 2—22351
HF radio wave direction of arrival measurement, automated equipment 2—21086
high energy physics experiment, FAMP multiprocessor system appl. 2—17292
high-energy physics techniques, NATO Advanced Study, St. Croix, US Virgin Islands (July, 1980) 2—13163
high-resolution weather satellite pictures, image display, testing and alignment 2—26783
hot-strip mills, steel plate profile meas. using X-ray thickness gauge 2—26750
HP8409A semi-automatic network analyser for low loss 2-ports, accuracy enhancement program 2—3265
HP 19860A digital signal memory *(German)* 2—26719
HP 3054DL data logging system 2—7049
HP Model 3054A automatic data acquisition/control system 2—7005
HP Model 3497A data acquisition/control unit, plug in assemblies 2—7051
HP model 3497A data acquisition/control unit, versatility and capability 2—7050
HP model 4192A LF impedance analyser with gain-phase meter 2—16792
HP model 47210A capnometer for CO_2 analysis 2—17351
human brain, neuron activity dynamics hardware-software complex *(Russian)* 2—27170
human sensory-motor reaction time measurement for performance anal. using apparatus with embedded microcomputer systems *(Japanese)* 2—27123
HV pulse monitor system for flash-chamber neutrino detector 2—27080
IEEE 488 bus instrumentation, controllers, interfaces and equipments 2—26718
IEEE-488 test measurement line, Tektronix TM 5000 series, simplified integration and software 2—22051
image digitiser, industrial appl. 2—22276
image processing system, coordinate measuring table, microcomputer control *(German)* 2—11354
image processing with acoustic microscope with IEEE 488 bus *(French)* 2—16854
induction motors, slip measurement method with digital information processing *(German)* 2—12644
industrial weighing, computer control 2—7224
instrumentation magnetic tape recording: an overview 2—26714
intelligent data acquisition for road driving 2—26894
intense pulsed neutron source, scattering instruments, data acquisition system 2—7296
interfaces in computerised measurement systems 2—16827
interfacing to IEEE 488 bus, use of 9914 GPIB adapter 2—7026
intermodulation meas. using microcomputer, based on stochastic method 2—17113
intracranial pressure, microprocessor-based monitoring and trending system 2—7312
intracranial pressure recording, microprocessor based analyser 2—27124
ion implantation control, pulsed CV system 2—5670
isotropic pattern antennas, synthesized, for EM field meas. 2—21234
Iwatsu oscilloscope with digital storage *(German)* 2—26872
K-band analysers, for FET measurement 2—22373
Kjeldahl N_2 analyser, microprocessor-controlled 2—7011
large motor performance testing facility 2—16836
laser interferometric measurement and computerized evaluation of ultrasonic displacements 2—11339
laser transit anemometer with 5 ns correlator processor, for wind tunnel meas. 2—11994
laser velocimeter with microprocessor controlled positioning, subsonic wind tunnel appl. 2—22621
laser-Doppler speed measuring system with microcomputer *(Dutch)* 2—7237
LCD indicators contrast and colour difference meas. *(German)* 2—3054
LED dark adaptometer, microprocessor-controlled 2—27145
LEYTAS, use in analytical and quantitative cytology 2—27134
light measuring equipment, using microcomputer *(Japanese)* 2—7014
limb movement monitoring, US microprocessor-based system 2—17360
line concentrators testing and operation, K 1510 microcomputers in remote data processing *(German)* 2—16816
line-gauge calibration, automatic system *(Italian)* 2—26709
LSI linewidth meas., improved critical dimension measurement with computer aided automatic fine focus 2—14948
machine tool flatness control, minicomputer appl. 2—23832
MACSYM-20 system 2—22049
many-parameter display, through microprocessor wave generation 2—22176
measurement, control and evaluation of cryothermal test with a large IBM computer 2—22425
measurement error freq. response 2—26698
measurement system design, microprocessor based 2—16832
mechanical measuring using digital techniques 2—11361
medical, microcomputer-based, lab for course 2—13201
medical digital vascular imaging system 2—3475
medical system for determ. of reaction time, movement time and movement accuracy 2—3493
microcomputer, large storage technology and data communication in Germany *(German)* 2—7002
microcomputer—coupled measurement systems, thermal variable example *(German)* 2—11357
microcomputer based clinical evoked response system 2—7337
microcomputer based measurement systems 2—16826
microcomputer for HV equipment dielectric loss meas. 2—22361
microcomputer system, real time data acquisition and analysis of neuromuscular bioelec. events 2—17387
microcomputer-based data acquisition, display, and control system for vestibulo-spinal Hoffmann reflex experiments 2—11398
microcomputer-based IR telecontrol system *(German)* 2—7096
microcomputer-based reaction ratemeter 2—4555
microcomputer-based system, evolutional synthesis 2—26797
microcomputer-controlled system for automatic acquisition of kinetic data of gas uptake at constant pressure 2—8121
microcomputers, growth limits 2—26796
microcomputers in measurement, conference, Dubrovnik, Yugoslavia, 28th Sept.-3rd Oct. 1981 2—13148
computerised instrumentation continued
microdensitometers, computer controlled, coordinate error investig. *(Russian)* 2—3036
micromeasurement system for submicron geometries, fully automated, IC appls. 2—3057
microprocessor based environmental control system for a severely limited quadriplegic 2—17402
microprocessor based frequency synthesiser system for TV receivers 2—16612
microprocessor based system for background EEG activity analysis 2—17388
microprocessor driven ultrafast multichannel event counter 2—17297
microprocessor systems for 'SMARTIE' 2—3628
microprocessor-based, self-diagnostic testing method 2—22193
microprocessor-based beam sweep control unit 2—7254
microprocessor-based Doppler sonar current profiler 2—3625
microprocessor-based instrumentation 2—18825
microprocessor-based logger for ship and shore data acquisition 2—3215
microprocessor-based oceanographic system 2—3630
microprocessor-based pick-ups transfer charact. *(German)* 2—11314
microprocessor-based remote subsea equipment 2—3629
microprocessor-based thermometers for cryogenic temp. meas. *(Russian)* 2—11654
microprocessor-based transducer charact. *(German)* 2—11475
microprocessor-based transponder charact. 2—2853
microprocessor-based weighing system 2—11639
microprocessor-controlled apparatus for the measurement of energy fluctuations of optical sources 2—22505
microprocessor-controlled photo-thermoplastic device for holographic filter recording and positioning 2—15572
microprocessor-controlled reclosure test facility 2—28070
microprocessors for presentation of sidescan sonar data 2—3631
microprocessors in measurement 2—16831
microprocessors on data buoys 2—3627
microscopes, capabilities extension electron and optical, micro computers appl. 2—5525
microwave, minicomputer-based system charact. 2—22379
microwave freq., microprocessor-based system 2—22360
microwave measurement accuracy enhancement via distributed microprocessing 2—3264
microwaves scattering meas. in parallel-plate configuration, minicomuter-controlled 2—22371
Mk. 5 OMD, microprocessor based oil mist detection system 2—22073
MM wave frequency measurements using computer, harmonic mixer, LF counter, microwave synthesizer *(German)* 2—16805
mono-chip timing generator for use with pressed NMR spectrometers 2—24629
multi channel event-counter/timer 2—3421
multi-scalar system 2—17231
multidimensional, production gauging, Machsize M^3 2—22072
multimeters incorporating microprocessor for automatic calibration, Autocal system *(German)* 2—26875
Munich MP-tandem accelerator improvements 2—11729
MWPC with cathodic read-out, acquisition and calibration electronics 2—27082
network analyser, automated, using air-line references 2—11416
network analyzer, impedance meas. for FM/TV broadcast antenna system 2—22206
network analyzers, linear two-port network scattering parameter and noise parameter meas. 2—26807
neuromuscular blockade monitor, microprocessor-based 2—11885
neuron membranes computerised investig. of volt-amp and inactivation charact. of ionic channels *(Russian)* 2—27171
NMR magnet regulator cct., search and lock regulation circuitry for accelerator bending magnets 2—11866
NMR spin-warp imaging, microprocessor-controlled instrumentation 2—22067
noise filters, self-optimised, microprocessor-controlled, for random pulse counting 2—22207
noise insensitive determination of process data using a new digital correlator *(German)* 2—22438
noise temperature meter, microprocessor-controlled 2—11372
ocean technology electronics, conf., Birmingham, England (Sept. 1981) 2—18865
oceanographic conductivity-temperature-depth telemeter, microcomputer controlled 2—22739
oceanographic data buoy system, using CMOS microprocessors 2—22738
oceanographic microprocessor-based data logger 2—3626
offshore microprocessor-based US device 2—3304
Omega automated laser control and data acquisition 2—1924
on-line system for track chamber film anal. 2—27073
optical fibre transfer function meas., frequency-domain, using microcomputer controlled system 2—11418
optical waveguide switch, N×M planar, for computer communications 2—11090
OPTOMATION II—an electronic vision system of the now generation for production inspection 2—8297
orthogonal array antenna system, broadband, microprocessor-controlled, for EM interference meas. 2—21245
oscilloscope, automatic programmable, HP 1980 A/B, technical and operational charact. *(Italian)* 2—7124
oscilloscope with digital waveform processing 2—17037
oscilloscopes, review of equipment in the 35-100 MHz range 2—22310
parameter identification from impedance measurements on electrochemical reactions 2—22350
particle detector 'crystal box', intelligent trigger processor 2—11864
particle size distribution measurement, computer controlled *(Dutch)* 2—26743
passenger multiplexing service system for Boeing 767, in-plane and on-ground test equipment 2—12034
PCM switching system analogue data channels testing 2—16281
pen recorders, X-Y plotters, description of new models 2—17022
PET-based A/D convertor 2—11420
phase anal. of short pulses rel. to time meas. accuracy, minicomputer appl. 2—11533
Philips PM6673/6 frequency meters with microcomputers *(German)* 2—17008
photometry, computer-controlled, with X-Y plotter, for large-screen display resolution meas. 2—3074
photomultipliers gain regulation system using LED and optical fibres 2—17236

computerised instrumentation continued
physiological microcomputer-based time interval meas. 2−26971
piezoelectric vibration/press. transducers, programmable signal conditioners, data acquisition system appls., interface with lab. computer 2−11426
power cable short-circuit temp. meas. 2−22424
power plant performance meas., online instrumentation development 2−17786
pre-launch missile data recording and display, solid-state data extraction unit 2−22198
pressure electronic scanner, microprocessor-controlled, for installation in wind-tunnel models 2−11992
program structure and operation philosophy of microcomputer based electronic measuring devices *(German)* 2−11355
programmable automatic oscilloscope and automatic testing *(Japanese)* 2−11520
Q-factor meas. method 2−11370
QDS gauge control system 2−7012
radar system, microprocessor-based, appl. to radio meteor radiant distribs. imaging 2−26566
radio-chromatographic TLC tests, linear analyser and Beta camera developments 2−3396
radiometric equipment, microprocessor applications *(Bulgarian)* 2−26716
radiopharmaceuticals, automatic dispenser and preparation units 2−27156
railway signalling, solid-state interlocking using microprocessors, projected development by British Rail 2−18681
reentry environmental conditions forecasting, cloud particle effects determ., real-time processing 2−22659
refractive index meas. for bulk materials at UV, visible and IR wavelengths, computerised system 2−26747
resonant frequency and Q-factor meas., using minicomputer-based system 2−11377
resonator crystal equivalent circuit parameter computer-controlled test assembly 2−26741
respiratory deadspace, apparatus for automatic assessment 2−27118
rocket fuel burning meas., transducer test data evaluation with computer graphics 2−3547
rolling resistance, of wheels, on undulated soft ground, elec. automatic meas. *(Japanese)* 2−3056
roundness measurement, computerised instruments from Taylor-Hobson 2−16830
S/N ratio meas. system for speech codecs quality determ. 2−11371
saccadic eye movement disorders, quantitative evaluation 2−27115
scintillation counter, liquid, automation techniques development 2−3401
sea-bed measurement and logging using computerised techniques *(Swedish)* 2−26543
second- and third-order nonlinear optical susceptibility meas. system 2−25845
self-balancing AC bridge, connection to mini- or microcomputer for impedance measurement *(German)* 2−3216
self-balancing high-precision AC Wheatstone bridge for observing diffusion processes in electrolyte solutions 2−17045
semiconductor devices characts. meas., automatic modular expt. set-up using IEC-bus *(German)* 2−16821
semiconductor measurement data-base system 2−14951
semiconductor parametric testing 2−14950
sensor for meas. obstacles in below-cutoff waveguides 2−11603
sensor system for automation and meas., with image analysis processors 2−11340
shear modulus and internal friction meas. at very low freqs., programmable system 2−26733
shock meas. using CORRTEX system, nuclear explosions meas. appl. 2−22094
shower calorimeter, ADC correction and readout, CAMAC processor 2−17303
signal sources, market survey and review of types 2−16993
simultaneous deposition and ion implantation technique 2−5682
skew estimator method for alignment of troposcatter antennas and synchronization of master clocks 2−11368
skin sensitivity to spatiotemporal patterns, computer-controlled tactile matrix using piezoceramic transducers 2−26710
SMS programmable signal generator for frequency range 0.4 to 1040 MHz 2−26864
software structures for online data processing in measurement system *(Russian)* 2−26730
soil moisture meas., microprocessor-based instrumentation 2−22095
solar cells, optical characterisation, computer-controlled instrumentation, spectral photoresponse, reflectivity, transmissivity, GaAs and stacked cells 2−22112
sonar, multibeam, with colour display 2−26549
sound signal processing equipment for frequency domain, computer-controlled *(Russian)* 2−22080
spark breakdown potential meas. in gas mixtures, microprocessor controlled method *(German)* 2−3248
spatial evaluation of cylindericity 2−22395
specific heat meas. system, automated 2−22069
spent fuel detector, portable, intelligent, for material safeguards 2−7294
sperm motility study apparatus, microprocessor anal. of scatt. laser light 2−27149
stabilometer, instrumented, for dynamic balance studies 2−27117
steam turbine flow and pressure meas. 2−27728
strain gauge, data acquisition system improvement *(German)* 2−7022
sweep tester for 0.1 to 1000 MHz with important additions 2−16903
systems and algorithms of instrumentation *(Japanese)* 2−11352
Tandar project, 20 MV electrostatic accelerator development 2−11728
tasks of computerized measurement in research and industry 2−16825
TC-7R-P, microprocessor controlled process calibrator from Haven Automation 2−6992
techniques, conf. at Dusseldorf, Germany 1980 2−11670
text-to-speech system, multi-language, for the disabled 2−17400
theory and trends 2−26696
thermonuclear fusion research, computer control and instrumentation 2−16829
time-domain reflectometry automated, using stroboscopic convertor, accuracy increase 2−3053
torque magnetometer, microcomputer-controlled for on-line data analysis 2−22070
TR4172 spectrum analyser, using microprocessor controlled network analyse r 2−7010
transient analysis from chemical system, 6800 based system *(German)* 2−7001

computerised instrumentation continued
trends in development in 1980s 2−7017
TV deflection coil magnetic field measurement, using P855 minicomputer 2−17109
TV monitored system for recording open-field activity in the rat 2−21985
two-axis diffractometer for synchrotron X-rays at DORIS 2−22511
two-phase flow meas., microprocessor-based instruments 2−16835
ultrasound multiplexed Doppler microcomputer combination as noninvasive blood flowmeter 2−27160
underwater metal detector, microprocessor controlled, for use on unmanned submersible 2−22262
underwater tension meter for trawl warps tension meas. 2−26755
US multichannel pulsed Doppler blood flowmeter, minicomputer-based 2−11918
US plethysmograph, microprocessor-controlled, limb cross-section area meas. 2−3480
US testing, submerged, automation *(French)* 2−17618
user interface problems and solutions 2−22086
vector analyzer measures phase, impedance and group delay from 10 Hz to 50 MHz 2−16807
vehicle instrumentation, microcomputer appls. 2−13042
very short cycle loss measurement by microcomputer 2−3241
vibration testing using random-process digital simulator 2−16802
video recorder, Grunding Video 2×4 Super recorder *(German)* 2−6940
visual grating displays, computer-controlled function generator 2−26772
voltmeters, ohmmeters and ammeters, minicomputer calibration 2−22089
wave profiling system for surface effect ship 2−22743
weighing standardisation and legislation, impact on production and quality control 2−22413
weld defects inspection, automatic data recording and processing system 2−23020
wheelchair, microcomputer controlled omnidirectional mechanism 2−17403
Y-t recorder, microprocessor-controlled, for acoustic meas. 2−16810
CO_2 global atmospheric meas., using computer-based meas. systems 2−12080
SO_2 concentration meas. by lidar and computer 2−22744
Si, pressure sensor chips, improved accuracy by use of intelligent pressure transducer 2−11478

computerised manufacturing control *see manufacturing computer control*

computerised materials handling
see also goods dispatch data processing; logistics data processing; stock control data processing; warehouse automation
encoding principles 2−21300
industrial weighing, computer control 2−7224
undersea cables automated handling system 2−21727
Cu electrolytic tough pitch wire production, O content meas. and control 2−11459

computerised monitoring
6 GHz band SSB suppressed-carrier AM radio system with minicomputer based transmission surveillance 2−2683
aircraft event insertion panel and software for digital simulation 2−7372
alarm monitoring system with CPU control, contact sense multiplexer using TDM 2−16879
ambient temperature monitoring using microcomputer and thermistor transducers 2−16794
arc and induction melting processes, electrical energy consumption minimisation by microprocessor based control system *(German)* 2−18759
arrhythmia monitoring system, computerised dynamic 3D joint interval histogram display 2−27180
automation of existing hydroelectric power stations within the framework of their modernisation *(French)* 2−23160
automobiles and engines automatic testing, future trends 2−23723
cardiopulmonary data-acquisition system, computerised control of stress rates 2−3459
cardiotachometer, microprocessor-based, heart rate meas. in rest or exercise stress testing 2−3500
computational techniques for an electrical distribution and information control system 2−27480
decentralized TV-test and -monitoring system for Deutsche Bundespost 2−16806
dielectric partial discharge monitoring, electrical and acoustic detect. computer-controlled data acquisition 2−11399
diesel engine fuel management system, microprocessor-based 2−23155
diesel engine plants computer aided performance monitoring and diagnostic system *(Japanese)* 2−18045
digital system for monitoring power supply voltages 2−24573
electrical load management, monitoring and data processing 2−27421
electrical plant, condition monitoring using desktop microcomputer 2−18940
electrical quantities on industrial multiphase networks by microcomputer based system *(Italian)* 2−11342
electricity tariffs analysis and energy usage monitoring, microcomputer appl. 2−22800
electrocalorimetric apparatus for loss meas. in supercond. 2−17001
electron beam welding computer control 2−4525
EPIVIEW 2000 Model Ei 460 Interactive Data monitor 2−6615
ESS, Engineering and Administrative Data Acquisition System, Network Operations Report Generator software package 2−2608
eye monitoring and calibration algorithm 2−3451
eye monitoring system using IR corneal reflection 2−3452
fault tolerant techniques for power plant computers 2−23015
flow sensor, computerised, using photoelectric converting elements *(Japanese)* 2−16798
HP Model 3054A automatic data acquisition/control system 2−7005
hydroelectric power systems, centralised computer supervision and control 2−12531
incipient failure detection using HF acoustic emission technology on rotating machinery and process plants 2−12120
INTELSAT V Communications System Monitoring network, device independent software and hardware 2−17538
intracranial pressure, microprocessor-based monitoring and trending system 2−7312
laboratory data acquisition and processing, employing personal microcomputer system 2−11401
level control of liquids in crystallisation, microprocessor applns. *(German)* 2−7236
LSI processing and yield CTX 300 technical database and analysis system−missing link in the semiconductor information system 2−14955

computerised monitoring continued
microcomputer based system for metering, controlling and reducing electric power consumption *(Norwegian)* 2−27586
microcomputer circuit protection in substations, cost effectiveness 2−7941
microprocessor based energy management systems 2−27380
microprocessor based protective relaying, algorithms and systems 2−3799
microprocessor based three-phase transformer differential relay 2−27573
microwave interactions with physiological activities, microprocessor-based instrumentation 2−11891
multipoint monitoring systems, logical organisation of decoding structures *(Russian)* 2−2254
Navy machinery testing and monitoring, R&D approach 2−22142
new FFT-based digital frequency relay for load shedding 2−27574
Nuclear reactor safety, protective logic system *(French)* 2−7642
OPTOMATION II−an electronic vision system of the now generation for production inspection 2−8297
patient monitoring, research orientated microcomputer based system 2−11884
patient monitoring systems: criteria for evaluation and selection 2−22527
PCB drilling energy monitor, on-line system, signal generation for corrective action 2−9315
PE car computer with digital information display 2−26744
power system connections and dispatching problems, soln. 2−27385
power system monitoring activities, topology, observability and state estimation 2−3717
power transmission line fault distance computation by microprocessor from line impedance change *(German)* 2−27570
prototype of multiprocessor based distance relay 2−27575
rationalisation with AWAG *(German)* 2−16233
recent advances in monitoring dams 2−17797
relative humidity monitoring using microcomputer and thermistor transducers 2−16794
remote monitoring and communication of telemetry data 2−10821
rolling freight trains load monitoring control station *(German)* 2−23711
satellite Earth station automatic control and monitoring by microprocessors *(Italian)* 2−16433
satellite ground control system for INSAT 2−12052
semiconductor measurement data-base system 2−14951
steel industry, continuous slab casting process computer control 2−23793
substation transmission lines, integrated monitoring and control system *(Japanese)* 2−7500
sugar mill max. demand monitor 2−28310
telecommunication cable, underground, pressurised, flow and pressure monitoring 2−16318
telephone monitoring of an unattended computer-controlled experiment 2−22179
telephone service quality monitoring, 1A Service Evaluation System using minicomputer 2−6537
temperature monitoring and logging system 2−17163
TV transmitter performance monitoring, automatic video signal processing instrument with logging capability 2−22083
wind tunnel operating envelope optimisation, by automatic balance protection 2−22623
worldwide monitoring system against proliferation of nuclear weapons 2−3844

computerised navigation
automatic radio direction finder, description 2−26563
avionics system, Caravelle flying laboratory 2−12031
CW hyperbolic position fixing system, automatic microprocessor-based receiver 2−16530
Shuttle landing guidance system, precision spatial calibration 2−17495
Space Shuttle Orbiter avionics validation, process, meas. and control systems 2−17471

computerised numerical control
contouring NC, phase-locked DC servo system, processor appl. 2−13117
grinding, design *(German)* 2−4512
industrial robot, position control, Z80 microprocessor appl. *(German)* 2−4517
machine tool, diagnosis *(German)* 2−4502
machine tool for aircraft, development *(German)* 2−4501
machine tools, Petri net anal. *(German)* 2−4514
machine tools, programming *(German)* 2−4516
machine tools, programming and structures *(German)* 2−4513
Multiwire technology, combination of print-and-etch with computer-aided NC wire placement 2−8262
spark machining numerical control system using SBC-80 microcomputers *(German)* 2−20992
wire wrapping, CAD/CAM, numerical control 2−978

computerised pattern recognition
Arabic cursive scripts, syntactic method 2−2309
automated capsule inspection method 2−26655
core-line extracting algorithm based on maximal square moving (MSM) method *(Japanese)* 2−15932
crack detection by digitised video image processing *(German)* 2−6947
EEGs, clinical, automatic adaptive segmentation 2−3491
encoding principles 2−21300
fast two-dimensional image recognition systems, problems of microelectronics 2−788
filmed radar echoes, automated tracking using PEPR system 2−21866
forensic handwriting anal. 2−2394
fusion reactor materials inspection 2−8294
hierarchical nonparametric classification strategy for discriminating EEG patterns of higher co- rtical functions (HCF) 2−7336
hybrid optical-digital image processing with optically generated filters 2−10718
image processing, hybrid optical-digital, using pattern recognition methods for correl. signal evaluation 2−2391
image segmentation, as classification problem *(Dutch)* 2−21385
microprocessor based single board computer for high-energy physics pattern recognition 2−17291
nuclear fuel reprocessing facilities, online computer system for continuous criticality 2−7692
nucleon decay detector, data acquisition and triggering system, pattern recognition 2−17307
periodic pattern defect detect. system using omnidirectional spatial filter, computer processing 2−24018
pipeline distributed processing system for real time pattern recognition applications 2−8905
plastic track detectors, pattern recognition computing 2−17290
real-time adaptive contrast enhancement 2−15907

computerised pattern recognition continued
reliability prediction method investigation, through statistical pattern recognition *(Hungarian)* 2−8311
spray droplet sizing system using television camera and minicomputer, pattern recognition procedures 2−21986
superconducting junctions, used for low temp. ultra-fast computing 2−1607
tissue signature identification anal. of nuclear medicine images, texture anal. of uniform fields 2−11916
vectorcardiograms interpretation through artificial learning, VITAL 2−27192

computerised picture processing
see also computer-generated holography
3D raster graphics, VLSI-oriented design, pixel planes 2−3086
acoustic image processing by two-dimensional digital filtering 2−26148
acoustic imaging techniques for nondestructive testing 2−8897
aerodynamic testing appl. 2−22622
automatic inspection system, using multiple 8085 microprocessors 2−8298
bioimage digital processing techniques *(Italian)* 2−17331
cardiac gated scintigram analysis using digital boundary detect. techniques 2−7317
cardiac isotopic image processing 2−3486
coded grating method for measurement of 3-dimensional shapes *(Japanese)* 2−21368
computer generated images, used for simulators, training aids *(French)* 2−11986
core-line extracting algorithm based on maximal square moving (MSM) method *(Japanese)* 2−15932
crack detection by digitised video image processing *(German)* 2−6947
diagnostic X-ray exposure factors, microcomputer calculated, clinical evaluation 2−27165
DIGIKON-GRAPHICON picture analyser unit, Z-80 microprocessor control, accuracy, resolution appls. *(German)* 2−26802
digital counting of objects in unit area of image, automatic detection of phases and textures *(Polish)* 2−15923
digital fluoroscopy for injecting contrast material into arterial system 2−27166
digital image processing, dynamic programming appls. 2−2371
digital image processing for detection of military vehicles 2−26161
digital image processing system performance 2−7056
digital processing of photographs 2−15956
encoding many-valued logics appl. 2−15851
engineering drawings, extraction of line structured data 2−21381
facsimile system, image processing, microprocessor control of scanning/compressing by specification of scan/print lines 2−21482
fast even discrete sine transform, with offset 2−6465
film reproduction improvement in TV by adaptation of system parameters by electronic means *(German)* 2−26649
filmed radar echoes, automated tracking using PEPR system 2−21866
forensic handwriting anal. 2−2394
graphics, Watkins' algorithm 2−431
halftone images, automatic processing 2−15930
high performance raster scan displays 2−16833
high-precision optoelectronic picture scanning by means of a precision mechanical instrument *(Hungarian)* 2−10375
image analysis, digital techniques and appls., scanning formats, signal preprocessing *(Japanese)* 2−10713
image data processing system, Mitsubishi Electric product 2−21488
image processing, hybrid optical-digital, using pattern recognition methods for correl. signal evaluation 2−2391
image processing with acoustic microscope with IEEE 488 bus *(French)* 2−16854
image reconstruction from holograms by using trigonometrical function 2−21390
image samples from scanning systems, modified cubic B-spline interpolation 2−26120
image segmentation, as classification problem *(Dutch)* 2−21385
INCOS automatic product inspection system using computerised picture processing *(German)* 2−4676
inspection, image analysis and robotics appls. 2−6950
Landsat, reception and processing of multi-optical scanner data *(Japanese)* 2−12093
LANDSAT MSS data, geometric correction, land cover classification and change detection 2−27263
man-computer communications, conf., Waterloo, Ont., Canada (Jun. '81) 2−2504
man-computer communications, conf., Waterloo, Ont., Canada (Jun. '81) 2−10835
medical angiography intravenous 2−3467
medical digital processing in SCOLIOSIS *(Italian)* 2−15875
medical digital vascular imaging system 2−3475
metal, synthetic aperture US imaging 2−8898
microprocessors interacting with shared resources, simulation for image processing system 2−6469
microscope image, surface and circumference of objects, television methods of measurement *(Polish)* 2−15924
microscopes, capabilities extension electron and optical, micro computers appl. 2−5525
object internal spatial struct. reconstruction from integral projections 2−15957
optical information parallel processing, production processes control *(Bulgarian)* 2−6466
picosecond framing technique using a conventional streak camera/ 2−3082
radioheliograph at Nancay *(French)* 2−6879
raster-scan displays updating, VLSI architecture 2−16850
robot vehicle, slit code detection method for position measurement *(Japanese)* 2−17131
run code, conversion to chain code 2−21367
satellite image data system design guidelines 2−26487
sensor system for automation and meas., with image analysis processors 2−11340
shading corrector for TV cameras, microprocessor based 2−6930
small-computer digital image analysis system using image pickup equipment and optical microscope 2−16867
superresolving image restoration using linear programming 2−26149
surgical pathology, new instrument 2−27164
synthetic aperture radar image, two dimens. image spectrum determ. method 2−2819
teletext enhancements, picture coding 2−6635

computerised picture processing continued
TEXAC, digital radiography 2−3485
TV broadcasting, computerised image processing techniques 2−16566
TV transmitter performance monitoring, automatic video signal processing instrument with logging capability 2−22083
video image real-time adaptive contrast enhancement 2−15907
visual tracking in stereo by computer vision system using TV cameras 2−10724

computerised power station control *see power station computer control*

computerised power system control *see power system computer control*

computerised process control *see process computer control*

computerised signal processing
see also biology computing; computerised pattern recognition; computerised picture processing; medical diagnostic computing
8-bit microprocessor-based system 2−26754
16-bit digital signal-processing system for audio signals *(German)* 2−26691
32 tap delay line, microprocessor controlled 2−5167
adaptive Doppler processor implementation by spectral estimation 2−2359
Advanced Micro Devices 29500 digital signal processing family 2−16913
analytical instrumentation, microprocessor-based signal processing module 2−3099
Apple II digital storage oscilloscope 2−22291
ATE for electronic warfare systems, high-speed signal acquisition and processing 2−22128
bit resolution improvement 2−2357
brainstem evoked potential, appl. of Wiener filtering 2−11925
car noise evaluation, digital equipment for real time sound intensity meas. 2−26751
development system for Intel 2920, digital filter implementation example 2−24560
digital filtering, appl. of LSI/VLSI developments 2−15922
digital signal processing algorithms, implementation using microprocessors, conf., London, England (25 Nov. 1981) 2−13171
digital signal processing hardware 2−7059
DL Micro 4, digital signal analysis and waveform processor 2−16779
ECG, data-reduction algorithm for real-time anal. 2−22561
ECG, heart rate variability signal, comparison of methods for obtaining 2−3499
ECG serial comparison using statistical signal analysis 2−3502
ECG simultaneous noise filtering and data compression, computer algorithm 2−27188
EEG, rapid freq. anal., multiprocessor architecture 2−22562
EEG data reduction by autoregressive representation and discriminant anal. procedures 2−11924
EEGs, clinical, automatic adaptive segmentation 2−3491
electronic speech synthesis and speech recognition *(Danish)* 2−21311
fast number transforms, hardware and software schemes 2−21332
FFT processor, high-speed, design 2−2329
filter codec transmission parameter tests algorithms, results and lower bound estimates 2−21693
foetal ECG analysis, microprocessor-based signal averager 2−27186
full decision feedback phase-locked loop, microprocessor-based implementation 2−14035
high speed data modem using digital signal processor 2−2559
MB Electronics Inc. speech synthesis system 2−26101
medicine conf. Houston, TX, USA (Sept. 1981) 2−4580
Meteor radio-relay goniometer, computerised primary-processing scheme *(Russian)* 2−26414
Meteor radio-relay goniometer, software library *(Russian)* 2−26415
microcomputer−coupled measurement systems, thermal variable example *(German)* 2−11357
microprocessor and optoelectronics based packet switch for satellite communications 2−2759
microprocessor implementation of digital filters 2−14229
moisture meas. techniques development, problems and tendencies 2−7238
multiprocessor digital filters, bandwidth increase technique 2−14230
myoelectric signal, procedure for decomposition into constituent action pots. 2−27175
myoelectric signal, procedure for decomposition into constituent action pots. 2−27176
neurophysiology real-time measurements 2−6450
parallel and cascade microprocessor implementations 2−2338
processor interactions in multiprocessor digital filter algorithms 2−14231
quadratic functional half-plane minimisation 2−4695
radar signal processing, comparison of digital, CCD and SAW technologies 2−2829
radar target signature identification, appl. of EM scatt. technology and computation techniques 2−26534
realisation of digital signal processors 2−26128
robot position control using TV image processing 2−21988
satellite advanced onboard signal processor 2−16444
SDK 2920 kit 2−6444
small electric motor surface tangential vibration calc. and meas. 2−4254
speech synthesis, microcomputer techniques and developments *(Czech)* 2−6413
speech synthesis and analysis, IC application circuits *(German)* 2−14246
speech synthesis system using adaptive data modulation 2−21322
stochastic signal stream distrib. registration, anal. of histogram distortion *(Russian)* 2−3092
systolic arrays appl. 2−6459
transient acceleration signals, errors in computing velocity and displacement 2−3279
unattended transmitting station control from Milan RAI Centre *(Italian)* 2−16574
vectorcardiograms interpretation through artificial learning, VITAL 2−27192
Walsh spectrum measurement in natural, dyadic, and sequency ordering 2−26110

computerised spectroscopy
see also spectroscopy computing
colour centre laser conversion into high resolution laser spectrometer, computer control 2−25878
differential spectrometer, high precision, for quantitative exam. of surfaces 2−17149
DLTS, C(u) and C(t) meas. appl. to study of interface props. of GaAs MIS capacitors 2−20143
ESR, computer-controlled high-speed data receiver-processor 2−11373
field emission thermal desorption spectrometer, microcomputer-controlled 2−27100

computerised spectroscopy continued
Fourier transform dielectric spectroscopy utilizing real-time operating system, permittivity meas. appl. 2−11588
Fourier transform NMR spectra, accumulation, signal-to-noise ratio 2−7067
gamma-ray spectrometer, data acquisition system 2−7306
high resolution, double focusing mass spectrometer for organic analysis, design and performance *(Chinese)* 2−22508
microspectrophotometer, IR, computerised, for meas. of multiple film thicknesses, dopant conc. and impurity levels 2−17150
optical diagnostic system for UV and visible supersonic flow pulsed lasers 2−10326
peak-fitting program for analysis of Ge(Li) spectra and its application to non-destructive gamma-spectrometric determination of uranium in UO_2 sources 2−22091
reactive sputter etching, plasma diagnosis by mass spectrometer, etching of Al, SiO_2 and photoresist 2−14793
Rutherford backscattering spectrometry, automatic beam alignment for channelling meas. 2−11875
sub-mm heterodyne spectrometer, 300-500 GHz, development, radioastronomical appls. 2−21889

computerised test equipment *see automatic test equipment*

computerised tomography
acoustical tomography reconstruction using transducer arrays, female breast pathology appl. 2−7313
bioimage digital processing techniques *(Italian)* 2−17331
conf. Houston, TX, USA (Sept. 1981) 2−4580
continuous image recording using grey-tone dry-process Ag paper 2−3085
data digitisation instrument, radiotherapy simulator appl. 2−3474
developments in health engineering 2−22519
dosimetry survey of systems from 10 manufacturers 2−22576
emission, performance characts. of 7-pinhole system 2−27126
emission, transaxial single photon, using a rotating γ-camera 2−17363
emission system, single-photon, using 10 scanning detectors, characts. evaluation 2−17359
future of CT, review 2−3476
gamma camera tomography 2−8152
intra thoracic anatomy reconstruction and display 2−7324
medical imaging methods, review 2−17345
microprogrammable processor, MICE for CT appls. 2−17379
microwave, transmission and refl. techniques, medical diagnostic appls. 2−27161
microwave, transmission and reflection for medical investigations *(Swedish)* 2−27128
multisegmented ion chamber for CT scanner dosimetry 2−3520
nuclear medical imaging with computerised reconstruction 2−3471
nuclear scattering radiography 2−3461
object internal spatial struct. reconstruction from integral projections 2−15957
positron emission tomography, detectors, shielding, sampling, electronics 2−27155
positron emission tomography, photon time-of-flight assisted, image reconstruction and noise evaluation 2−22544
pulmonary tumour visualisation by computed subtraction scintigraphy with ^{67}Ga citrate and ^{113m}In chloride *(Russian)* 2−17346
radiotherapy planning, patient beam positioning system using CT images 2−27153
RC filter vs. integrator data collection circuits for CT 2−27140
residual stress mapping by US tomography 2−8891
review of the past and present, perspective of the future 2−17362
sampling the 2-D Radon transform 2−6433
scanner, film-recorded, low-cost 2−3482
scanner principles, reconstruction technique and detectors *(Japanese)* 2−11904
single emission tomography research 2−7325
synthetic tomography, computer evaluation, ultrasound imaging using multi-element transducers 2−27312
ultrasonic techniques *(Japanese)* 2−17357
US, 3-dimens. image reconstruction 2−12116
US, for medical investigations *(Swedish)* 2−27129
whole-body CT scanner, Toshiba TCT-60A=20 series, image quality improvement 2−17375
X-ray review of computed tomography, imaging, image reconstruction and equipment *(Japanese)* 2−11896

computerised traffic control *see traffic computer control*

computerised transport control *see transport computer control*

computerized conferencing *see teleconferencing*

computing applications to accounting *see accounts data processing*

computing applications to aerospace engineering *see aerospace computing*

computing applications to architectural design *see architectural CAD*

computing applications to art *see art*

computing applications to astronomy *see astronomy computing*

computing applications to banking *see bank data processing*

computing applications to billing *see accounts data processing*

computing applications to biology *see biology computing*

computing applications to biomedical engineering *see medical computing*

computing applications to business *see administrative data processing*

computing applications to chemical engineering *see chemical engineering computing*

computing applications to chemistry *see chemistry computing*

computing applications to circuit analysis *see circuit analysis computing*

computing applications to circuit design *see circuit CAD*

computing applications to circuit layout design *see circuit layout CAD*

computing applications to civil engineering *see civil engineering computing*

computing applications to command and control systems *see command and control systems*

computing applications to communications engineering *see communications computing*

computing applications to control engineering *see control engineering computing*

computing applications to control system analysis *see control system analysis computing*

computing applications to control system design *see control system CAD*

computing applications to corporate models *see corporate modelling*

computing applications to distribution *see distributive data processing*

computing applications to education *see educational computing*

computing applications to educational administration *see educational administrative data processing*
computing applications to electric machine analysis *see electric machine analysis computing*
computing applications to electric machine design *see electric machine CAD*
computing applications to electrical engineering *see electrical engineering computing*
computing applications to electronic engineering *see electronic engineering computing*
computing applications to engineering *see engineering computing*
computing applications to finance *see financial data processing*
computing applications to geophysics *see geophysics computing*
computing applications to goods dispatching *see goods dispatch data processing*
computing applications to government *see government data processing*
computing applications to history *see history*
computing applications to information science *see information science*
computing applications to language translation *see language translation*
computing applications to legal research *see government data processing; social and behavioural sciences computing*
computing applications to logic design *see logic CAD*
computing applications to manufacturing *see manufacturing data processing*
computing applications to marketing *see marketing data processing*
computing applications to mathematics *see numerical analysis*
computing applications to mechanical engineering *see mechanical engineering computing*
computing applications to medical administration *see medical administrative data processing*
computing applications to medical diagnostics *see medical diagnostic computing*
computing applications to medicine *see medical computing*
computing applications to military logistics *see logistics data processing*
computing applications to music *see music*
computing applications to natural sciences *see natural sciences computing*
computing applications to nuclear engineering *see nuclear engineering computing*
computing applications to physics *see physics computing*
computing applications to police *see police data processing*
computing applications to power system analysis *see power system analysis computing*
computing applications to power system design *see power system CAD*
computing applications to psychology *see psychology*
computing applications to reservation systems *see reservation computer systems*
computing applications to retailing *see retail data processing*
computing applications to social and behavioural sciences *see social and behavioural sciences computing*
computing applications to stock control *see stock control data processing*
computing applications to town and country planning *see town and country planning*
computing military applications *see military computing*
concave programming
fractional prgramming, appls. and algorithms 2−378
global minimisation of concave functions subject to convex constraints, methodology survey 2−424
concrete
see also cement industry
bituminous concrete, quality assurance system of Quebec Ministry of Transport 2−112
high loaded structure in nuclear power plants, steel bar reinforcement 2−12357
nuclear power station concrete press. vessel., 20 MN breaking load tension member development *(German)* 2−7639
switching stations construction system with explosion and fire safeguards *(German)* 2−28042
US testing 2−8872
concurrency (computers) *see multiprocessing programs; multiprocessing systems*
condensers (electric) *see capacitors*
condensers (steam plant)
contact condenser vacuum deterioration and compensation *(Russian)* 2−23093
corrosion prevention, chemical indices limit values for coding ccts. *(Rumanian)* 2−12462
design assessment and optimisation computer modelling techniques 2−23081
Ohaki geothermal power station condenser-cooling tower pilot plant for design studies 2−23156
stainless steel tube applications in condensers and feedwater heaters 2−27719
steam power plant surface condensers, EPRI funded research projects in 1981 2−27744
steam power station, Bicske, combined heat/power generation, anal. of which turbines to use *(Hungarian)* 2−23088
steam turbine condensers discharged heat utilisation possibilities and prospects *(Rumanian)* 2−12458
surface-type, operating performance and remedies for poor performance 2−27709
thermal power plant using seawater for condenser cooling, automatic control, anal. 2−17982
tubes corrosion prevention by good design and proper operation 2−23102
tubesheet joint failures, protection against inleakage of circulating water, soln. 2−12470
Cr-Ni-Mo steel corrosion-resistant condenser tube development *(German)* 2−27682
Cu alloy tube appls. 2−3913
Cu-Ni alloy resistance to NH_3 corrosion in simulated steam condenser conditions 2−23123
Ti tubed condensers with welded tubeplate joints 2−23122
conductance, electric *see electric admittance*
conductance, electric, measurement *see electric admittance measurement*
conductance measurement, electric *see electrical conductivity measurement*
conducting materials
see also bimetals; electrolytes; semiconductor materials; superconducting materials
conductive paper, graphite plated, measurements of electric properties *(Slovenian)* 2−9236
resistive ribbon coatings, conductive materials 2−19458
conduction, heat *see heat conduction*
conduction bands
see also Fermi level; semiconductor materials
abrupt heterojunctions in equilibrium, anal. 2−20126
photoelectrolysis cell, current-voltage characteristics 2−18408
semiconductor-insulator nonlattice matched interface, U-shaped background density of interface states 2−14716
$B_{13}C_2$, electronic struct. and semicond. behaviour 2−25035
$Ga_{1-x}Al_xAs$, conduction band structure from Hall mobility measurements at high pressures 2−24964
GaAs, ballistic electron transport in nonparabolic band struct. 2−1174
GaAs, hot electron nonMaxwellian distrib. function in mag. field, cyclotron emission study 2−24981
GaAs-AlGaAs DH injection laser, active layer radiative processes in strong mag. field 2−25796
GaSb, electron transport and conduction band struct. 2−24963
InGaAsP n-channel inversion mode MISFET with low interface state density 2−9658
InSb, ballistic electron transport in nonparabolic band struct. 2−1174
$PtSb_2$:Te, impurity conduction 2−1213
a-Si:H film, photocond. anal. luminesc. meas. of cond. band tail 2−25575
Te single crystal, electron transfer effect 2−24938
ZnO, coadsorbed p- and n-dyes, spectral sensitivity 2−1779
conduction electron spin resonance *see CESR*
conduction in solids, ionic *see ionic conduction in solids*
conductivity, electrical *see electrical conductivity*
conductivity, thermal *see thermal conductivity*
conductors (electric)
see also bimetals; overhead line conductors; wires (electric)
800 MW generator bus-bars phase-by-phase screened 3-phase current conductor electromagnetic field numerical anal. 2−27870
acceleration of conductors in magnetic fields, dynamic induction mechanisms 2−10425
air-firing base metal resistor and conductor system for low-cost thick film cct. manufacture 2−1055
analysis of electrodynamic stability of self-supporting conductors *(Russian)* 2−17767
application of copper-wire conductors and cables to electric wiring systems *(Russian)* 2−3754
boundary estimates of the capacitance of sole conductors *(Russian)* 2−9235
cables, rational utilisation of materials, Poland *(Polish)* 2−3755
conducting strip, switching props., eigenvalues for integral eqns. *(German)* 2−9237
corrosion of conductors on ceramic substrates, electrochemical model 2−24820
current carrying conductors in alternating mag. field, loss calcs. 2−954
cylindrical and elongated conductors with variable cross section, resistance calculation *(German)* 2−14306
digital communication systems, using CC Cu conductors, for improved speech transmission and simultaneous transmission of telex, teletext and pictures *(German)* 2−16312
electrical connections for aluminium conductors 2−27543
flat and cylindrical conductors, EM field distribution determ. 2−9238
heating effects, in current carrying conductor *(German)* 2−24726
many rectangular cylindrical conductors, expressions for current distribution and losses *(German)* 2−24725
metals and alloys, shaping of components, influence of electrical explosion of conductors in fluid *(Russian)* 2−5030
optimum cross-sectional area determ. *(Rumanian)* 2−12244
production facilities and services in Poland *(Polish)* 2−17720
straight-cylindrical conductor carrying rectangular periodic current, skin effect 2−19895
strip conductor in stratified dielectrics, complete orthogonal functions 2−21011
TEM multi-conductor systems with circular cylindrical conductor geometry, line parameter matrices *(German)* 2−26019
two-layer, conductivity differential equation model *(Russian)* 2−22916
underground Al cables, LV and MV, compression jointing methods and problems *(Spanish)* 2−22928
unprotected conductors in steel tubes, fire hazards and design for greater safety *(Russian)* 2−23967
voltage drop calculations for electrically short insulated conductors 2−17690
Ag containing thick film conductors, low cost, advances 2−24832
Al-Mg-Si conductor alloys, elec. cond. and mech. props. 2−610
Au conductor pastes for high density ccts. 2−24830
$BaTiO_3$ ferroelectric cold conductors, meas. appls. *(German)* 2−19894
Be wire, high-strength, mech. props. and elec. cond. 2−611
Fe effects on toroidal conductor, magnetostatic field calcs. 2−15609
conduits, electric *see electric conduits*
confinement, plasma *see plasma confinement*
connecting *see joining processes*
connectors (electric) *see electric connectors*
consoles, remote *see remote consoles*
constant current modulation *see amplitude modulation*
constant current sources
balanced source, using Zener diode, bipolar transistors 2−5088
electronic overload/short cct. protection for battery powered equip. 2−19547
FET applications, book 2−23880
floating mass stabilized voltage supply and sources *(Rumanian)* 2−690
laboratory PSU, 0-30 V 1.2 A precision source of 20 mA-1.2 A constant-current generator appls. 2−7154
sinewave RC-oscillator with single resistor control using DVCCS/DVCVS 2−24428
static pinch resistor RAM cell, standby offset voltage maintenance by constant current source 2−19670
temperature stabilised current source, using 1N821 zener diode 2−8978

constant current sources continued
thermistor resistance conversion to voltage, using stable current generator 2−16953
VMOS constant current power supply 2−713

constant voltage diodes *see avalanche diodes; Zener diodes*

constants
see also elastic constants; lattice constants; optical constants
gamma constant and the gamma equivalent in dosimetry 2−6986
physical, relationship to mechanical and electrical quantities 2−3028

constitution diagrams *see phase diagrams*

constraint theory
see also operations research
binding constraints in linear programming, directional derivative heuristic approach 2−13620

construction *see building*

construction industry
see also civil engineering
intermediate stations of the R-600-2MV equipment designed in container form 2−2681
IR diagnosis of building construction, personnel training, Canadian experience 2−25
IR imaging of building heat losses, ASHRAE standard appl. 2−3078
laser control of highway construction equipment 2−21003
road pavers, sensors and laser systems 2−21004
thermographic inspection of buildings, buying, leasing and contracting costs comparison 2−33
transfer of technical training across cultural barriers in the building industry 2−8168

constructional engineering *see civil engineering*

contact e.m.f. *see contact potential*

contact potential
see also contact resistance
continuous range contact charge exchange spectrometer 2−11606
semiconductor-electrolyte junction, flat band pot., electroreflectance study 2−9524
GaAs surface, (110), Fermi level pinning, contact pot. difference and surface photovoltage topography study 2−1181
Si-SiO_2 interface in MOS structs., memory effects caused by irrad. *(Russian)* 2−14723
ZnSe (110) oxidation model based on anal. by 21 eV photoemission spectroscopy, contact-potential difference and AES 2−20202
ZnTe (110) oxidation model based on anal. by 21 eV photoemission spectroscopy, contact-potential difference and AES 2−20202

contact resistance
see also contact potential
calculating the characteristics of composite superconducting materials with high contact resistances 2−25444
DC machines, aspects of switching *(Rumanian)* 2−23307
electrical connections for aluminium conductors 2−27543
light duty contacts, contact resistance evaluation using statistical analysis 2−984
ohmic contacts to semiconductor devices, effect of contact size and non-zero metal resist. on specific contact resistance 2−25072
relays, automatic testing using microcomputer controlled test system 2−3060
thermal gap resist., and contact resist. meas. by modulated heating method 2−7226
Al alloy metallization for IC 2−14806
Au/Ni/SnNi/n-GaAs interface, ohmic contact form. 2−25070
Au-Ge laser-annealed ohmic contacts on GaAs, microstruct. and resistivity 2−14698
AuGe contacts to GaAs, fabrication and props. 2−5708
GaAs solar cells with distributed parameters, I-V charact. effect of ohmic losses 2−12873
GaAs/Au-Ge ohmic contacts, laser annealed, resistivity and SIMS profile 2−14697
GaAs-AuGe/Pt pulsed electron beam alloyed ohmic contacts, reliability 2−1229
$Ga_{1-x}In_xAs$ graded band gap layers, ohmic contacts to n-GaAs grown by MBE 2−5613
p-GaP/Au-Zn contact system, out-diffusion process, barrier metals effect 2−25069
Ge-GaAs interface grown by MBE 2−1217
InGaAsP, ohmic contacts, low specific contact resistance, metallisation 2−1237
InGaAsP-InP DH LEDs, epitaxially grown layers, contact resistance 2−1816
InP, ohmic contacts, low specific contact resistance, metallisation 2−1237
InP surface, n- and p-type, lightly doped, ohmic contacts 2−5612
n-InP-Sn-Au alloyed ohmic contact formation, contact resistance depend. on annealing temp. 2−5633
Mo-Si contacts, P ion implantation effects 2−5628
Si, solar cell type, contact resistivities of transition metal nitride metallisations 2−20216
Si solar cells and arrays, design and fabrication problems *(Japanese)* 2−4361
n-Si-TiN contact, elec. charact. 2−14711
Sn rich coatings, electrical contact materials, props. 2−982
WSi_2 interconnection for VLSI circuits 2−15020

contactors
see also relays
air-break contactors, N_2O prod. by switching arcs *(German)* 2−12738
characteristics of switching processes/ in high voltage vacuum and air contactors/ 2−4317
contactor efficiency in series ChS electric locomotives *(Russian)* 2−28048
DC, time-current charact. *(Polish)* 2−14351
DC hybrid, load current and voltage meas. *(Polish)* 2−18394
induction motors, 3-phase, measures for protection from dangerous overloadings, comparison and usefulness *(German)* 2−27907
multiple tripout contacts, rupturing capacity investigation *(Russian)* 2−14340
permissible temperatures for contact connections of electric equipment 2−18389
study of switch-on dynamics of a synchronous contactor and the vibration of its contacts *(Russian)* 2−28056
vacuum contactor protection units/ reacting to loss/ of vacuum in vacuum arc control devices 2−4315

contactors continued
vibro-diagnostics of spontaneous closure in contacting systems by a method of finite elements *(Russian)* 2−28057
wafer or chips, compatible customs design 2−5405

contacts, electrical *see electrical contacts*

content-addressable storage
1.5 Kbit associative memory, functional diagram and applications *(French)* 2−14125
semiconductor memories, book 2−23876

context-free grammars
see also context-free languages
syntax-directed verification of circuit functions 2−19500

context-free languages
see also context-free grammars
continuous speech recognition by confidence islands *(French)* 2−2306

continuum hypothesis *see set theory*

contours, surface *see surface contours*

contracts
electrical engineering profession and professionals, contracts and codes of ethic 2−18874
fault detection and isolation system development 2−148

contrast transfer function *see optical transfer function*

control devices, electric *see electric final control devices*

control engineering applications of computing *see control engineering computing*

control engineering computing
see also computerised control; control system analysis computing; control system CAD
ATE for electronic warfare systems, high-speed signal acquisition and processing 2−22128
ATE switching paths automatic selection, ROUTER software package 2−22121
ATE system architecture, system performance ramifications 2−22122
M-BUS to interconnect microprocessors in a distributed processing network 2−26291
secondary reactive power-voltage control in a hierarchical control scheme *(German)* 2−7470

control equipment
see also actuators; controllers; electric control equipment; nonelectric final control devices; relays; telecontrol equipment; thermostats; valves; variable speed gear
automation and control of networks 2−3666
automation and control system for the gas field Hassi R'Mel in Algeria 2−4549
environmental control system, low-cost, for quadriplegics 2−22563
heating control equipment optimisation *(German)* 2−18773
IEEE-488 test measurement line, Tektronix TM 5000 series, simplified integration and software 2−22051
ITT 1210 Class 5 digital switching system, control and supervision of remote like units 2−10921
manipulating device for patients with disfunction of locomotive organs 2−22571
marine automatic electronic autopilot systems *(Italian)* 2−6865
mining machinery testing, computer controlled testing 2−13305
power electronics development for power systems *(Slovenian)* 2−28006

control facilities
control desk for dispatching-centre control systems using a computer *(Czech)* 2−27363
crossbar switching system enhancement by SPC facilities 2−2635

control gear, electric *see electric control equipment*

control nonlinearities
see also bang-bang control; hysteresis; nonlinear systems
design of decentralised load-frequency regulators for interconnected power systems 2−22845
power system, nonlinear observability, quantitative estimate 2−12159

control of specific variables
this heading is restricted to those variables which are not covered by other specific headings. See also acoustic variables control; chemical variables control; electric variables control; frequency control; magnetic variables control; mechanical variables control; optical variables control; thermal variables control
integrating measurement and control systems, accuracy assessment *(Russian)* 2−22031

control rooms, radio *see radio studios*

control system analysis
see also Bode diagrams; correlation methods; describing functions; frequency response; linearisation techniques; perturbation techniques; phase space methods; piecewise-linear techniques; poles and zeros; root loci; sensitivity analysis; stability; state-space methods; step response; transfer functions
algorithm for evaluating the sensitivity of automatic control systems for electric drives 2−8032
fuzzy systems, decision making, problems concerning construction of algorithms 2−13421
generic coal fired power plant, mathematical model for control system performance analysis 2−12494
linear, Pade approximation methods 2−8706
logic automatic system for excitation control of synchronous motors, analysis and synthesis *(Russian)* 2−27893
multimachines power system electromechanic coherency 2−12129
on bilinear estimation and control 2−4931
optimal parameter estimates in regression models with special covariance structure and their use in two-factor experiments 2−19269
posicast control generalisation *(Japanese)* 2−19371
satellite communication antennas, control analysis for direct mechanical stabiiisation 2−10588
time invariant, electronic circuit analysis soln. *(Russian)* 2−670
transfer function polynomials orders reducing 2−16758

control system analysis computing
controller partial state observer matrix Riccati equation 2−4917
electrohydraulic servovalve modelling *(French)* 2−7959
existence of optimal strategy in univariate diffusion process control 2−19334

control system CAD
computer aided control system design applied to milk drying plants 2−13129

control system CAD continued
digital control methods for power station plants based on identified process models 2−3935
insulated cable production, process control synthesis *(Czech)* 2−14324

control system computer aided design *see control system CAD*

control system synthesis
see also Bode diagrams; correlation methods; describing functions; frequency-domain synthesis; frequency response; linearisation techniques; perturbation techniques; phase space methods; piecewise-linear techniques; poles and zeros; root loci; sensitivity analysis; stability; state-space methods; step response; transfer functions
aircraft control display, analysis and design using optimal control model of human pilot 2−3551
communication cable production, process control synthesis *(Czech)* 2−24748
crystal growth, microprocessor-controlled system, design and implentation 2−13811
cut-map algorithm for design problems with parameter tolerances 2−24200
decoupling and disturbance rejection control of linear time-varying time-delay systems 2−4918
design of decentralised load-frequency regulators for interconnected power systems 2−22845
induction motor triac speed control, PLL techniques and transfer functions 2−4185
integral controller, for stabilisation of synchronous machines 2−27884
logic automatic system for excitation control of synchronous motors, analysis and synthesis *(Russian)* 2−27893
Luenberger type observer-controller design, single machine infinite bus power systems 2−3681
multivariable control system design, appl. in electric power generating plants 2−12425
NADCON, ship solid gain AR autopilot, comparison with PID autopilot *(Japanese)* 2−2852
power system, stabilising controller design using pole-assignment technique 2−7512
PWR power station self-tuning load-following control 2−3882
rectifier motor, single channel control system for invertor 2−18340
solar powered boiler, temperature regulator design, effect of nonMarkovian cloud patterns 2−18080
space vehicles, pointing system modeling for performance prediction 2−17470
speed regulator systems design and control algorithms, for tape recorders *(Polish)* 2−2954
STARPROBE space project, altitude and translation control, preliminary design 2−17457
steampower plant, control system synthesis, set theoretic control approach 2−18005
synchronous generator, solid rotor with divided winding, optimal controller design employing output feedback 2−7822
thermal power plants, statistical identification and optimal control 2−27722
time-optimal rectifier-unit control 2−12720
turbine overspeed protection control using variable structure servomechanism 2−12493
turbogenerator, laboratory model, indirect identification and control 2−7811
video tracking, distributed parameter system regulator design 2−15958

control systems
see also adaptive systems; closed loop systems; delay-differential systems; discrete time systems; distributed parameter systems; model reference adaptive control systems; multidimensional systems; multivariable control systems; nonlinear control systems; optimal control; physical instrumentation control; sampled data systems; time-varying systems
active synchronization control system used in DC linear motor 2−12663
control system of an electro-magnet for attractive magnetic suspension 2−13014
development of single-channel control systems for valve converters *(Russian)* 2−12708
electric chamber furnace KO 13, 5/4 heated by SiC heating rods, electronic regulating system application *(German)* 2−23762
integrating measurement and control systems, accuracy assessment *(Russian)* 2−22031
propulsion subsystem DISCOS, drag-free operation heavy very low altitude satellites appl. 2−3534
propulsion trains for electric vehicles, separately excited DC motor control systems 2−8039

control theory
see also adaptive control; bang-bang control; cascade control; control nonlinearities; control system analysis; control system synthesis; controllability; minimum principle; observability; on-off control; optimal control; predictive control; proportional control; relay control; stability; three-term control; two-term control
transitional data with amplitude probability density distribution, meas. and control method 2−22209

controllability
see also stability
logic testability computer-aided analysis, figure of merit criterium demonstration 2−19652
matrix algebra 2−8371

controllers
see also control of specific variables; cryostats; instruments; servomechanisms; thermostats
16-bit microprocessor adaptation by 8-bit direct memory access controller 2−14141
AC motor controller, Allspeeds Series 2000 2−4030
AC motor variable speed, charact. 2−12674
AC/DC electric motors using electronic speed controllers for variable speed drives *(French)* 2−23659
air ink jet printer controller 2−21051
alpha-numeric indicator systems, 18-segment, controller using slave microprocessor *(German)* 2−17048
alternating-voltage continuous amplitude control, inductive switching circuit, anal. of power conversion processes 2−23373
asynchronous machine, static convertor-fed, current regulation, soln. 2−4121
automatic generation control of interconnected power systems/ using variable structure controllers/ 2−3692

controllers continued
automation appl. of electronic circuits, feedback controller amplifier ccts. *(German)* 2−19575
automobile fuel economy 2−13048
automobile paint plant, process automation employing programmable controllers 2−13107
breaker control circuit/ for 6-10 kV synchronous motors/ *(Russian)* 2−4063
breath-controller for bronchial inhalation challenge testing 2−17329
characteristics and specifications for compensation method appl. *(German)* 2−14030
Chinese character CRT terminal, hardware and software design 2−16849
continuous power controller output stage operation *(Spanish)* 2−24400
continuous vulcanizing extrusion lines, programmable controller and appls. 2−28303
control circuit for type A 3700 automatic cut-out *(Russian)* 2−18403
control of shunt compensation with reference to new design concepts 2−12289
CRT controller for personal computer and electronic games appls. 2−22317
crystal oven controller using 441 Bi-FET op. amp. 2−13976
current-source convertor AC motor drive current controller synthesis using linear regulation methods *(Czech)* 2−28140
DC chopper regulator construction, functions and operation for railway electric drives *(German)* 2−23368
DC motor controller for switching between forward, reverse and off, split power supply 2−4319
DC motor speed control cct., using CSF UAA 4004 IC, 220 V supply *(French)* 2−4219
design of decentralised load-frequency regulators for interconnected power systems 2−22845
digitally controlled temp. control unit in 6000 series for JFET, report 2−11610
disco light sequencer, Lumitron-4 multi-function lighting-display control system 2−5106
disk controller selection criteria 2−15164
dummy talker/controller for IEEE 488 interface bus instruments 2−16162
EEC solar power plant steam generator control system design and simulation 2−27839
electric drive charact. 2−18642
electric motor speed regulator tuning parameter anal. using statistical theory *(Dutch)* 2−18158
electrode regulation using Rogowski coils for exact current measurement 2−23754
electronic power control device with induction motors 2−23399
electronic regulating units for industrial automatic systems and consumer goods, operating and dimensioning problems *(German)* 2−18146
evaluating the adjustment parameters of controllers for large turbogenerators 2−27721
fault current control in power conditioning units using power transistors 2−12714
fuel equipment, microdrives, charact. *(Russian)* 2−28146
graphitisation furnace, automatic control charact. *(Russian)* 2−28234
hall-probe sinusoidal-current stabilizer 2−3120
heating element temperature controller cct., Wheatstone bridge arrangement 2−5316
improvement in regulation system of extraction turbine with three adjustable steam extractions 2−12483
induction motor, power factor controller for reduction of wasted energy 2−27932
induction motors power controller for energy savings 2−18222
integral controller, for stabilisation of synchronous machines 2−27884
integrator battery charge controller for spacecraft appls. 2−17512
Intel 8202 dynamic RAM controller for addressing 16 Kbytes memory 2−14113
KLIMACT drives with integrated temperature controller *(German)* 2−12971
level, line transmission transfer charact. improvement *(Croatian)* 2−16814
liquid crystal display SM 804 universal controller, technology charact. 2−26923
Luenberger type observer-controller design, single machine infinite bus power systems 2−3681
machine and process control systems, electronic controllers 2−7806
magnetic tape cassette drive controller SMP-E347, charact. 2−3017
microcontrollers for speed control and regulation in AC motors *(German)* 2−18163
microprocessor based environmental control system for a severely limited quadriplegic 2−17402
microprocessor control, electric drive appls. *(German)* 2−18628
microprocessor-based boiler control system, consultation with plant's operators 2−27701
microprocessor-based residential heating controller 2−4476
model DCN-70 plant controller *(Japanese)* 2−7772
model train controller, variable track voltage technique 2−876
motor-car trains of type line 270, electronic equipment for control and regulation *(German)* 2−23686
multichannel multiplex systems, regulator modulation amplification coeff. measuring circuit *(Bulgarian)* 2−10896
NMR magnet regulator cct., search and lock regulation circuitry for accelerator bending magnets 2−11866
one-quadrant DC drives, automatic speed control 2−18652
partial state observer matrix Riccati equation 2−4917
phase angle control for mains-powered inductive loads, opto-coupled cct. design 2−7958
photovoltaic system with storage overloading protection using bistable relay regulator 2−23427
PLC, role in India 2−4636
power factor controller, definition and appl. 2−28077
power plant wastewater treatment, programmable controller appls. 2−17969
power system, load frequency control via constant limited-state feedback 2−3680
power system reactive power control systems, problems, modelling and simulation techniques 2−27398
programmable, failure anal. appl. *(German)* 2−13323
programmable communications controllers 2−6580
programmable controllers, fibre optic links 2−26518
programmable controllers, industrial component selection guide 2−12760
pulverized coal fired boiler, combustion air automatic trimming using flue gas CO concentration ref. 2−23099

controllers continued
railway-substation sequence control system *(Japanese)* 2−4419
Ramco Micro Weld 100 controller for improved efficiency of resistance welding 2−23822
reference voltage for power supply of LSI chips 2−24396
relay, Meidensha's general purpose sequence controller uniseque M100 2−12310
room temperature, using monolithic integrated zero voltage switching circuit *(German)* 2−9160
satellite power systems, series vs. shunt regulators for power control 2−17513
speed regulator systems design and control algorithms, for tape recorders *(Polish)* 2−2954
steam turbine automatic control system charcts. 2−27726
steam turbine automatic control system fire prevention 2−27727
steel industry, continuous slab casting process computer control 2−23793
switching regulator, line-operated, active transient suppressor 2−13952
switching regulator, low power start circuit 2−13951
switching regulator, surge current limiter 2−13953
synchronous generator, solid rotor with divided winding, optimal controller design employing output feedback 2−7822
telephone switching systems, digital line interface controller and interaction with switching network 2−16275
temperature meter for electric machines, Soviet GOST Standard check *(Russian)* 2−27854
thyristor drives, regulator parameter optimisation *(Russian)* 2−4281
thyristor power regulators for three-phase active loads with limited range of regulation *(Russian)* 2−28074
torque controller using voltage source invertor and induction machine 2−18663
TR 4379 temperature controlled, characteristics of thyristor final control elements *(German)* 2−12753
traction motor and controller for light rail vehicles *(Japanese)* 2−4421
transistor chopper driven, DC motor performance anal. 2−4229
triac control, for series wound AC/DC electric motors using TDA 1185 *(French)* 2−7960
Veritron, 2-20 kW, computer-aided testing for reducing testing time *(German)* 2−23975
NH_3 reactor multiloop proportional, charcts. 2−18817

convection
see also convection in liquids
convective and radiative heat transfer in MHD radiant boilers 2−28130
heat transfer scaling laws for MHD channels and diffusers 2−28131
LMBR steam generator, forced-connection boiling upflow system, instabilities in parallel channel 2−7653
solar flat plate collectors, heat loss, insulation effect 2−23443
supercharged boilers, convective heat transfer to furnace waterwalls 2−17985
supplementary electric heating, for high productivity furnaces 2−13075
temperature field of the active element of a solid-state laser with a liquid cooling system 2−15487
thermocline-type cylindrical enclosure for heat storage in solar power plants, effects of walls on axisymmetric natural convection flows 2−25886

convection in liquids
electrically stressed liquid dielectrics, bulk electroconvection 2−9783

convergence
see also convergence of numerical methods
adaptive filtering convergence with decreasing step-size in presence of correlated observations *(French)* 2−21331
asymptotic behaviour of nonexpansive mappings in normed linear spaces 2−8590
asymptotic behaviour of the likelihood ratio test under presence of deviations of the model 2−13479
asymptotically unbiased trace filter with constant parameters *(Chinese)* 2−13328
averaging methods for the asymptotic analysis/ of learning and adaptive systems/, with small adjustment rate/ 2−2446
collocation methods for two dimensional weakly singular integral equations 2−8780
conditional gradient method, convergence 2−420
convex programming, globally convergent algorithms 2−406
deferred correction for the integral equation eigenvalue problem 2−8781
discrete linear approximation 2−8680
dynamic programming models 2−24210
fast optimal load-flow under emergency operating conditions 2−22871
Fourier series, acceleration of convergence 2−176
Fredholm integral eqn. of second kind, iterated projection soln. 2−8778
functional representation of convergent series *(French)* 2−4922
generalised barrier functions, convergence of the method 2−24216
global convergence of second order methods for convex problems of discrete minimax 2−370
globally convergent algorithm for exact penalty functions 2−8644
integrals, convergence in kth variation and RS_k integrals 2−8419
Kantorovich theorem for Newton's method, updated version 2−8714
linear difference equations with constant coefficients, convergence of solutions *(German)* 2−4967
martingale method in study of extremes *(French)* 2−24099
n-person games, stochastic soln. concept 2−220
nonlinear constrained problems, existence and stability results 2−8744
nonlinear random functional integral equation 2−19091
open tandem queueing systems with blocking, anal., iteration method 2−4732
perturbation theory for selfadjoint operators in Pontrjagin spaces 2−19090
piecewise linear series, convergence behaviour 2−4932
piecewise polynomial approximation to the solution of an integral equation with weakly singular kernel 2−8691
point processes limit theorems, generated in general branching process 2−24090
projection TV distortion correction requirements 2−21954
pseudo-parabolic problems, convergence properties of optimal controls 2−8405
quadratic optimal control problems with amplitude constrained control, convergence of approximations 2−374
queueing system sensitivity assessment 2−24057
regenerative processes convergence and stability 2−295
regression function root estimation, modified Robbins-Monro procedure 2−4925

convergence continued
robust test, bounds of asymptotic rate of convergence of error probabilities 2−437
sample sizes, small and moderate, behaviour of estimated measures of association 2−4792
singular integral eqns., theorem 2−8784
singular perturbations in L^P spaces, Dirichlet problem *(French)* 2−13507
stationary point processes, central limit theorem and convergence 2−294
stationary random sequences, covariance estimates, asymptotic distribution 2−279
stochastic iterative algorithms, nonasymptotic estimates of convergence rate 2−4884
stochastic optimisation, multistep procedures 2−24190
stochastically monotone sequences of random variables, convergence and appls. 2−8527
tapped delay line equaliser filters, fast start-up autocorrelation algorithm 2−6640
uniform convergence of estimates of multivariate probability density 2−19138
uniform distribs., infinite convolutions 2−13470
unsteady flow computations, cyclic matrices appl. 2−494
variable dimension algorithms and algorithms using primitive sets 2−13610
Volterra integral equations, linear multistep methods 2−8767

convergence of numerical methods
absolute exponential stability of nonlinear systems of differential equations with lag 2−529
accelerating convergence by root finding 2−19268
Adams-type formulae for second order ordinary differential equations, stability 2−24256
Aitken's Δ^2, optimality for acceleration of linear convergence *(French)* 2−24223
approximation schemes for nonlinear neutral optimal control systems 2−13760
B-convergence, concept 2−8757
Cauchy solution of heat equation *(Russian)* 2−13792
Chebyshev approximation discretisation 2−474
Chebyshev polynomials having asymptotic power series 2−476
circular complex centred form, quadratic convergence 2−24226
condition number estimation for sparse matrices 2−19323
continuation methods, class, steplength algorithms 2−8717
convergence theorems for least-change secant update methods 2−19277
convex, nondifferentiable functionals, minimisation 2−13636
critical frequencies of canonical systems, invariant relative to the circulation of time, with periodic coefficients 2−19282
DC motor chopper quasi-steady state anal. 2−18636
discrete linear L_p approximation algorithm 2−24237
domains construction with all solutions, extreme solutions existence 2−8760
eigenvalue methods and the analysis of structural vibration 2−441
elastic bodies contact, finite element anal. 2−19286
elastic-plastic problems solution, existence and uniqueness, convergence of approx. solutions *(Chinese)* 2−19377
elliptic integral equations finite element solution *(French)* 2−13786
error correction of digital instruments, using additive-multiplicative iterative algorithm 2−16755
evolution equations, computational stability *(Chinese)* 2−13726
finite difference method 2−19284
global minimisation in presence of constraints, efficient nonlinear algorithm *(Russian)* 2−364
global quadratic algorithm for solving a system of mixed equalities and inequalities 2−4908
globally convergent ball Newton method 2−19303
gradient projection descent algorithms *(Chinese)* 2−13626
grid stretching in finite difference calculations 2−19376
Hermite-Fejer polynomials, convergence order of interpolation *(Chinese)* 2−13677
hyperbolic spline, simple, on finite interval *(Chinese)* 2−13676
internal discretization in Sobolev space W_{op}^{l} 2−19302
interpolation, stability of uniqueness classes 2−13670
interval convex programming, iterative row action method 2−390
irreducible diagonally dominant, matrix AOR method convergence 2−435
iterative method, for system $Ax+y=x$, using aggregation 2−19325
iterative nonexpansive signal reconstruction algorithms 2−6437
lacunary interpolation splines, some kinds *(Chinese)* 2−13671
Laplace equation boundary problem solving for finite element mesh generation *(Chinese)* 2−13723
limit theorem for stochastic optimization processes and estimation with constant step *(Russian)* 2−24194
linear convergent cyclic Jacobi-like method for arbitrary real matrices *(German)* 2−19275
linear matrix equations, quadratic convergence method *(Italian)* 2−486
M-matrices SOR convergence bounds 2−8668
Maslov-Morozov property in a regularization method for nonlinear equations of the first kind *(Russian)* 2−4949
method of centers algorithm for certain minimax problems 2−24205
mixed finite element method for Stokes and Navier Stokes equations in a nonconvex polygon *(French)* 2−24262
multistep methods for initial value problems 2−8726
Navier-Stokes equations, viscous splitting algorithm 2−13768
Newton's method with step adjustment for degenerate minimization problems *(Russian)* 2−377
Newton's process, convergence 2−4924
nonhomogeneous boundary conditions and curved triangular finite elements 2−4952
nonlinear equations, axial symmetry with magnetic field distrib., finite element method anal. *(Chinese)* 2−13714
nonlinear multigrid method, error anal. 2−4970
nonlinear programming, Wilson, Han and Powell method 2−24219
nonlinear programming, Wilson, Han and Powell method 2−24220
nonlinear second-order integration asymptotic quasiperiodic solution 2−19387
norms of zonal spherical functions and Fourier series on compact symmetric spaces 2−19328
on finite element schemes of the Dirichlet problem for a system of nonlinear elliptic equations 2−8669
on lacunary interpolation splines *(Chinese)* 2−13686
on numerical integration of implicit ordinary differential equations 2−4951
on the regularity of difference schemes 2−8722

convergence of numerical methods continued
optimal control model local convergence 2−8752
ordinary differential equations, numerical solution of initial value problems *(Hungarian)* 2−4954
periodic functions and polynomials, spline approximations *(Russian)* 2−4927
polynomial zero calc., Laguerre method and its convergence 2−19304
positive difference solutions, convergence *(Chinese)* 2−13725
Rayleigh quotient iteration, general 2−8711
regularisation methods 2−24240
second-kind Volterra integral equations, numerical treatment, convergence and stability anal. for modified Runge-Kutta methods 2−8766
second-order nonlinear differential equations, regularising algorithm 2−521
sequences of functions, uniform convergence *(Chinese)* 2−13680
Shanno-Toint procedure for updating sparse symmetric matrices 2−24193
solitons, error estimation computation *(Chinese)* 2−13727
stability analysis of Runge-Kutta methods applied to a basic Volterra integral equation 2−8783
stability theorems for 2×2 hypermatrices 2−13635
uniform approximation by rational functions/ having restricted denominators/ 2−460
uniform convergence and localization of Fourier-Laplace series means *(Russian)* 2−4709
weighted Galerkin method of numerical solution of Cauchy type singular integral equations 2−19385

conversion electron spectra
Mossbauer spectroscopy using channel electron multipliers at low temp. 2−17220
$Na_4Fe(CN)_6 \times 10H_2O$ Mossbauer multisectional proportional resonance counter 2−27052

convertors
see also analogue-digital conversion; code convertors; digital-analogue conversion; direct energy conversion; frequency convertors; image convertors; impedance convertors; magnetohydrodynamic convertors; magnitude convertors; negative impedance convertors; phase convertors; power convertors; solar absorber-convertors
analog converter for capacitive transducers 2−9193
avalanche optoelectronic downconverter 2−25624
capacitance convertor using integrated 555 timer *(German)* 2−895
capacitive convertors, partial capacitance calc. *(Russian)* 2−11436
charge-to-voltage, zero drift analysis 2−26809
converting heat into electrical and mechanical energy in presence of magnetic field, devices 2−8018
counting device for light pulse time anal. 2−3423
current-to-frequency, precise, with charge-balance principle *(German)* 2−5333
current-to-voltage convertor, solid-state switch resistance compensation 2−14272
D/A, for generating 8 levels of grey on TV monitor *(Italian)* 2−6910
data convertor technology 2−5322
DC-DC, convertor design, noise elimination 2−14265
DC-DC convertor with switching transistor referenced to ground 2−14271
DC/DC with saturable reactor regulator, power feed to 140 MHz submarine cable system appl. *(Japanese)* 2−21720
differential sampling gate convertor, dynamic response improvement 2−24633
digital convertor testing using Walsh transform techniques 2−19831
digital TDM to FDM convertor, transmultiplexer 2−10734
discrete sampling gate convertor, nonlinear model 2−24634
efficiency improvement using rectified output derived from input winding 2−13972
FM-AM, computer-aided analysis, for satellite broadcasting receivers *(Chinese)* 2−26460
frequency-time measuring convertors, correcting nonlinearities *(Russian)* 2−16943
frequency/voltage convertor, low ripple, high slew rate, using ICs 2−5326
high-voltage analogue switching, convertor with operational amplifier charcts. for output voltage >1000 V *(German)* 2−9200
I/O, hybrid/thickfilm construction, advantages over conventional PCB 2−9333
immittance convertors, nullor models synthesis *(Czech)* 2−5332
level convertor for MTL and injection current switch logic 2−24636
logarithmic, voltage to time interval 2−14274
logarithmic current-voltage convertor with transistor feedback, freq. response *(German)* 2−9199
MIC down convertor for 2150 MHz TV signal using thick film technology 2−6894
modulation, with reversible integrator in forward conversion channel 2−7069
multikilowatt polyphase AC/DC, charcts. 2−14268
multistop time-to-digital convertor for time-of-flight mass spectrometry 2−3424
negative voltage convertor, ICL 7660 2−13938
new approaches to high speed high resolution analogue to digital conversion 2−24635
number representation converter for magnetic bubble string comparator 2−14273
optoelectronic large ang. and linear displacement meas. convertors 2−10107
phase controlled convertor driven induction motor performance anal. 2−4190
phase-to-voltage converter using combinational logic 2−9195
residue-to-decimal convertor 2−19754
RMS-to-DC convertors, AC ripple and DC error calc. 2−14270
serial-to-parallel conversion of 6 bit pulse train 2−14190
shaft angle measurement, digital encoder *(Chinese)* 2−17125
square to sinusoidal wave converter filters, for electronic organ *(Spanish)* 2−11285
temperature stabilized convertor of bipolar broadband signals 2−9202
temperature-dependent instability of electrical parameters of screened eddy-current convertors *(Russian)* 2−24637
temperature-to-frequency, linear, using thermistor-astable multivibrator 2−16934
testing, based on consumption current 2−26810
thermistor resistance conversion to voltage, using stable current generator 2−16953
time-amplitude convertor for nanosec. ranges 2−9191
time-to-digital convertor, multiple hit system for drift chamber appl. 2−17235

convertors continued
TV standard convertors by OKI Electric 2−2931
unloaded signal meas. convertors and compensation methods *(German)* 2−17122
voltage, based on half-wave phase sensitive amplifier, operation anal. *(Russian)* 2−24638
voltage, thermal, with BNC input connector, accurate calibration 2−11571
voltage converter for solar batteries/ using TL 496C IC *(German)* 2−896
voltage convertor, stabilised *(Czech)* 2−9201
voltage mean value convertors, dynamic error analysis *(Polish)* 2−7177
voltage to frequency, astable multivibrator with voltage-controlled variable duty cycle 2−9056
voltage-frequency convertor, high speed 2−9192
voltage-frequency convertor, implementation of high resolution CAD *(French)* 2−14267
voltage-to-frequency, two-chip linear VCO controls ramp's amplitude and freq. 2−14008
voltage/frequency, bidirectional pulse shaper *(Russian)* 2−903

convex programming
abstract convex program with finite dimensional range, optimality characterisation 2−397
asymptotic cone characterisations 2−414
conditonal gradient method for minimisation of convex differentiable function 2−420
conjugate relations and weak subdifferentials of relations 2−24214
convex inequalities in stochastic control 2−396
coordinate search process *(German)* 2−24188
direct theorems in semi-infinite convex programming 2−4909
discretization method for systems of linear inequalities 2−391
energy supply discrete optimisation methods 2−22784
extremal prob. soln. *(Russian)* 2−4896
fractional prgramming, appls. and algorithms 2−378
globally convergent algorithms 2−406
homogeneous fractional programming, duality theorems 2−365
inexact fractional programming with set inclusive constraints 2−4895
interval convex programming, iterative row action method 2−390
iterative regularisation of third order minimisation method 2−24215
lexicographic problems with a polyhedral set of strategies 2−24218
matrix theory optimisation 2−8649
minimal binding constraints set stabilisation and determ. 2−416
minimax optimization problems 2−24206
quadratic convex programming problem, solution methods *(Russian)* 2−376
radius of convexity problem 2−8640
steepest ascent method, maximisation of piecewise linear concave function 2−8653
X-matrix simplex method *(Russian)* 2−4897

conveyors
AEG Telefunken vibration technology in the eighties *(German)* 2−23704
chain conveyors in underground mines, noise control 2−4436
conveyor belt laminated material strain automatic monitoring system *(Russian)* 2−26995
dynamic charcts. of conveyor belt drives comprising AC or DC motors, calc. *(Russian)* 2−23684
electric suspension monorail systems in production areas *(German)* 2−13132
electronic batch weigher for ropeway bucket conveyor, mining appl. 2−3049
electronic component handling equipment for conveying production parts 2−70
electronic conveyor belt weigher, errors in tachometer generator, materials handling appl. 2−26972
Frankfurt Airport baggage conveying system reliability measures *(German)* 2−13320
granular materials, dosage conveyor with high-accuracy gravity feed, AEG system *(German)* 2−23821
large conveyor systems in a coal-fired power station *(German)* 2−23111
lehr drive, variable frequency, appl. and installation 2−18648
maximum flow rate conveyors with unbalanced motor drive, industrial appl. *(German)* 2−23706
mining conveyor systems, utilisation factor improvement *(Russian)* 2−28177
motor-driven vibration equipment, braking systems, practical ccts. *(German)* 2−23705
PCB solder-coater-levelling, hot-air techniques, Schmid SCL System 2−14463
photoelectric sensing devices in materials handling appls. 2−22280
shift register charcts. *(Russian)* 2−24467
small conveyor equipment for dosage of hopper-held and granular material *(German)* 2−23707
solid fuel conveyor system design rel. to belt reliability *(French)* 2−27697
thyristor automatic drive control system for electric conveyor trucks for improved manoeuvrability *(Hungarian)* 2−18631
vibration-actuated conveyor, wide range of AEG unbalanced motors *(German)* 2−23304

cooling
see also low-temperature production; magnetic cooling; quenching (thermal); refrigeration; supercooling
225 kV underground power transmission cables, natural and forced cooling, comparative economic benefits *(French)* 2−22918
500 MW, two-pole, with water-cooled rotor winding, design and manuf. *(Russian)* 2−4037
2100 MW generating plant cooling pond 2−3921
active solar cooling system 2−13091
active solar heating and cooling systems, performance and cost 2−13084
active solar heating and cooling using heat pump systems 2−13083
air conditioning system air treatment using absorbents, power-economic anal. *(German)* 2−23782
cable terminations for force cooled high voltage pipe type cable systems 2−27556
chemical heat pumps and competitive systems, cost effectiveness and energy consumption evaluation 2−13089
chopper control equipment for commuter service train, flon-evaporative cooling 2−4428
conduction cooled module for semiconductor chips 2−103
corrosion rate of cooling water, meas. *(Slovak)* 2−17960
cryogenic power transmission lines, counterflow cooldown 2−17742
cryoturbogenerator windings, cooled by thermosiphon method, optimum parameter choice 2−18160

cooling continued
DC motors, bidirectional, typewriter drive appl., paddle wheel exhaust fan system 2−27940
DC motors, square frame, low output range, cooling and noise charact. 2−7870
electric machines cooling by heat dissipation through heat pipes *(German)* 2−27848
electric utility combustion turbine vanes, blades, and hot section components, advanced cooling technology, development and demonstration 2−27771
electrical apparatus cooling using pressurized fluid, protection system using pressure sensor to prevent overheating 2−7079
electrical conductor wire, natural convective cooling 2−24752
electrical machines, small and large motors *(German)* 2−4054
French experience in the usage of photovoltaic batteries in developing countries *(French)* 2−23478
heat pipe heat sink, heat kicker for cooling of semiconductors *(Japanese)* 2−13290
heat pipes, probe cooling jacket and sandwich panel 2−3127
heat pipes for thermal interference between cables and hot pipes at crossing point *(Japanese)* 2−14326
heat pumps appl. in power stations *(French)* 2−7708
Heathkit H-13 mobile power supply, forced-air cooling 2−26388
heavy ion beams, laser cooling 2−7268
helium cryogenic plant for biomedical research 2−11977
HF amplifier, 10 kW, for long-distance communications *(French)* 2−24421
high-density Al plate core PWBs, elec. and thermal props., heat dissipation advantages 2−14375
hothouse winter and summer temperature control, using triac switches *(Spanish)* 2−28248
HV, cooling by heat-dissipation using heat pipes 2−27497
HV medium-size induction motors for electric motor drives *(Croatian)* 2−27924
HV underground power cables within trough in tunnel, indirect water cooling system *(Japanese)* 2−17732
induction magnetic probes, parameter change estimation at liquid N_2 temp. *(Russian)* 2−20551
induction motor, ventilation and cooling system analysis 2−12642
internally cooled cabled superconductors, transient cooling, stability 2−7553
ion storage ring, electron cooling 2−17203
large generators construction problems *(German)* 2−12583
laser cooling of atomic ions, atomic clocks and frequency standards precision improvement 2−11317
long distance cooling channel, temp. control using microcomputer 2−3757
low-noise transformer noise cooler for substations, innovative design 2−27988
modules, spring cooling slugs transfer device and carrier 2−94
motor cooling, heat pipe shaft development *(Japanese)* 2−18166
new system of storing and primary cooling of fish in villages of isolated fishers and based on solar energy *(French)* 2−23480
nuclear plants, bottoming cycle offers compact alternative to dry cooling 2−23021
nuclear power station cooling circuits, pump drives with convertor-fed synchronous motors 2−28150
packaging module heat dissipation increase by extension of electrical input-output pins 2−18999
passive heat pipe photovoltaic receiver, heat exchanger 2−18575
PCBs, high density metal core, elec. and thermal props. eval. 2−19957
POF cables, forced cooling system *(Japanese)* 2−17731
point-focus photovoltaic concentrator passively-cooled module, design and performance 2−18603
polychlorinated biphenyls filled transformers, problems 2−23329
power cable, evaporative cooling, steady state operation prediction 2−27514
power cable accessories, cooling method using heat pipe *(Japanese)* 2−17722
power cables, evaporative cooling, prediction of thermal performance with load changes, investigation 2−27515
power cables, oil-insulated and separately oil cooled for capacity improvement 2−27499
power semiconductors, cooling, packaging and protection 2−1326
power semiconductors, cooling and assembly in plate cases *(German)* 2−1325
power station wet/dry cooling using NH_3 phase change system, test facility, in USA, safety report 2−27753
power transformers, permissible operating time determ. after disconnection of forced-cooling installation *(Polish)* 2−7892
ranch house in USA, cooling energy saving by whole-house fan 2−13101
residential air-conditioning system for heating and cooling, alternative power sources 2−23776
sealed electronic enclosures, thermal performance improvement 2−109
semiconductor devices, air cooling method based on porous body 2−25167
semiconductor devices high-efficiency module cover for improved cooling 2−97
solar concentrator cells, passive cooling using Cu heat pipe with water/acetone working fluid 2−18559
solar cooling simulation programs for electric utilities, assessment and evaluation project, five major activities 2−12181
solar cooling simulation programs for electric utilities 2−12180
steam power stations, 600 MW, general design including fuel and cooling water supply *(German)* 2−27685
steam turbine condensers discharged heat utilisation possibilities and prospects *(Rumanian)* 2−12458
storage chip power control cct. 2−14112
sunscreens performance for reducing air-conditioning loads in residential buildings in San Diego County 2−23780
superconducting cable cooldown, temp. fields calc. 2−3758
superconducting magnet, potted, cooldown strain 2−5975
superconducting magnet current leads, effect of coolant loss 2−9950
surface cooling for difficult cable routes 2−27500
thermal power plant using seawater for condenser cooling, automatic control, anal. 2−17982
thermoelectric coolers, two-cascade, temp. and heat treatment effect on parameters *(Russian)* 2−4661
thermoelements, anisotropic, temp. independent transport coeffs., maximum cooling condition 2−20056
thermoelements, anisotropic, temp. independent transport coeffs., efficiency and performance in absence of mag. field 2−24912
total energy district heating and cooling in Reggio Emilia, Italy 2−23149
cooling continued
transformer coolant, silicone liquid, advantages 2−12688
transformers, cost effective opeating regime determ., math. model *(Rumanian)* 2−12690
tunnel air cooling design for underground power cables *(Japanese)* 2−17728
underground power cables, cooling technology *(Japanese)* 2−17727
underground power cables, direct water-cooling system *(Japanese)* 2−17733
underground power cables, forced cooling system, review *(Japanese)* 2−17726
underground power cables, indirect cooling method using heat pipes *(Japanese)* 2−17723
underground power transmission cables, indirect pipe water cooling system *(Japanese)* 2−17730
underground power transmission lines, indirect pipe water cooling system *(Japanese)* 2−17729
underground power transmission systems, appl. of heat pipe to cooling *(Japanese)* 2−17736
underground power transmission with conductor-cooled cables *(Japanese)* 2−17734
vapour-mist dielectrics, cooling and insulating media for vapour-cooled power transformers 2−9763
wafers, gas cooling during ion implantation 2−5666
water cooled elec. generators, cooling system and corrosion elimination *(German)* 2−12585
Westerbork Synthesis Radio Telescope, multifrequency cryogenically cooled front end receiver 2−26564
AlGaAs/GaAs solar cells high conc. photovoltaic module, development and testing with jet-impingement cell cooling 2−18602
Fe-Ni-Al alloy YuND4 magnets, cooling rate rel. to mag. props. 2−15129
H_2SO_4 chemical heat pumps for industry 2−13090
Nb_3Sn cable-in-conduit force-cooled superconductor, stability meas. 2−5976

cooling, splat *see splat cooling*

cooling towers
see also water supply
binary cooling tower process demonstration, test methods and results 2−27748
crossflow, plastics corrugated sheet arrangement for use as heat transfer packing 2−17923
evaporation-type with natural draught, economic evaluation of internal heat transfer *(German)* 2−27663
finned-tube heat exchanger dynamic behaviour model and expts. *(German)* 2−27616
Heller-Forgo air condensation systems, method of increasing capacity during summer *(Hungarian)* 2−17964
Kern power station, Bakersfield, California, dry cooling towers appl. to reduce water consumption 2−27714
natural draught cooling tower performance, which effects prediction by computerized model *(German)* 2−17954
natural-draught cooling tower emissions, atmospheric impact assessment 2−23124
Ohaki geothermal power station condenser-cooling tower pilot plant for design studies 2−23156
selection for large thermal power stations *(Croatian)* 2−7720
steam power plant waste treatment methods meeting zero liquid discharge requirements 2−23138
treatment of sewage plant effluent for use as makeup water 2−3812
ultimate-heat-sink cross-flow cooling tower and basin model for transient decay heat dissipation 2−23075
wet/dry cooling tower tests for water conservation 2−23074
Al alloys under simulated wet/dry cooling tower conditions, deposition and corrosion phenomena 2−27751

Cooper Hewitt lamps *see mercury vapour lamps*

copying *see reproduction (copying)*

copyright *see industrial property*

Corbino effect
see also Hall effect
No entries

core stores (magnetic) *see magnetic core stores*

cores
see also magnetic cores; powder cores; saturable core reactors
No entries

cornea *see eye*

corona
see also electric breakdown; flashover
750 kV power lines design choice and improvement 2−12202
air, DC positive streamer corona enhancement due to electronegative gas addition 2−14552
broadcast radio and TV interference, correction techniques for transmission line corona 2−25997
charge storage and transport in dielectrics, corona method 2−5830
controlled corona ion source for electrophotography 2−10411
corona-onset field strength calcs. and equiv. radius concept 2−5839
detection of corona discharges, limitation rel. to relevant communication theory for system noise and pulse detection in noise 2−9813
discharged current charact., from needle electrode, applications to thunderclouds detection 2−7172
electric wind in a system of electrodes corona needle-plane 2−9348
electrostatic precipitators, corona discharge struct., effect on deposition and reentrainment of fly ash 2−15652
enamelled wires, standard, elongated, elimination of crazing, corona inception voltage 2−14334
high-pressure corona discharge interaction with dielectric insulating materials, damage 2−9828
humidity effects, in diverging electric field, theory and expt. 2−9343
HV corona power supply, switching regulation and appls. 2−4284
HV fault location, partial discharge detectors, ultrasonic methods appl. 2−27583
HV insulators, silicone elastomer protective coatings 2−9807
HV overhead transmission line, quad bunch conductors, partial discharge problems *(German)* 2−12267
HV power lines, corona loss reduction *(Rumanian)* 2−27533
HV power overhead lines, bundle conductor design, corona loss annual coverage value determ. method *(German)* 2−3763
HVDC transmission lines, space charge environment generation due to corona discharges and effects 2−12278

corona continued
hyperboloid of revolution-plane configuration electrodes, obs. 2−9347
insulation, effects of corona and partial discharges, alleviation and exploitation 2−9811
low-voltage two-corona copier system, elimination of localized photoconductor destruction 2−25907
monopolar ions production by travelling wave corona discharge for electrostatic precipitators 2−10439
monopole antenna, response to EM pulse with corona, transmission line model 2−26040
negative point-to plane corona, electrode degradation 2−9814
overhead transmission line, mathematical model *(Polish)* 2−17751
particle charging in corona fields in air by wine bombardment and diffusion in dark space 2−9815
performance of power transmission lines, study in environmental chamber, feasibility 2−22942
polyvinyl acetate films, corona charged, surface charge decay characts. thickness depend. 2−13127
positive corona onset voltage computation in atmospheric air 2−9345
positive corona pulse characteristics from two interacting needles in air 2−9816
positive needle, influence of wind 2−9817
power transmission lines, AC corona noise investigation 2−3768
pulse corona discharges in electrostatic precipitators 2−10434
ring-grid electrodes, elec. characts. of air gaps *(Hungarian)* 2−18374
synchronous generator laminar insulation system phenomena preceding breakdown under action of strong electric field *(Polish)* 2−23267
unipolar corona discharge in hyperboloid-plane gap, calc. and obs. 2−9346
voltampere characteristics of corona discharge with nonlinear ion mobility, calc. method 2−20012
wire-plate electrostatic precipitator, laboratory scale, back corona effects 2−10443
xerographic plates charging, corona current control by mesh grid 2−18828
SF_6 gas, positive/negative point-plane corona inception under DC and 60 Hz conditions 2−9812
SF_6, point-plane corona pulses 2−15048
SF_6 rod-plane gaps, pre-breakdown discharges under positive switching impulses 2−20446

corporate modelling
environmental uncertainty and organizational technology policy 2−23931
periodic marketing ring, equilibrium and stability 2−8407

correlation methods
see also correlators
adaptive correlation regions for alpha-beta tracking filters 2−21861
ATE systems statistical evaluation 2−22127
clipped photon correlations, self-scaling 2−15925
convergence of adaptive filtering with decreasing step-size in the presence of correlated observations *(French)* 2−21331
cross-correlation functions meas. of stochastic processes, statistical errors 2−3026
data signal correl. anal. for attenuation and group delay calc. *(German)* 2−10682
generalized correlation measures for use in signal and image processing 2−15921
holography based on intensity correlation 2−20987
image processing, hybrid optical-digital, using pattern recognition methods for correl. signal evaluation 2−2391
incoherent optical correlation techniques and appls. 2−21377
locally maximised correlation 2−21389
medical diagnosis of foetal bradicardias, automatic 2−11931
moving target selection systems, intersurvey signal correlation 2−26521
narrow band random signal mean frequency measuring method using ternary signal auto correlation function *(Japanese)* 2−22344
noise insensitive determination of process data using a new digital correlator *(German)* 2−22438
noise spectral intensity meas. in sampled-data systems 2−16912
optical differential processing of images, stroke-classification of Chinese characters *(Chinese)* 2−6464
optical image correlation using acoustooptic spatial light modulator and CCD detector 2−25559
photogrammetry, image correl. techniques and devices 2−3588
random processes analysis, multichannel parallel correlometer with fast serial readout 2−11408
rough surface microstructure change and motion tracking meas., real-time speckle correl. by holographic matched filtering 2−26961
semiconductor detection unit for X-rays, with correlation charge-sensitive preamplifier 2−7280
speech pitch extraction by autocorrelation analysis and time-domain feature extraction methods 2−26107
state-space models of gravity disturbance gradients, Kalman filters design for inertial navigation system 2−6426
tapped delay line equaliser filters, fast start-up autocorrelation algorithm 2−6640
telecommunication circuits testing, correlation study of modern techniques used 2−22102
US flow meas., using cross-correlation technique 2−3100
voiced speech, windowing in linear prediction anal. 2−10661
volume codec testing techniques, correlation study 2−22103

correlation theory
see also correlators; information theory
acoustic correlation processing, effect of propagation fluctuation 2−15876
autocorrelation digital demodulator of frequency-telegraphy signals, noise immunity 2−15810
bounded signal set determination for a given time-bandwidth product 2−2408
coherent fluctuating signals, buried in nonstationary interference, multichannel sequential detect., students statistics appl. 2−15918
continuous-phase FSK performance in nonlinear satellite channels 2−6807
equivalent noise spectral bandwidth and correlation duration, uncertainty relation 2−2344
incoherent correlation filtering of composite signals 2−2234
Meteor radio-relay line, estimation of basic line charact. correl. props. *(Russian)* 2−26416
modulation type detection using autocorrelation of orthogonal filter outputs 2−21258
normal random signals, nonlinear transformation, correl. function. of output voltage 2−15920

correlation theory continued
optical signal processing, review, spectrum anal., correl., ambiguity function computation 2−21374
random processes, correlation coefficients of envelope and logarithm 2−15811
time-variant characts. of an underwater sound channel, correlation meas. method 2−15800
underwater acoustic signal detect. threshold effects in time-delay estimation via cross-correlation 2−26556

correlators
see also correlation methods; correlation theory; information theory
acousto-optical correlator, time integrating, based on light polarisation processing 2−15358
acoustoelectric SAW devices for signal processing, convolver, memory correlator and coherent integrator 2−1543
correlator with time integration, for radio signal spectral analysis *(Russian)* 2−11402
cross-correlator for signal detection/estimation in noise, optimum and sub-optimum filters, comparison 2−2343
Fabry Perot prefiltering, unfocused optical correlator 2−6473
Fresnel zone plate coded images, optical scanning reconstruction 2−15928
holographic intensity correlator using a laser cathode-ray tube 2−25869
holographic pattern recognition methods 2−20976
integrated optical spatial filters, passive and active 2−6041
intensity/phase autocorrelator for ultrashort optical pulse meas. 2−17147
noise filters, self-optimised, microprocessor-controlled, for random pulse counting 2−22207
noise insensitive determination of process data using a new digital correlator *(German)* 2−22438
optical correlator with extended depth of field/, preprocessing with Fabry-Perot etalon 2−2378
optical memories, large capacity, correlator appls. 2−2392
optical system, image recognition in diffraction intensity correlators/ 2−2383
real-time correlator for photon statistics investigations 2−6471
SAW, design and development 2−25415
SAW device applications in analogue chirp transform correlator and microscan receiver systems 2−1542
SAW storage correlator for signal processing 2−1540
system optimisation, using harmonic analyser and correlator *(Rumanian)* 2−26070
GaAs IC compatible SAW devices 2−25412

corrosion
see also corrosion protection; corrosion testing; electrochemistry; stress corrosion cracking; surface chemistry
AGR, implications for condensate purification of operation at pH 9.6 2−7669
alloys, amorphous, as corrosion-resistant optical storage media 2−1677
amorphous alloys, recent studies, review *(Japanese)* 2−15130
biofouling in simulated OTEC evaporator tubes on at-sea research platform at Punta Tuna, Puerto Rico 2−7786
condenser tubes corrosion prevention by good design and proper operation 2−23102
conductors on ceramic substrates, electrochemical model 2−24820
cooling water corrosion rate, meas. *(Slovak)* 2−17960
electrolytic corrosion in electrical components, destructive effects 2−15063
gas turbines operating on pressurised fluidised-bed combustion flue gas, behaviour prediction 2−27768
multilayered ceramic top brazed flat packs, moisture effects and galvanic corrosion 2−13294
nuclear plant decontamination methods, aspects 2−3854
nuclear plant decontamination methods, aspects 2−7635
nuclear steam generating systems, chem. thermohydraulics 2−7667
nuclear steam generator materials, pitting corrosion studies 2−7675
nuclear steam generators, system chemistry consideration 2−7668
oil-fired steam generator, corrosion in regenerative air pre-heaters, math. model *(Rumanian)* 2−12457
PC materials, long-term hydrolytic stability 2−14417
PWR boilers, corrosion product removal from secondary side, demonstration test results 2−3857
PWR boilers, corrosion products on secondary side, chemical removal process 2−3856
scale exfoliation in boiler superheater and reheater tubes, laboratory test programme 2−12486
solid fluorides as electrolytes, strong resistance to corrosion by fluorinated reagents *(French)* 2−12775
steel, Alloys 800, 600, 690, materials requirements for PWR steam generator tubing 2−7666
steel, Cr-Mo, LMFBR steam generator materials experience 2−7677
steel, supercritical boilers using ammonia-hydrazine water treatment, formation of magnetite in feedwater circuits 2−17995
suspension isolators, pin corrosion, mechanism and protection 2−7563
tackling erosion-corrosion in nuclear steam generating plant 2−3850
underground Al cables, LV and MV, compression jointing problems *(Spanish)* 2−22928
water pollution aspects at Swiss PTT, protection measures, corrosion problems, quantitative and qualitative measurements *(German French)* 2−12091
Al alloys under simulated wet/dry cooling tower conditions, deposition and corrosion phenomena 2−27751
Al metallisation corrosion in plastic encapsulated ICs, accel. by CF_4-O_2 plasma in presence of die attach epoxies 2−14942
Co-Cr perpendicular recording medium by vacuum deposition, mag. and struct. props. 2−15127
Cr-Ni-Mo steel corrosion-resistant condenser tube development *(German)* 2−27682
Cu thick film microcircuits, environmental effects 2−1063
GaAs crystals, selective corrosion and selective growth *(Chinese)* 2−4984
n-GaAs, photoelectrochemical corrosion, effect of Au monolayer 2−5649
Pb, fibre reinforced, anodic corrosion 2−18433
Pb-acid battery grids, pasted, corrosion-resist, composite cell testing 2−7975
Si_3N_4 ceramics, sintering techniques, material props. and appls. 2−614
$SrTiO_3$ photoanodes for photoelectrochemical cells, photocorrosion 2−18414
Ti as construction material in biomedical electronics *(Czech)* 2−27107

corrosion control *see corrosion protection*

corrosion fatigue *see stress corrosion cracking*

corrosion fatique testing *see corrosion testing*
corrosion prevention *see corrosion protection*
corrosion protection
see also anodisation; corrosion; corrosion protective coatings; packaging; pH control
BWR intergranular stress corrosion cracking, causal factors and mitigation 2−23063
BWR startups, dissolved O_2 and H_2O_2 concentration control procedures 2−3879
BWR startups, dissolved O_2 and H_2O_2 concentration control procedures 2−7689
carbonate fuel cell technology progress 2−12843
central receiver system utilising molten nitrage salts for heat transfer and energy storage, materials requirements 2−3985
coal-fired power boilers, tube corrosion protection, soln. 2−7727
concentric neutral cables, cathodic protection systems, drawings and graphs 2−27519
concentric neutral cables, cathodic protection systems, tests, data, and analysis 2−27518
corrosion experience in large steam turbines, monitoring and control 2−17979
domestic electrical appliances packaging and protection against corrosion 2−4483
electrolytic corrosion in electrical components, destructive effects 2−15063
Incoloy 800 and Inconel 600, steam generator tube for PHWR, NaH_2PO_4 evaluation as denting inhibitor 2−7673
nuclear boiler tube denting corrosion limitation by isothermal soaking 2−3853
nuclear power station concrete press. vessel., 20 MN breaking load tension member development *(German)* 2−7639
online surveillance and monitoring of plant reliability, conf., London, England (Sept. 1980) 2−8236
PCBs, protective coating for outside use environment 2−14365
photoelectrochemical solar cells, photocorrosion process on n-GaAs and corrosion prevention 2−12913
pipe-type cables with cathodic protection, earthing devices to cope with fault currents 2−12249
power plant brass condensers, experimental anal. of corrosion inhibition *(Czech)* 2−3811
present applications of chemistry/ in thermal power stations/ *(German)* 2−3904
steam generators, corrosion control using amines 2−12471
steam plant cooling ccts., chemical indices limit values *(Rumanian)* 2−12462
steam power plant surface condensers, EPRI funded research projects in 1981 2−27744
suspension isolators, pin corrosion by Zn sleeve 2−7563
underground communications cables, corrosion protection in urban regions 2−16326
water cooled elec. generators, cooling system and corrosion elimination *(German)* 2−12585
Al and Al-Cu films, reactive ion etching induced corrosion 2−14803
Co based superalloy, attack by chemical and electrolytic processes 2−27256
Cu-Ni alloy resistance to NH_3 corrosion in simulated steam condenser conditions 2−23123
Ni, based superalloy, attack by chemical and electrolytic processes 2−27256
corrosion protective coatings
ceramic coatings as positive current collectors for Li-Al/FeS_2 batteries 2−28093
enamel, development in the USSR for steam boilers 2−27737
fuel cell appl. 2−18463
gas turbine blades protection, using Pt-Al diffusion coating 2−27255
PCBs, protective coating for outside use environment 2−14365
polypropylene coatings for prevention of corrosion in wire processing 2−24749
steam turbines, low press., avoiding corrosion by coating 2−17983
Al for nuclear elements 2−27633
Cr coated mild steel, behaviour in Na polysulphide environment 2−18447
Cr rich diffusion coating for low C steel for S container in Na-S cells 2−18446
Mo, plasma arc spray coatings for fluidic pyrometer 2−11472
Na-S cell, corrosion resistant current collector, tests 2−12828
Si resin coating for thin film resistors 2−9327
SiO_2, plasma deposition on GaAs 2−25161
corrosion testing
260 MWe combined cycle power plants burning low grade fuels, hot component corrosion metallographic evaluation 2−27757
HTGR, steam generator materials performance 2−7664
Incoloy 800 and Inconel 600, steam generator tube for PHWR, NaH_2PO_4 evaluation as denting inhibitor 2−7673
Inconel 600, corrosion in LWR coolant by cationic resin beads 2−7674
laminated insulants subjected to inclined plane tracking tests, electrode material effect 2−9764
PCB electrolytic corrosion effects, insulation resist. meas. of laminate following humidity cycling 2−14455
PCb wave-soldering, non-rosin based fluxes, developments 2−14448
PWR steam generator materials, Cu and Ni compounds effects on corrosion 2−7670
reactor fuel performance testing with respect to pellet clad interaction 2−7656
semiconductively glazed insulator surfaces, electrochemical deterioration 2−9762
steel, stainless, automatic inspection of intergranular corrosion tendency, potentiostat programmers' appl. 2−19476
steel, stainless, optical inspection of small-diameter deep bores using rod optics with low-light television and still photography 2−5053
tracking and erosion consideration of physical proceses 2−9823
tubing, alloy 600, corrosion damage cause determ. by destructive examination 2−3934
AgCu 10 contact material corrosion resist. *(German)* 2−9263
Co-P magnetic electroless thin films, effective life 2−20481
corundum
see also ruby; sapphire
No entries
cosmic ray apparatus
see also particle detectors
A/D convertor unit design for cosmic ray air shower expts. 2−27087
double neutron monitor appl. to cosmic ray multiplicity studies 2−27047
cosmic ray apparatus continued
drift chambers as track detectors for heavy ions 2−27074
EAS muon scintillator detectors, pulse profiles study 2−3382
gamma-ray scintillation detector, calibration procedure 2−7423
muon in EAS, system to record time spread 2−3381
scintillation detector for low energy electrons in upper atmos. 2−7422
Costa Ribeiro effect *see dielectric phenomena*
Cotton-Mouton effect *see birefringence; magneto-optical effects*
counter accessories
see also counting circuits
digital neutron-gamma pulse shape discriminator tests with NE213 scintillator 2−3425
counters
see also Cherenkov counters; counting tubes; fission counters; Geiger counters; proportional counters; scintillation counters; semiconductor counters; spark counters
6502-based freq. counter characts. 2−11778
EIP 575/578 source locking microwave counter, microprocessor control, multifunction test equipment 2−16804
fission fragment detector for cross section and angular distrib. meas. 2−7287
multi-scalar system 2−17231
counters (circuits) *see counting circuits*
counting circuits
see also coincidence circuits; pulse height analysers; scaling circuits
advanced sequential circuits, shift registers and counters 2−24576
audio-frequency counting, simple add-on unit, construction details 2−781
calculator with print-out, conversion to printing counter 2−26787
controlled counter for calendar clock 2−26891
decade counter, reversible, operating at 14 MHz 2−11518
digital counter decades with operational and long-term memory 2−11409
digital counting circuit for low frequency rate meter 2−7311
digital frequency counter for VHF receivers *(German)* 2−26612
digital ratemeter using input pulse rate averaging 2−7290
distribution networks, frequency of occurrence and magnitude determ. using automatic counter *(Slovak)* 2−3041
Fairchild F100136 ECL counter/register IC, operation and appls. *(German)* 2−19749
IC U 124 D appl. in timing circuits *(German)* 2−879
injector pulse counter for a linear accelerator 2−27089
lifetime meas. of positrons and positronium in condensed media 2−17296
microprocessor driven ultrafast multichannel event counter 2−17297
odd divisor counter using twisted ring shift counter 2−9124
photon counting systems, one-electron pulse selector circuit 2−14039
program counters for Josephson circuits 2−9130
radioisotopic instrument accuracy, optimisation of detector load *(Russian)* 2−3420
selective sampling method for high count-rates 2−11854
Tektronix TM 5000, function generator, counter, multimeter, interface, computer-instrument controller *(German)* 2−22043
universal digital clock-counter chip using TTL and MOS circuitry *(German)* 2−19756
counting tubes
see also dekatrons
No entries
country planning *see town and country planning*
county planning *see town and country planning*
coupled circuits
bandpass passive filters, coupled tuned cct. realisation, critical selectivity curve 2−14202
coaxial cables coupling in multi-cable system, lumped-circuit model 2−9259
DC-link converter, spectral analysis of voltages and currents *(German)* 2−18315
digital frequency multiplier using multi-section two-strip coupled line *(Japanese)* 2−9213
dispersive transmission lines, characterisation and simulation 2−2170
two stage recircular with frequency shift, influence of forward couplings 2−24632
coupled networks *see coupled circuits*
coupled superconductor devices *see superconducting junction devices*
couplers (electric connectors) *see electric connectors*
couplers (waveguide) *see waveguide couplers*
coupling (process) *see joining processes*
coupling circuits *see coupled circuits*
CPA calculations
Si:H, amorphous, transport props., CPA calc. 2−20101
crack detection
see also cracks
acoustic imaging techniques for nondestructive testing 2−8897
adaptic filtering appl. 2−8876
alloy spike detection and charact. in power transistors using trans. acoustic microscopy 2−8910
B-scan resolution enhancement using Fourier transform holography 2−8903
badly oriented defects, orientation and size determ. by focused US probes 2−8874
brittle creep rupture detection at welds by AE 2−19470
butt weld, automatic interpretation of radiographic monitoring 2−633
coarse grained material, US testing, signal to noise ratio improvement by signal averaging 2−8920
composite material, US methods for characterising response 2−8880
debond inspection in solid rocket motor section, acoustical chirp frequency and computer correl. technique 2−8913
detectoscope with electronic directional scanning, acoustical component 2−639
digitised video image processing *(German)* 2−6947
dimensioning flaws in pipeline girth welds by radiographic methods 2−8867
directivity pattern of oblique-entry probe, calc. 2−638
ductile creep rupture detection at welds by AE 2−19471
eddy current appl. 2−8934
electroacoustic detector for fossil-fuel-fired boiler tube damage *(German)* 2−27681
engineering materials, quantitative US eval. of mech. props., review 2−8879
fatigue crack initiation, assessment by acoustic emission 2−8884

crack detection continued
fatigue testing, HF, reson. freq. changes due to plastic deform. and crack initiation 2−24341
fatigue testing machine, computer controlled, lifetime and crack growth meas. 2−19481
ferromagnetic resonance flaw detection, using eddy current detector 2−11452
fission reactor material, elastic moduli meas., 20 to 1100°C, US method 2−8888
focused probe for US angle beam testing 2−8900
focused probes for US detection, imaging and sizing of flaws 2−8899
focused sound field, US eval. of materials 2−8901
glass ceramics, critical flaw size meas. rel. to fracture toughness, SEM backscatt. electron image appls. 2−8871
graphite fibre reinforced epoxy laminate, fatigue damage monitoring by US mapping 2−5043
high efficiency photoacoustic cell utilizing PZT for flaw detection 2−8858
holographic interferometry, real-time 2−8852
hybrid microelectronic appl. of acoustic microscopy 2−8909
laser probe detection of Stoneley wave interactions with material boundary defects 2−8917
laser probe for SAW meas., appl. to crack detection in NDT 2−25479
longitudinal creeping wave appl. and creeping wave probes 2−24345
metal, anomaly detection by electric discharge in gases 2−5052
metal, structural parameter charact. by velocity and attenuation meas. of US waves 2−8878
metal, synthetic aperture US imaging 2−8898
near-surface crack detection by ultrasound 2−8873
nozzles in ink jet printers, in situ detection of defects in nozzles, method 2−24343
nuclear in-service inspection, metallurgical flaw detection methods 2−23019
phase insensitive transducer-theory and application 2−8882
pipeline distributed processing system for real time pattern recognition applications 2−8905
point density and defect characterization via measurements of ultrasonic bulk waves 2−8923
pulsed US flaw detection, transducers, review of theory 2−646
radiographic index technique for defect sizing in pipe welds 2−8865
real-time holography of PCs 2−10382
sizing with scattered US waves 2−8877
steel, austenitic stainless, US detection and meas. of defects, literature survey 2−8855
steel, austenitic stainless, US flaw detection technique for welds 2−8868
steel, austenitic weld, coarse grained material, US testing, signal to noise ratio improvement by signal averaging 2−8920
steel, mild and structural, AE associated with fracture processes 2−13876
steel, Mn, ferritic, AE during crack growth, sources 2−13878
steel, pressurised water reactor, review of AE appl. 2−8870
steel, quantitative determ. of grain size and inhomogeneity detection by US backscattering meas. 2−8881
steel, stainless, Ni plated, specimen preparation using electroless technique 2−13874
steel, stainless, pipe weld, crack detection using US signal processing, appl. of adaptive learning networks 2−8922
steel, structural and weldments, AE rel. to deform. and fracture 2−13877
steel austenitic stainless, crack depth meas. in overlays by US testing 2−5054
stress intensity factor measurement of surface cracks, surface acoustic wave probe appl. 2−8875
stressed struct. surface coating technique to detect open cracks 2−630
subsurface-flaw detection with models ITs-61 or -70 US head wave probes 2−13900
surface flaw charact. using acoustic microscopy 2−8908
surface layer inspection using US head waves, probe 2−636
thin plates and diaphragms, optical technique 2−629
transducer design for pulsed US flaw detection 2−13897
tube testing with concentric US transducers, optimisation 2−8902
US appl., new techniques for quantitative NDE 2−13872
US flaw size determ. using response envelope width 2−8853
US imaging, two transducer test bed 2−8904
US materials charact., conf. Gaithersberg, USA (June 1978) 2−8148
US methods for characterising response 2−8880
US pipe inspection, involute search unit 2−5042
US spectroscopy, water immersion method, computerized model for flaw size and direction calc. 2−5041
weld defect detection, X-ray and US exam. 2−19473
X-ray flux scanning, improved performance 2−634
Al multilayered adhesively bonded structures, appl. of adaptive learning networks to US signal processing, flaw classification 2−8912
SiO_2, fused optical flats, US interactions with thin air layers 2−8915

crack inspection *see crack detection*

cracking *see cracks; fracture*

cracking, stress corrosion *see stress corrosion cracking*

cracking, thermal stress *see thermal stress cracking*

cracks
see also crack detection; fatigue cracks; stress corrosion cracking; thermal stress cracking
elastic waves and microstruct., conf., Oxford, England (Dec. 1980) 2−13875
on the stress trajectories of membrane forces in cracked reinforced concrete slabs 2−8665
photovoltaic solar modules, mechanical failure anal., fracture mechanics appl., cracking mechanisms for Si and cover materials 2−23602
plane elasticity, numerical integration 2−8770
solar cells and solar cell welds, scanning laser acoustic microscope examination 2−18582
steel, stainless, weld overlay, H-induced cracking in heat-affected zone of steam generator forging 2−7672
Au-Sn-Al metallisations on GaAlAs, interfacial struct. studies 2−5705
Fe-C alloys and structural steel, AE during tensile tests 2−13881
$LiNbO_3$ used in SAW devices, effects of ferroelec. domains on surface struct. 2−15058
SiO_2 core optical fibre, tribolum. spectrum 2−25477
V-Ga wires and tapes, quench cracking, low-temp. brittleness, transition temp. 2−8842

cranes
see also hoists
automatic hot slab handling crane in steel rolling mills, technical features *(Japanese)* 2−18837

cranes continued
floating for off-shore construction, convertor-fed DC drives rated at 3100 kW, supply problems 2−23851
high power portal, AC drive charact. 2−4395
mobile, use in erection of radio engineering equipment *(German)* 2−10979
speed controlled electric drives for cranes using tubular cage motors *(Hungarian)* 2−23668
trolley receivers optimal parameters *(Polish)* 2−18841

creep
see also creep fracture; creep testing; stress relaxation
composite materials for flywheel energy storage system, creep charact. determ. 2−12956
concrete structures, differential creep stress analysis 2−13654
gas insulated substations, mechanical props. of particulate-filled epoxy resins 2−18399
nonlinear creep buckling analysis of initially imperfect shallow spherical shells 2−8730
polyester fibres, modification of struct. by stretching and thermal treatment *(German)* 2−13867
steam turbine components, service life determ. and evaluation 2−27695
underground Al cables, LV and MV, compression jointing problems *(Spanish)* 2−22928
Al, jumplike deformation during low temp. creep, rel. to supercond. 2−9892
Cu, jumplike deformation during low temp. creep, rel. to supercond. 2−9892

creep fracture
brittle creep rupture detection at welds by AE 2−19470
ductile creep rupture detection at welds by AE 2−19471

creep testing
bisphenol A epoxy resin props. for radiation-resistant magnet coil insulation 2−2104
micromechanical props. anal., automatic system 2−26732
Ni alloy 263, US method of nondestructive creep eval. 2−5050
Ti alloy IMI 230, US method of nondestructive creep eval. 2−5050

crestatrons *see travelling-wave-tubes*

crimping
wire wrapping and crimping techniques *(German)* 2−8264

critical current density (superconductivity)
A15 compounds and elementary composite superconds., supercond. props. alteration by elastic strain 2−9891
amorphous alloys, supercond. props., review 2−15239
DC Josephson current/ in cylindrical junctions/ 2−1618
multifilamentary composites, crit. current strain depend., use of MAXIMSUPER computer program 2−9907
research activities at Electrotechnical Institute, Slovak Acad. of Sciences, review 2−9881
Cu-Nb_3Sn untwisted composite, AC losses, critical current density 2−9894
Cu-Nb-Sn, cold powder-metallurgy processed multifilamentary composite, fabrication, current density 2−8843
Cu-Nb-Sn multifilamentary in situ wires, high-temp.-gradient casting 2−8844
Cu-V_3Ga composites, in situ prep., supercond. and mech. props. 2−9905
$(Nb,Ta)_3Sn$ multifilamentary wires, bronze process fabrication, supercond. props. 2−9899
Nb-Ti alloy, superconductors, present status and pot. for improvement 2−9890
Nb-Ti-Ta(Hf), supercond. crit. field, H_{c2}, enhancement by alloy additions 2−9902
Nb_3Ge long tape with T_c above 20K 2−5916
Nb_3Sn composite-processed, alloying addition effect on comp., growth rate and supercond. props. 2−9883
Nb_3Sn, composites preparation, props. and improvements in current-carrying capacities in high mag. fields 2−9895
Nb_3Sn conductors as AC transmission cables, props. 2−9896
Nb_3Sn filamentary superconductor manufactured by solid-liq. diffusion process 2−5922
Nb_3Sn, multifilamentary, internal bronze fabrication, supercond. props. 2−9900
Nb_3Sn, multifilamentary, crit. current strain depend., use of MAXIMSUPER computer program 2−9907
Nb_3Sn multifilamentary conductors, H effects on current density 2−1632
Nb_3Sn multifilamentary conductors, Al, Cu stabilised, heat pulses effects 2−5969
Nb_3Sn multifilamentary conductors, bending, tensile stress effect on critical currents 2−7555
Nb_3Sn multifilamentary wires, low temp. phase transform. and strain depend. of critical current density 2−1599
Nb_3Sn multifilamentry wires, in situ prep., high field crit. current density, mech. stresses effect 2−9904
Nb_3Sn/Nb-Ti composite-processed superconductor, high field props. 2−9882
Nb_3Sn-Cu composite, powder preparation, critical current density 2−9893
NbTi-based alloys, critical current density in high fields 2−1594
$PbMo_6S_8$ wires, critical current density, critical field 2−9908
Sn cylindrical Josephson junctions 2−15258
V-Ga/Cu-Ga-Al composite system, metallurgical processing, superconducting props. of V_3Ga wires 2−8847
V_3Ga bronze processed wires, effect on props. of adding In, Zn, Mn 2−5915
V_3Ga-Cu in situ multifilamentary composite, preparation and superconducting props. 2−8845
V_3Ga_2, composites preparation, props. and improvements in current-carrying capacities in high mag. fields 2−9895

critical currents
see also critical current density (superconductivity); flux creep; flux flow; flux pinning
Josephson junction, distributed inhomogeneous static props. *(Russian)* 2−15269
research activities at Electrotechnical Institute, Slovak Acad. of Sciences, review 2−9881
SQUID, DC, current noise, thermal activation model 2−20580
SQUID, DC, near quantum noise limit 2−20581
SQUID, resistive, with large crit. current, Josephson oscillation 2−9935
SQUIDs, DC tunnel, critical current versus magnetic flux characteristics 2−1622
superconducting magnet system, quench propag., coil and protection design, computer program 2−9949

critical currents continued
superconducting tunnel junction, low β_c, with magnetically suppressed crit. currents, I-V characts. 2—1612
superconductive metallic weak links, heating and dynamic enhancement 2—20603
superconductor-insulator-supercond. microbridges, fabrication, elec. props. and modelling 2—25451
$Er_{0.58}Ho_{0.42}Rh_4B_4$-Nb oxide-Nb point contact junction, temp. depend. of Josephson current 2—1617
Nb microbridges, fluctuation induced transition between superconducting and dissipative states 2—15241
Nb superconducting bridge, short variable-thickness, vortex flow regime 2—5940
Nb-Hf/Cu-Sn-Ga, multifilamentary supercond., crit. current, strain effects 2—9886
Nb_3-Sn-Nb-bronze composites, supercond. props., stress effects 2—9906
Nb_3Sn composite supercond., cooled by normal and superfluid He, stability 2—15237
Nb_3Sn, filamentary, supercond. props., stress effects, mag. fusion energy program appl. 2—15240
Nb_3Sn, multifilamentary, strained, self-healing effect 2—9885
Nb_3Sn multifilamentary superconductor, strain-scaling law, uniaxial and bending strains 2—5926
Nb_3Sn multifilamentary wire, crit. current in high mag. field 2—1601
Nb_3Sn multifilamentary wires, crit. current and pinning behaviour, 4.2K to crit. temp. 2—9898
Nb_3Sn, strain effect on critical current 2—1600
Nb_3Sn superconducting cable, internally cooled, performance in solenoid 2—5974
$Nb_3Sn/Cu/Nb_3Sn$, high transition temp. supercond.-normal supercond. microbridge 2—15266
Pb Josephson junction, energy gaps and crit. current, quasiparticle injection effects 2—20576
Sn microbridges, fluctuation induced transition between superconducting and dissipative states 2—15241
Sn, superconducting microbridges, dielec. discharge fabricated, crit., excess and enhanced currents 2—20574
V-V_xO_y-Pb(CdS-In) Josephson junction, max. supercurrent, temp. depend. 2—20577

critical field, superconducting *see superconducting critical field*

critical fluctuations
two terminal circuit, phase transition 2—678

critical path analysis
see also project engineering; systems analysis
business project control, critical path program package 2—66
dynamic routing, critical path selection features for service and economy 2—6488

critical path scheduling *see critical path analysis*

critical temperature, superconducting *see superconducting transition temperature*

CRO *see cathode-ray oscilloscopes*

crocidolite *see asbestos*

crops *see farming*

crosstalk
attenuation characteristics in coaxial cable due to random assembling *(Japanese)* 2—21418
balanced twisted pair ccts., prediction of crosstalk 2—21138
cable digital transmission techniques *(German)* 2—10756
coaxial cables coupling in multi-cable system, lumped-circuit model 2—9259
computer simulation in satellite video transmission 2—6349
cross-polarized digital microwave transmission, depolarization equalizer based on adaptive linear equalization 2—2689
digital PCB testing, test fixture noise reduction method 2—3047
group time delay nonuniformity of RF baseband channel for transmission of accompanying sound channel on subcarrier 2—10520
holographic storage device in single-hologram-recording mode of operation, crosstalk level 2—2054
K-60P transmission systems in parallel with multi-pair balanced cables, calc. of unintelligible noise power from crosstalk 2—16327
mobile radio, co-channel protection ratio, subjective testing 2—21758
modulation problems when using multielectrode valves *(German)* 2—21263
multiconductor transmission line, computation of crosstalk 2—15748
optical fibre multichannel communication, ang. multiplexing 2—6013
optical multi/demultiplexers for single-mode fibre transmission 2—9988
optoelectronic matrix switch using InGaAs/InP heterojunction switching photodiodes 2—1801
PCB high speed digital design, interconnection effects on cct. performance 2—14396
PCM regenerator design for crosstalk-limited environments, equalizer optimisation 2—2651
PCM trunk networks, design criteria 2—16322
principle and suppression techniques *(Italian)* 2—6338
repeater housing, departure from Gaussian amplitude distribution 2—21709
symmetrical cable, crosstalk attenuation value and electostatic coupling 2—21713
telephone lines checking equipment *(French)* 2—16819
telephony, two-wire digital transmission in the loop plant 2—16027
transmission line modelling of shielded wires for crosstalk prediction 2—15747
TTL high-speed logic circuits interconnections, design recommendations 2—24501

CRT *see cathode-ray tubes*

crushing strength *see compressive strength*

cryoelectric stores
see also cryotrons; superconducting devices
Josephson interferometer RAM cell, nondestructive read-out single flux quantum 2—20560
Josephson junction computer *(Japanese)* 2—9941
Josephson technology applics., review 2—15270

cryogenic pumps *see cryopumping*

cryogenics
see also cryoelectric stores; cryopumping; cryostats; cryotrons; low-temperature production; low-temperature techniques; magnetic cooling; refrigeration
Allen-Bradley resistors, resist. creep at low temps. 2—22226
cooling channel, long distance, temp. control using microcomputer 2—3757
engineering materials, conf. Madison, WI, USA (Aug. 1979) 2—8147
Francis Bitter National Magnet Laboratory, USA, cryogenic research facilities 2—15272
future of cryogenic technology in india and role of engineers 2—8199
HV high current cryogenic bushing 2—17756
liquids, portable calibration densimeter 2—11638
LNG cryogenic power generating plant development outline and progress *(Japanese)* 2—27842
long distance cooling channel, temp. control using microcomputer 2—3757
mass meas., resonance high frequency level sensor appl. *(Russian)* 2—16942
measurement, control and evaluation of cryothermal test with a large IBM computer 2—22425
NMR gyroscope, rotation-sensing device, He isotope appls. 2—16946
plug and socket, 100 A, for use at liq. He temp. 2—19920
power consumption reduction *(German)* 2—23784
power transmission cables, feasibility study *(Japanese)* 2—17735
radiotelescope, low-noise mm-wave Schottky mixer receiver for astronomical obs. from 80-120 GHz 2—21894
radiotelescope, mm-wave receiver, 200-350 GHz range, all solid-state, appl. 2—21893
resistance thermometer, based on Cu-Ni-Fe-Mn alloy, 4.2 to 120K 2—16940
superconducting cable cooldown, temp. fields calc. 2—3758
superconducting generator, AC, self-regulating transfer modes of liq. He to rotor 2—4020
superconducting gyroscope, cryogenic gas spin-up system 2—20607
superconducting magnet current leads, effect of coolant loss 2—9950
superconducting magnet system, quench propag., coil and protection design, computer program 2—9949
tunnel diode oscillators, stabilisation using supercond. cavities 2—19585
UHF tunable low-loss circulator for cryogenic appls. 2—24661
UHF ultra-low noise cryogenic FET preamplifier 2—19572
US level sensor for cryogenic liquids 2—22225
welding in high vacuum *(German)* 2—18804
Westerbork Synthesis Radio Telescope, multifrequency cryogenically cooled front end receiver 2—26564
wind tunnel force instrumentation, using strain gauge balances 2—22624
Ar, liquid, dielectric breakdown rel. to press., voltage polarity, pulse width and impurity 2—1492
AuFe-NbTi millikelvin temperature thermocouple thermometer 2—22256
He, liq., rotating dewar, bayonet coupling of transfer tube investig. 2—23236
He, liquid, dielectric breakdown rel. to press., voltage polarity, pulse width and impurity 2—1492
N_2 cable insulation 2—27523
N_2, liquid, dielectric breakdown rel. to press., voltage polarity, pulse width and impurity 2—1492

cryopumping
semiconductor production, cryopump system *(Japanese)* 2—25118
space chambers, small, vac. pumping systems *(Japanese)* 2—27240

cryosorption *see sorption*

cryostats
cryomagnetic system, 10 tesla, for neutron scatt. meas. 2—25466
cryoturbogenerator rotor shells, EM forces and losses, two-dimens. model 2—18159
cryoturbogenerator windings, cooled by thermosiphon method, optimum parameter choice 2—18160
electrocalorimetric apparatus for loss meas. in supercond. 2—17001
ion implantation, low temp,. irradiation equipment for meas. down to 150 mK 2—3355
measurement cell, solid dielectrics meas. 2—7193
multipin electrical feedthrough, miniature design for vac. and cryostat use 2—24769
superconducting magnetometer 2—22257
variable temperature implantation and anal., medium energy facility 2—5668

cryotrons
No entries

cryptography
see also computer installation; data privacy
addressable satellite encryption system for preventing signal piracy 2—21774
authentication of time-invariant quantities 2—2526
broadcast key distribution 2—2481
cable TV signal scrambling system advantages and pitfalls 2—26638
cipher system by AEG-Telefunken for data communication 2—2555
computer networks, integrating the data encryption standard 2—2525
data communicaton systems for military, EFTS, manufacturing appl. 2—15828
DES encryption, AmZ8068, for data security 2—10651
electronic mail digital signature 2—21478
encipher/decipher data operations, terminal control, static session keys table generation 2—21588
isolation of cryptographic functions via operation sub-sets 2—2263
LSI algorithm, DMA oriented implementation 2—10767
LSI implemented cryptographic algorithm 2—10766
master keys for group sharing 2—21295
multiple communication cryptosystem 2—10639
multiple communication cryptosystems 2—2271
on sharing secrets and Reed-Solomon codes 2—10626
personal key crypto with insecure data terminals, appl. 2—2581
Racal-Milgo Phoneplex-24 vocoder and Datacryptor II 2—21664
significance and appl. description 2—2256
stream cipher appls. and techniques 2—10870
Telekrypt-Mini flexible modular cipher device 2—15996
telemetry signal scrambling at Navy RDT and E ranges, impact 2—10820
US data encryption standard 2—26090

crystal chemistry
see also crystallography
II-V compounds, physical and chemical props., and applications 2—14670
p-SnTe epitaxial thin film, elec. transport, nonstoichiometry effect 2—5598

crystal cleavage *see brittle fracture*

crystal defects
see also crystal inclusions; defect electron energy states; dislocations; grain boundaries; point defects; stacking faults; twinning
bipolar transistor slice yield, influence of B induced and oxidation induced defects 2−25211
bipolar transistors, LF noise and crystallographic defects correl. 2−25209
semiconductor characterisation by Raman scatt. 2−9396
semiconductor devices, test of correlation between crystal defects and elec. parameters *(Hungarian)* 2−14743
semiconductor material/device characteris. using two-wavelength laser scanner 2−10405
semiconductor wafer defect control, gettering procedures 2−14741
spikes prevention in Al layers on Si surface 2−1322
GaAs, laser annealing induced defects 2−20078
GaAs:Si MBE layer, doping 2−9559
GaAs-$Ga_{1-x}Al_xAs$ multilayer epitaxial heterocomps., elec. active defects, combined SEM and TEM obs. 2−24959
InGaAsP-InP DH LED, accelerated aging and high temp. degradation 2−6117
$LiFeO_2$, elec. props. and phase transform., complex admittance study 2−14661
n-MoS_2/I^-,I_2/Pt electrochemical solar cell, with layer-type semiconductor anodes, performance 2−4368
Si, carrier transparent and device performance, influence of cryst. defects, book contrib. 2−1169
n-Si crystals, electron scatt. by clusters, Hall effect and magnetoresist. study 2−14631
Si, Czochralski grown, internal gettering centres and SiO_x precip. nucleation 2−25159
Si, defect introduction during prep. and device processing, book contrib. 2−1167
Si, defect-free device processing, book contrib. 2−1278
Si, impurities and defects, effect on semicond. technology, book 2−12
Si, impurity and defect characterisation techniques, book contrib. 2−1168
Si, laser annealing, rel. to LPE *(Japanese)* 2−1166
Si, laser damage gettering and lifetime improvement appl. 2−9406
Si, radiation damage simulation 2−14612
Si, semiconductor processing technology, trends, book contrib. 2−1279
Si, substrate processing for 1 micron MOS VLSI storage devices *(Japanese)* 2−25349
Si wafer processing, defect and contamination control 2−14755
Si:As, implanted, laser or electron beam annealed, defect form., electron beam induced current study 2−25139
Si-SiO_2 system obtained by Si oxidation in water vapour, electrophys. props. *(Russian)* 2−14724
SiC layer epitaxial growth by sublimation sandwich method, struct. defects 2−19406
$SmCo_5$ permanent magnets, deform. sintered, struct. and mag. props. 2−15212

crystal dislocations *see dislocations*

crystal etching *see etching*

crystal filters
AT-cut quartz crystal stable narrow band-pass filter at 150 MHz 2−20472
ceramic filters, operation in thickness-twist mode, effect of filter paramets, HF appls. 2−20468
chain of uniform π-networks with crystal resonators in series arms 2−9138
electrical surface flatness gauge used for crystal filter network assembly 2−20471
monolithic quartz filters, design, realisation and alignment methods, empirical correction of elastical analysis *(Italian)* 2−9835
piezoelectric filters, manufacture by ion bombardment under plasma *(French)* 2−25399
quartz crystal band-pass filter *(Japanese)* 2−25397
SAW chirp filters, signal processing appls., overview 2−1542
SAW filter banks for freq. sorting receivers 2−1541
SAW multiplexer application in FMCW radar systems 2−2830
SSB 10.7 MHz IF crystal filter for CB transceivers using integrated capacitor cct. 2−5868
$PbTiO_3$-$PbZrO_3$-$PbNb_{2/3}Mn_{2/3}O_3$-$PbW_{1/2}Mn_{1/2}O_3$ systems, temp. stability of reson. freq., comp. depend. 2−25378

crystal growth
see also crystal growth from melt; crystal growth from solution; crystal growth from vapour; crystal purification; crystallisation; dendrites; epitaxial growth
electronic materials, cryst. engineering 2−556
II-V compounds, physical and chemical props., and applications 2−14670
microprocessor-controlled crystal growth, design and implementation 2−13811
solar cells, principles and technology *(Spanish)* 2−23419
Si, defect introduction during prep. and device processing, book contrib. 2−1167
Si solar cells, low cost manufacturing based on multiple EFG ribbon technology 2−12892

crystal growth from gel
ferroelectrics and dielectrics, explanatory cryst. growth techniques 2−19399
PbS crystals, growth from interacting colloids in gels 2−4982
ZnS crystals, growth from interacting colloids in gels 2−4982

crystal growth from melt
see also liquid phase epitaxial growth
level control of liquids in crystallisation, microprocessor applns. *(German)* 2−7236
$Li_{1-x}Na_xNbO_3$-$SrNb_2O_6$, Czochralski growth, constitutional supercooling and cryst. quality *(Chinese)* 2−19397
RAD process polysilicon sheets growth and performance progress 2−12893
sapphire tubes, grown by Stepanov method, use in laser pumps 2−555
sapphire tubes, Stepanov growth, appl. of profiled single cryst. in pulsed pump system 2−1985
sapphire tubes, Stepanov growth, appl. to equalisation in active medium of solid-state laser 2−1986
$BeAl_2O_4$:Cr^{3+}, spectroscopic and lasing props. 2−10278
CdF_2:Ho^{3+}, semiconductor, growth, IR spectra and elec. cond. 2−8795
$CuInS_2$, crystal growth, horizontal Bridgman method 2−8793
GaAs, Bridgman and LEC pulling growth methods, ion implantation, for FETs 2−1393

crystal growth from melt continued
GaAs, Czochralski grown, liq. encapsulated technique, elec. compensation, melt stoichiometry effect 2−24954
GaAs dendritic web, grown by liq. encapsulation, characterisation 2−575
GaAs large diameter bulk crystals for microwave device technology 2−9444
GaAs, material and its appl. 2−1182
GaAs, melt grown, physical props. 2−8794
GaAs single crysts., production with low dislocation densities by Czochralski method 2−550
GaAs, thermal conditions effect on large-diameter growth of single crysts. 2−549
GaAs, undoped semi-insulating, growth by liquid encapsulated Czochralski method 2−9421
GaSb single crystals, with low dislocation density, LEC growth technique 2−13806
GaSb, undoped single crystals, obs. of growth striations 2−19400
$Gd_{2.9}Sc_{2.1}Al_3O_{12}$, pure and Nd^{3+} doped Bridgman-Stockburger growth of single crysts. 2−20488
Ge crystals, effect of thermal conditions during growth on stresses 2−548
Ge single crysts., grown in batches by Stepanov method, impurity distrib. 2−553
Ge single crysts., grown in different directions, radial distrib. of dopant 2−554
Ge, ultralarge profiled single crysts. growth, homogeneity 2−546
Ge:Ga heavily doped single crystals grown from melt, interface breakdown 2−13804
InP, growth and cryst. quality by liq. encapsulated Czochralski technique 2−4983
n-InP single cryst., electron mobility and minority carrier lifetime 2−9428
InP:Co, single cryst. growth and elec. props. 2−4980
InP:O, horizontal Bridgman growth, O doping effect, Hall effect meas. 2−9558
InSb, anal. and control of solidification by differential dilatometry 2−559
InSe, cryst. growth 2−558
$LiGaSe_2$ single cryst. growth and characterization 2−8792
$LiLu_{0.5-x-y}Er_{0.5}Tm_xHo_yF_4$, scheelite single crysts., Czochralski growth and laser charac-ts. 2−4978
$LiY_{0.5-x-y}Er_{0.5}Tm_xHo_yF_4$, scheelite single crysts., Czochralski growth and laser charact-s. 2−4978
Si crystal purity in melt growth maintained using refractory liners 2−24277
Si, Czochralski-grown, O and C impurities 2−1156
Si dendritic web, wide ribbon used for solar cell manufacture 2−24278
Si ingot-casting process, Heat Exchanger Method, solar cell fabrication appl. 2−23572
Si melt level automatically controlled, using laser beam monitoring 2−24279
Si, metallurgical grade, sheet growth using edge-supported pulling, for solar cells 2−20072
Si, refined metallurgical, single crystal and polycrystalline solar cells, AM1 efficiency study 2−12857
Si ribbon high-rate growth 2−13812
Si ribbon solar cells, conversion efficiency rel. to growth conditions and processing variables 2−23568
Si sheets, large area, using EFG tube growth, for solar cells 2−23514
Si, single cryst. wafers, prep. from quartzite, book contrib. 2−560
Si single crystals, grown from melt, appearance of dislocations 2−552
Si strip production, by Stepanov method with wetted shaper 2−551
Si wafer, Czochralski grown, photolum. characteris. of thermally-induced defects 2−9412
Si wafers large-diameter, grown by Czochralski method, recombination props. *(Russian)* 2−14620
Si wide ribbon, used for solar cell manufacture, crucible assembly 2−24276
Si-Ge alloys for IR detection, Czochralski growth and crucible-free process prep. 2−8797
V_2O_5-P_2O_5 glass melt, electrocrystn. of VO_x cpds. used in threshold switches 2−8851
$ZnGeP_2$, IR absorpt., brightening effect, heat treatment effects 2−20614
ZnSe crystals, as-grown from melt, growth and elec. props. 2−20079

crystal growth from solution
see also crystal growth from gel; liquid phase epitaxial growth
ferroelectrics and dielectrics, explanatory cryst. growth techniques 2−19399
seed crystal support, temperature controlled 2−24280
TGS ferroelectric cryst. growth on Space Shuttle, holographic recording 2−10392
BN, cubic, growth and characteristics of single crystal *(Japanese)* 2−19402
CdS film, n-n junction system 2−5551
$KTiOPO_4$ crystals, nonlinear optical props. 2−2021
$LiNbO_3$ single cryst. films, LPE growth for SAW devices 2−578
$Pb(Fe_{0.5}Nb_{0.5})O_3$, ferroelec. crystal, high-temp. soln. growth, single domain obs. 2−24275
$Pb(Mn_{0.5}Nb_{0.5})O_3$, ferroelec. crystal, high-temp. soln. growth 2−24275
Si:Tl, solution growth for 3 to 5 μm photocond. detectors 2−8798
ZnO, single cryst. prep. by soln. slow cooling and flux reaction technique 2−19398

crystal growth from vapour
see also vapour phase epitaxial growth
CdS single crystals, growth by vapour-phase hydrogen transport 2−24274
CdTe, crysts., vapour phase growth 2−13807
GaAs, growth rate anisotropy and growth in gas transport systems 2−13809
GaP cryst., morphology and mechanism of growth from gas phase 2−13808
In_2SnO_3-Si solar cells fabrication using ion beam milling/sputter deposition and low pressure oxide growth process 2−23450
PbTe, diffusive-convective physical vapour transport from Te-rich solid source 2−24273
Zn_3P_2, single cryst. growth 2−4981
Zn_3P_2, single-crystal growth using closed-tube horizontal vapour transport system, bulk elec. props. 2−19403

crystal imperfections *see crystal defects*

crystal inclusions
III-V semiconductor, elemental group V deposits in native oxides, surface refl. Raman scatt. detection 2−9580
polished metal surface, high-precision linear measure evaluation 2−26959

crystal inclusions continued
Al and Al alloys 7075 and 7050, AE during tensile and compressive deform., microstruct., effect 2−13891
$Al_xGa_{1-x}Sb$, LPE *(Japanese)* 2−586
CdS film exhibiting residual cond., lux-ampere characts., superlinearity 2−1791
Fe-C alloys and structural steel, AE during tensile tests 2−13881
SiC layer epitaxial growth by sublimation sandwich method, struct. defects 2−19406

crystal interstitials *see interstitials*

crystal microphones *see microphones*

crystal oscillators *see crystal resonators*

crystal purification
see also zone refining
Si, electrorefining, semipermeable anode 2−24313

crystal resonant gamma-ray interactions *see Mossbauer effect*

crystal resonators
see also piezoelectric oscillations
4.2 MHz, AT-cut, for analogue wrist watch 2−25395
32 kHz quartz wristwatch, integrated temp. compensating system 2−25396
600 kHz quartz crystal IC oscillator, single-chip, characts. and appl. *(German)* 2−9832
AFC and phase control, Loran-C system appl. 2−3239
AMTS 1550 technological crystal oscillator for precise time signal generation and crystal parameters meas. *(Russian)* 2−20469
AT-cut quartz crystal stable narrow band-pass filter at 150 MHz 2−20472
AT-cut quartz resonator, with unwanted modes control 2−5872
Butler, high quality UHF source, 360-440 MHz, 100 mW min. from 12 V supply appl. 2−24435
calibrator cct. for radio receivers 2−26617
CMOS crystal oscillator and MHz range 2−1529
digital system appls. 2−9830
equivalent circuit parameter computer-controlled test assembly 2−26741
LF crystal oscillator, using integrated gyrator, temp. compensated 2−25403
measurement of series resonance frequency and effective series resistance 2−5870
monolithic quartz filters, design, realisation and alignment methods, empirical correction of elastical analysis *(Italian)* 2−9835
piezoelectric resonators, natural freq., effect of intrinsic streams in deposited thin films 2−9833
piezoelectric resonators, transducers, eigenmodes calc. using variational technique 2−25402
pressure transducer appl. 2−22265
quartz, AT-cut, temperature variation of equivalent circuit parameters obs. 2−5874
quartz, HF oscillator 2−25404
quartz, natural freq., effect of intrinsic stresses in deposited thin films 2−9833
quartz, oscillation modes and crystallographic angles of cut rel. to freq. of appl. *(German)* 2−9831
quartz controlled, low-distortion, sine wave generation *(Italian)* 2−5143
quartz crystals, general introduction and equiv. cct. *(French)* 2−25401
quartz generator temp. dependence compensation *(Bulgarian)* 2−1525
quartz oscillators, factors affecting freq. stability *(German)* 2−5869
quartz oscillators, freq. detuning *(Czech)* 2−5876
quartz oscillators, using Motorola 10000 series ECL circuits *(French)* 2−25400
quartz resonator, nonlinear resonance, non-rational frequency division *(French)* 2−20470
quartz thermostatic pilot, employing crystal oscillator *(French)* 2−26892
quartz watches accuracy assessment, digital simulation based on Monte Carlo method 2−25393
SAW resonators for Transit satellite marine navigation system receivers 2−2844
structure, applications and performance 2−1530
synthetic single crystals, electronic component materials manufactured in Polish Electronic Materials Research and Production Centre *(Polish)* 2−1524
test circuits 2−13270
UHF acoustic oscillators, comparison of SAW devices, bulk resonator and cryst. oscillator 2−1538
GaAs IC compatible SAW devices 2−25412
$Pb(Mg_{1/3}Nb_{2/3})O_3$, electrostrictive ceramic, low Q electromechanical resonator 2−9834
$Pb_3MgNb_2O_9$-$PbTiO_3$ temperature compensated composite resonator 2−5871
$PbZrO_3$-$PbTiO_3$:MnO_2 solid solns., piezoelec. props. rel. to chem. comp. near morphotropic phase transition 2−5845

crystal surface and interface vibrations
piezoelectric resonators, natural freq., effect of intrinsic streams in deposited thin films 2−9833
semiconductor interface physics, conf., Williamsburg, VA, USA (Jan. 1981) 2−4566
Si inversion layers, remote polar phonon scatt. for hot electrons 2−20149

crystal whiskers *see whiskers (crystal)*

crystallisation
see also crystal growth; dendrites
amorphous semiconductors, photolithogrpahic processes 2−20337
Fe-Al-B amorphous system, annealing effects on crystallisation process *(Japanese)* 2−15107
GaAlAs system, cooled with volatile component evaporation, liq. and solid phase comp. calc. 2−588
Ge, amorphous, solid-phase epitaxial crystn. on Si (100) 2−8809
Ge film, amorphous, laser processing, explosive crystn., liq. layer existence 2−25134
Ge film, amorphous, scanned laser crystn., phase boundary kinetics meas. 2−25133
Ge-Se-Te system glasses, elec. cond. over wide temp. range, struct. component 2−1201
Ge_xSi_{100-x} amorphous layers, heterostruct. fabrication by solid phase growth 2−5006
InSb, anal. and control of solidification by differential dilatometry 2−559
Si, amorphous, dynamics of pulsed laser annealing 2−1307
Si, amorphous, pattern laser annealing by pulsed laser 2−9578
Si amorphous film, laser crystallisation *(French)* 2−8799
Si, amorphous films, explosive crystn. in solid and liq. phases 2−19422

crystallisation continued
Si, amorphous implanted, phase transitions produced by pulsed laser or electron irrad. 2−25129
Si films, CVD, amorphous and polycryst., cond. mechanism 2−24933
Si, ion implanted, amorphous, ultrashort pulse laser annealing 2−25135
Si, laser annealing and crystallisation 2−2067
Si single crystals, grown from melt, appearance of dislocations 2−552
a-Si:F:H, electrical, spectral and doping properties 2−25023
Si:H, crystalline, reactive sputtering fabrication, struct. study by X-ray diffr. and optical spectra 2−607
a-Si:H films, impurity doping, morphological study, electrical and optical properties 2−25022
V_2O_5-P_2O_5 glass melt, electrocrystn. of VO_x cpds. used in threshold switches 2−8851

crystallography
see also lattice constants; neutron diffraction crystallography; X-ray crystallography
No entries

crystals
see also bicrystals; crystallography; dendrites; epitaxial layers; liquid crystals; plastic crystals; whiskers (crystal)
No entries

Curie point *see Curie temperature; ferroelectric Curie temperature*

Curie point writing *see thermomagnetic recording*

Curie temperature
see also ferroelectric Curie temperature
Elinvar alloy 44NKhMT, inspection of heats using Curie temperature 2−5039
transition metal-base amorphous alloys, mag. props., comp. depend. 2−15134
Fe-Cr-Si-B amorphous ribbons, mag. props. 2−20483
Fe_4N powder, magnetic recording tape prep., electron microscope obs. 2−20500
Li-Ti-Zn ferrite, effect of MnO_2 and Bi_2O_3 additives on props. *(Slovak)* 2−1565
$Ni_xCu_{(1-x)}Fe_2O_4$ ($0 \leq x \leq 1$) ferrites, structural and magnetic properties 2−1563

current (electric) *see electric current*

current collecting equipment
see also brushes; pantographs
No entries

current collection, traction *see traction current collection*

current control, electric *see electric current control*

current density
see also critical current density (superconductivity)
capacitor plates, current density distribution nonuniformity calc. *(Russian)* 2−9248
conducting strip, switching props., eigenvalues for integral eqns. *(German)* 2−9237
electrical machines, current density distribution analysis of bar in slot 2−18142
electrochemical H-Cl energy storage system, optimisation for minimum capital investment 2−12783
electron beam shaping in lithography, Kohler or critical illumination, current density distrib. 2−20306
emission current density of MIM cathode, depend. on emitting surface area 2−20014
increase in limiting current densities in brush contacts at elevated sliding rates 2−4013
laminated ferromagnetics, effective elec. and mag. characts. determ. *(Russian)* 2−1557
linear synchronous motor, without exciters, EM field of stator coil with massive conductors, anal. *(Russian)* 2−7872
multifilamentary A15 superconductors, developments at IGC (USA), review 2−5921
one-dimensional eddy current problem, considering variable permeability and various boundary conditions *(German)* 2−15611
penetration of an impulsive magnetic field into a ferromagnetic plate *(Russian)* 2−10424
photoelectrolysis cell, current-voltage characteristics 2−18408
Schottky diode, diffusion current density calc. using Gummel number 2−25195
semiconductor, current density calc., additivity of ohmic and space charge limited currents 2−24910
solder plating at high current densities, implementation 2−23819
solder plating baths, high speed with high current densities 2−23818
unipolar corona discharge in hyperboloid-plane gap, calc. and obs. 2−9346
C brushes, current carrying capacity 2−7801
$InSn_xO_y$-Ta_2O_5-ZnS:Mn-Ta_2O_5-Al thin film struct., DC electrolum. 2−25598
Pb-acid cells, industrial motive power type current density and electrolyte distrib. 2−7973
Si n^+-p diffused solar cell, effect of junction depth on performance 2−18487
Si, polycrystalline, carrier transport and recombination processes at grain boundaries under optical illumination 2−20725
Zn electrodeposition at high current densities, electrochemical study 2−4519

current distribution
see also current density
capacitor plates, current density distribution nonuniformity calc. *(Russian)* 2−9248
conical equiangular spiral antenna, properties over extended bandwidth 2−15778
dipole antenna current distrib., calcs. based on modified King-Middleton approx. 2−2192
electrical machines, current density distribution analysis of bar in slot 2−18142
electron density and plasma current distrib. meas. in Tokamak plasma using sub-MM waves 2−22376
electroplating jig design and manufacture, computational methods 2−18805
linear dipoles, characts. of current distrib., impedances and efficiency 2−26046
linear synchronous motor, without exciters, EM field of stator coil with massive conductors, anal. *(Russian)* 2−7872
magnetic shielded dipoles, inductance and current distrib. 2−2162

current distribution continued
many rectangular cylindrical conductors, expressions for current distribution and losses *(German)* 2−24725
piecewise-linear antennas, current distrib., generalized Hallen's type integral equation, closed form kernel 2−2188
thin-wire antennas, circumferential polarization of current, effects 2−2191
three-phase windings, eddy current distribution in cylindrical structures caused by rotating magnetic fields 2−27877
unbalanced stripline, current distrib. of fund. and higher modes of normal waves using Galerkin's method 2−21182
unipolar corona discharge in hyperboloid-plane gap, calc. and obs. 2−9346
current fluctuations
see also noise
crossed field diode current fluctuations, self consistent theory 2−24864
double base diode, current fluctuation near critical point, expt. study *(French)* 2−5736
SQUID, resistive, with large crit. current, Josephson oscillation 2−9935
GaSe, injection-induced impurity breakdown, low freq. current oscills. 2−9472
Si hot carrier p-n junction, current oscills. 2−9493
Si, p-n junction, current fluctuations, during secondary breakdown 2−20129
W cathodes, polycryst. and monocryst., field-emission current instability, in high vac. 2−1100
current limiters *see limiters*
current limiting reactors
magnetic-flux switch operation in transformer-type current limiting device for power transmission line 2−27576
single-phase earth, for 6-35 kV circuits *(Russian)* 2−12288
current measurement, electric *see electric current measurement*
current-mode logic *see emitter-coupled logic*
current transformers
see also electric current control; electric current measurement
π type current transformer using thin magnetic wire for measuring heavy currents of HV lines 2−27975
autocompensated, characts. 2−19906
axial symmetric arrangements numerical field calc. using desk top computers *(German)* 2−23332
current and voltage transformers/ for 6-10 kV integrated switchboards/ 2−4266
differential transformer core for ground fault circuit interrupters 2−17772
electronic current transducer for EHV circuits 2−17783
HV instrument transformer insulation ageing determ. *(Hungarian)* 2−23348
magneto-dielectric magnetic circuit, bus-type, performance anal. *(Russian)* 2−27954
transients analysis in highly saturated current transformers on active load *(Russian)* 2−18287
current transients *see transients*
curvature measurement
aspheric surfaces, measurement by optical differential technique 2−7211
printed using board warpage measurement, comparison of use-related and conventional methods, BELLPAC packa-ging system appls. 2−5427
curvature of field *see aberrations*
curve fitting
adaptive piecewise polynomial curve fitting procedure for data analysis 2−8681
cumulative distribution functions, not strictly monotonic, adaptive algorithms for piecewise linear approx. *(Russian)* 2−455
discrete linear approximation 2−8680
least-square, SALS program 2−24246
MHD/steam power plants, real-time simulation by digital parallel processors 2−23140
moving picture encoding, adaptive straight line approx. technique 2−10645
numerical differentiation of curve, use of tangent at various points, computer program 2−19330
on arc and biarc curve approximation *(Chinese)* 2−13678
customs and excise *see tariffs*
cutting
see also machine tools; machining
combined circular broaching of spur gears 2−4508
cutting properties of ceramics in the face-milling of grey iron 2−4509
gear, dividing train kinematic accuracy 2−4504
gear, kinematic accuracy calc. 2−4505
gear cutting process control 2−3240
industrial manufacturing appl. for laser cutting *(German)* 2−15591
magnetic radiation monitoring piezoelectric transducer *(Russian)* 2−26825
optimal metal cutting machine tool spindle drive, d.c. motor control to extend constant horsepower range 2−27945
robot appls. 2−4529
shearers, power transmission and control 2−18840
steel plate fabrication noise problem rel. to air-arc gouging 2−8110
stratified wire for travelling wire electrical discharge machining 2−4511
surface plasma-arc cutting, effects on welded joint properties in 10KhSND and 10KhN1M steels 2−28296
tracking system for arc welding and thermal cutting 2−4538
useful life of lubricating oil in metal-cutting machine tools 2−134
Si ingot slicing with internal diameter saw, low-cost solar cell technology, economics 2−23582
Si slicing using machine using multicutting wire technology 2−12896
CVD *see chemical vapour deposition*
CVD coatings
ceramic coatings as positive current collectors for Li-Al/FeS_2 batteries 2−28093
film, semiconducting, struct., X-ray diffr. study 2−24338
narrow stripe visible laser, proton isolated, grown by metalorganic CVD, lasing characts. 2−25774
AlAs-$Al_xGa_{1-x}As$-GaAs superlattices, absorpt., stimulated emission and clustering 2−25050
BN passivation film, MOST, resistivity, gate charge decay time meas. 2−9660
GaAlAs DH shallow proton stripe laser grown by metalorganic CVD, current threshold uniformity 2−25770
Ge_xC_{1-x} CVD coating, struct. and optical props. 2−25037
InP epitaxial film, metalorganic CVD, elec. props. 2−14641
InP-SiO_2(Si_3N_4) MIS capacitors, interface props., C-V meas. 2−5635
Nb_3Ge composite tape conductors, total AC losses 2−20555
CVD coatings continued
Nb_3Ge, supercond. Tape, preparation by continuous CVD process *(Chinese)* 2−19431
Nb_3Sn tapes, CVD, dynamic stability *(Chinese)* 2−20554
P_3N_5 CVD film used as gate insulator for inversion mode InP MISFET 2−25228
P_2O_5-SiO_2 glass films, MOS IC technology, atmospheric-pressure CVD system 2−13843
Si, amorphous, CVD growth, struct., optical, and elec. props. 2−20099
Si, amorphous, plasma deposited and CVD coatings, ion implantation, elec. cond. and photoluminesc. 2−20095
Si CVD films, polycryst., elec. props., depend. on grain size and impurity doping conc. 2−14616
Si films, CVD, amorphous and polycryst., cond. mechanism 2−24933
Si on sapphire, low-density defect 2−24924
Si polycryst. on SiO_2, recrystallisation by dual electron beam processing, lateral seeding technique 2−24311
Si polycrystalline film production in H_2 medium, chemical process, appls. *(Bulgarian)* 2−24319
Si, single cryst. on oxide, CW laser induced lateral seeding process 2−8826
Si:B, H amorphous CVD film, hydrogenation effect, elec. cond. and ESR meas. 2−20100
Si:F, H amorphous CVD film, hydrogenation effect, elec. cond. and ESR meas. 2−20100
Si:P film, LPCVD, polycryst., grain size and resist. 2−9407
Si_3N_4 CVD film encapsulation for GaAs wafer during post-implant annealing 2−20200
Si_3N_4 CVD layer, X-ray mask prep. 2−1271
Si_3N_4 film, MNOS struct., electron traps, photoionisation cross-section 2−25081
SiO_2 glass films, MOS IC technology, atmospheric-pressure CVD system 2−13843
SiO_2 layers, CVD by photochemical combustion of SiH_4 and O_2 below 100°C 2−19451
V_2O_5, amorphous CVD coating, prep., elec. cond. and EPR spectra 2−20103
ZnS_xSe_{1-x}, polycryst., prepared by CVD, struct. and optical props. 2−24329
ZrB_2 coatings for photothermal absorber appls., 2−18617
CVD epitaxial growth *see vapour phase epitaxial growth*
CVD thin films *see CVD coatings*
cybernetics
see also artificial intelligence; biocybernetics; economic cybernetics; information theory; man-machine systems; pattern recognition
state representation for deterministic processes *(German)* 2−24128
cycloconvertors
3-phase, triple-frequency, commutated at zero crossing piont of load current, characts. 2−7917
60 kVA permanent magnet starter generator system for aircrafts 2−17501
analysis of electromechanical constraints generated by a cycloconverter *(French)* 2−7910
characteristics of linear synchronous motor drive cycloconverter for Maglev vehicle ML-500 at Miyazaki test track, Japan 2−8044
cycloconverter fed variable frequency operation of induction motor 2−4174
cycloconvertor driven, induction motor performance anal. 2−4171
cycloconvertor driven, induction motor performance anal. 2−4172
doublesided, characts. 2−18331
drives for rolling mills, use of synchronous/asynchronous rotating-field machines with field-oriented control 2−18802
dual, three-phase, characts. 2−18329
Japanese railways, power electronics traction systems, interference problems 2−13034
low speed high power drive, with wrap around motor and adjustable frequency cycloconverter 2−18634
microcomputer-controlled cycloconvertor reduction of output freqs. from single-phase supply, thyristor bridge config. 2−23375
microprocessor controlled single phase to single phase cycloconverter 2−23377
vehicle traction cycloconvertor driven induction motor performance anal. 2−4194
cyclotron resonance
for ion cyclotron resonance spectroscopy see mass spectroscopy; for ion cyclotron resonance heating see plasma heating
see also diamagnetism
cyclotron maser instability, as resonant limit of space charge wave interaction with EM structure 2−15422
electron cyclotron resonance maser, kinetic theory considering space charge effect 2−15423
magnetron, operation under conditions of cyclotron resonance 2−20017
maser, compact 2−25648
relativistic cyclotron-resonance maser amplifiers 2−24866
semiconductors, conference, Hakone, Japan (Sept. 1980) 2−13151
semiconductors, hot electron effects in crossed mag. and static microwave elec. fields 2−24909
GaAs, hot electron nonMaxwellian distrib. function in mag. field, cyclotron emission study 2−24981
GaAs laser cyclotron resonance, Zeeman absorpt. 2−20058
n-GaAs, photoconductivity, far-IR two-photon transitions and two-photon cyclotron resonance 2−20087
Ge laser cyclotron resonance, Zeeman absorpt. 2−20058
InAs-GaSb superlattices in high magnetic fields, band struct., elec. and optical props. 2−14688
InSb laser cyclotron resonance, Zeeman absorpt. 2−20058
InSb, photoexcited hot carriers, far IR cyclotron reson. and emission 2−24980
Si laser cyclotron resonance, Zeeman absorpt. 2−20058
cyclotrons
see also microtrons; synchrocyclotrons
Chandigarh variable energy cyclotron/ 2−3360
harmonic wave instability on costreaming electron beams 2−7269
heavy-ion beam sweeping apparatus for uniform irradiation of samples 2−27011
ion source temporal stability increase 2−11758
isochronous, amplitude and phase control of first harmonic of magnetic field 2−11688
isochronous, amplitude and phase control of first harmonic of magnetic field 2−17195

cyclotrons continued
LINKER, intercomputer communication system for cyclotron facility 2−7245
magnets, fast field mapping device 2−3251
medical, design for a multiple target system 2−3450
proton cyclotron, using supercond. separate sectors 2−17190
sector magnet for IPCR separated sector cyclotron 2−7259
Texas A&M cyclotron polarised ion source 2−22470
Tohoku University cyclotron, neutron time-of-flight facility 2−3436
TRIUMF cyclotron, remote handling maintenance system 2−17198
VICKSI accelerator system, operating experience 2−11697

Czochralski method *see crystal growth from melt*

D/A conversion *see digital-analogue conversion*

dairying
cattle fodder mixing by AC motor speed control 2−28307
templifier heat pump for industrial applications 2−23845

damage, radiation *see radiation effects*

damming *see dams*

dams
see also civil engineering; hydroelectric power stations
analysing displacement measurements in gravity dams 2−17799
Columbia river hydroelectric project construction problems, USA 2−3962
finite dam control model output policies 2−24109
flood control on the Parana and Paraguay rivers 2−7754
hydroelectric project, model studies of an over-topped rockfill dam 2−12526
passing floodwaters over embankment dams 2−7752
recent advances in monitoring dams 2−17797
rockfill and earth dams, morocco's largest multi-purpose scheme 2−7750
safety instrumentation for dams 2−17798
safety of dams judged from failures 2−22996
sedimentation control in Indian reservoirs 2−18054
selecting the optimum cross-section of a concrete gravity dam 2−22995
spillway for India's Ukai dam, 300 MW multi-purpose hydro project 2−12529
Tarbela Auxiliary Dam 1, India, sinkhole-piezometer standpipe connection 2−7597

dark space *see discharges (electric)*

data acquisition
see also CAMAC; data handling; indicators; recorders
32-channel minicomputer-based system for measurement signals acquisition and processing, hardware and software *(Czech)* 2−26788
AD7581 CMOS data acquisition chip, used for microprocessor interface 2−26785
AD 7581 data acquisition system by Analog Devices *(French)* 2−7048
aerospace industry test methods advances, conf., Indianapolis, IN, USA (April 1981) 2−22654
AI-4096 multichannel analyzer, preliminary processing of experimental data 2−16795
airborne thermographic surveys, with economical data acquisition 2−3077
airgun firing data, ASR-80R system *(Japanese)* 2−22711
analogue components 2−14900
analogue MUX ICs appls. 2−16876
APPLE II, MELCOM 70/20, and MELCOM 70 systems *(Japanese)* 2−7046
asynchronous transmission communication loop configuration 2−16872
ATE for electronic warfare systems, high-speed signal acquisition and processing 2−22128
automatic data acquisition and processing system using VTR 2−11394
automatic data acquisition and processing system using VTR 2−16880
automotive control systems, sensors and data acquisition system requirements 2−16930
aviation metrology management data acquisition 2−22691
balloon altitude mosaics meas. program, telemetry and control systems 2−11391
binary-coded data input unit using MOS circuits *(German)* 2−11397
biological impedances meas., automated microcomputer system appl. 2−7180
Burr-Brown 3714T fibre-optic transmitter for interfacing in remote data acquisition 2−22185
CAMAC module control from Z80 microcomputer 2−22182
cardiac electrophysiology computerised instrumentation 2−11946
cardiopulmonary data-acquisition system, computerised control of stress rates 2−3459
chart recorder selection guide 2−26881
chemical microcomputer-based laboratory data acquisition systems 2−4554
components and systems, recent developments 2−16875
Computer-based data acquisition system for gas-turbine testing 2−3944
computerised, conf. at Dubrovnik (Yugoslavia) (1981) 2−26753
computerised production control system for large industrial plants based on data collection system *(Polish)* 2−3096
coordinate input using array of wires *(German)* 2−26791
data capture in batch manufacturing, storage, retrieval *(French)* 2−22187
data handling system redundancy, availability analysis 2−17864
data-logging system based on the Intel 8748 single-chip microprocessor 2−7054
Datel single-board data-acquisition system, modification for electrophysiological appls. 2−27178
dielectric partial discharge monitoring, electrical and acoustic detect. computer-controlled data acquisition 2−11399
differential transformer transducers, linearisation using digital techniques *(Dutch)* 2−26829
digital analysis system for simultaneous recording of fast and slow data streams *(Dutch)* 2−26786
digital boiler control, utility case history 2−12466
digital data recording with a cassette recorder. II *(German)* 2−7047
digital multichannel rapid analysers, design principles 2−16894
digital signals measurement and sampling *(Spanish)* 2−26792
dilution refrigerator, automated temp. control and data acquisition system 2−11395
distribution power-line carrier, statistical math. model 2−22966
electrical load management, monitoring and data processing 2−27421
electrical quantities on industrial multiphase networks by microcomputer based system *(Italian)* 2−11342
electrographic printing, image resolution 2−21052
electronic calculator based system, charact. *(Polish)* 2−3200
electronic control devices for particle detectors 2−17311
energy audit field appl. 2−22199

data acquisition continued
energy conservation test facility 2−22200
EPROM appl., based on VLSI chips 2−7055
ESCOM system control and load dispatch system SCALD 2−3719
ESS monitoring, Engineering and Administrative Data Acquisition System, Network Operations Report Generator software package 2−2608
estuaries environmental data collection, low-cost data buoy system 2−22737
fast, time-sliced, mul'iple data bus structure for overlapping I/O and CPU operations, nuclear appl. 2−6603
fibre optic communications for data acquisition and control 2−2786
flight testing portable system, advanced medium scale real-time system 2−10819
fluid force acting on accelerating cylinder, use of force transducer for meas., electronic compensation 2−3297
Focus 5000 real time acquisition and control system, charact. *(French)* 2−22186
gamma-ray spectrometer, data acquisition system 2−7306
guided weapon system development 2−17453
heart rate data acquisition, cardiotachometers using KIM-1 single board computer 2−17349
heavy nuclei fission expts. automation with TPA-i1001 minicomputer 2−7289
high and low speed acquisition, appls. in logic analysers 2−16877
high speed data transmission, fibre optic link 2−2787
high-energy experiments, fast microprocessor appls. 2−11865
HP 3054DL data logging system 2−7049
HP Model 3054A automatic data acquisition/control system 2−7005
HP Model 3497A data acquisition/control unit, plug in assemblies 2−7051
HP model 3497A data acquisition/control unit, versatility and capability 2−7050
hydroelectric power systems, centralised computer supervision and control 2−12531
in-service inspection using data acquisition and processing system *(Japanese)* 2−16881
industrial management data, collection and storage *(German)* 2−22183
industrial process heat installation data acquisition and instrumentation system 2−7601
intelligent data acquisition for road driving 2−26894
intense pulsed neutron source, scattering instruments, data acquisition system 2−7296
IR system operator, training 2−24
laboratory data acquisition and processing, employing personal microcomputer system 2−11401
large motor performance testing facility 2−16836
laser spectroscopy, one- and two-photon, microcomputer-based data acquisition and laser control circuitry 2−11396
manufacturing data acquisition system using semi-automatic real-time data collection 2−3095
metrological diagnostics *(Russian)* 2−16882
microcomputer, input channels number extension 2−22194
microcomputer-based data acquisition, display, and control system for vestibulo-spinal Hoffmann reflex experiments 2−11398
microcomputer-based system for stopped-flow data acquisition 2−22190
microcomputer-controlled system for automatic acquisition of kinetic data of gas uptake at constant pressure 2−8121
microprocessor based system, 16-channel 2−16883
microprocessor driven ultrafast multichannel event counter 2−17297
microprocessor implementation of breaker-fail protection 2−3795
microprocessor-base MIDAS-R system 2−26798
microprocessor-based, charact. 2−22195
microprocessor-based, charact. 2−22196
microprocessor-based architecture for high speed data processing 2−15872
microprocessor-based data recorder design 2−16874
microprocessor-based equipment for automatic control in power generation and distribution systems 2−3716
microprocessor-based solar data acquisition system 2−22726
MIDAS microcomputer-interfaced system, machine language program 2−3093
million channel pulse height analyser for data acquisition, multi-microprocessor system 2−7292
multi-scalar system 2−17231
multichannel, MP 227 isolation amplifier appl. *(German)* 2−5120
multichannel data acquisition and processing system for blast and thermal environments 2−22197
multichannel data logger for heat pumps using C90 cassettes 2−26790
multichannel module, design considerations 2−16884
multicounter with buffered output, cerebral blood flow meas. appl. 2−16885
multiple-user data acquisition and analysis system for high flux beam reactor 2−7291
MWPC with cathodic read-out, acquisition and calibration electronics 2−27082
Network Management Systems 2−6614
neuromuscular bioelectric events, real time data acquisition and analysis using microcomputer system 2−17387
nonlinear analog function circuit errors, automatic measurement using data acquisition systems *(Slovak)* 2−8954
nuclear plant computer control, data acquisition/control systems integration, DACOADA system 2−23032
nucleon decay detector, data acquisition and triggering system, pattern recognition 2−17307
oceanographic echo sounding noise stability improvement 2−3621
oceanographic undulating recorder Mark 2, for environmental parameters obs. 2−22740
Omega automated laser control and data acquisition 2−1924
Pentaconta telephone exchange, data recording 2−22192
piezoelectric vibration/press. transducers, programmable signal conditioners, data acquisition system appls., interface with lab. computer 2−11426
power system telecontrol *(German)* 2−16886
pulmonary performance, non-invasive continuous monitoring 2−27163
radioheliograph at Nancay *(French)* 2−6879
real time digital data acquisition system for power system load charact. determ., operating instructions, software operation, installation, trouble-shooting, and maintenance 2−17645
real-time performance testing of photovoltaic concentrator modules 2−16844

data acquisition continued
reliability and fault tolerance improvement, multimicroprocessor schemes 2−16887
remote sensing, data collection platforms for local Earth data transmission to satellites, problems *(German)* 2−22191
respiratory signals, microprocessor based data acquisition 2−17337
retrofitting supervisory control and data acquisition systems with microprocessor-based communications processors 2−16878
Rutherford backscattering spectrometry, automatic beam alignment for channelling meas. 2−11875
scientific balloon telemetry, command and data recording 2−11392
seismological data, computerised processing, Moxa-Jena system *(German)* 2−22189
serial time codes for analogue data recording 2−7117
signal transmission between front-end processor and signal convertor *(German)* 2−3094
single board data acquisition system for harsh industrial environments *(German)* 2−16873
single-ended A/D conversion without successive-approximation logic 2−14182
soil moisture meas., microprocessor-based instrumentation 2−22095
Sony/Tektronix 308 data analyser 2−22082
SPC telephone systems, data collection in type M-10CN centre and its applications *(Croatian)* 2−10932
SRDF reliability data collection system of Electricite de France, pump reliability data 2−17889
stochastic signal stream distrib. registration, anal. of histogram distortion *(Russian)* 2−3092
strain gauge data acquisition system improvement *(German)* 2−7022
TDRSS, role in tracking and data acquisition 2−11040
TDRSS, system performance 2−11041
ten-channel analogue multiplexer/demultiplexer using inexpensive ICs *(German)* 2−22188
text communication acceptability field expt. 2−21475
transient processes, characts. 2−26799
turbomachinery aerodynamic research, digital data acquisition and anal. system 2−26800
two-phase flow meas., microprocessor-based instruments 2−16835
UA_2 detector, triggering, data acquisition 2−11858
US multichannel pulsed Doppler blood flowmeter, minicomputer-based 2−11918
VHF/UHF signal strength meas., automated logging and analysis system 2−16888
voice input to computers, electret microphone appls. 2−15857
weapon delivery simulation, with airborne data acquisition and ground-based processing 2−17496
wind tunnel instrumentation, shock-wave boundary-layer interaction obs., by laser anemometer 2−11997

data communication equipment
see also computer peripheral equipment; telemetering equipment
accessing packet switching systems, X25 protocol 2−10848
acoustic coupler marketability as microcomputer data communication device 2−21582
active loop test device 2−7060
addressing technique for logically superimposed network 2−16216
aircraft, MIL-STD-1553 bus controller and multiplex remote terminal 2−7397
analogue switches, advantages over digital transceivers for data paths 2−14342
binary-coded data input unit using MOS circuits *(German)* 2−11397
bus configuration characts., impulse meas. 2−19921
business terminals, voice-controlled 2−2587
cables for local computer networks 2−16325
combined voice and data PABX market prospects 2−21584
computer systems, fibre optical communication 2−2801
computerised measurement system, software structures for online data processing *(Russian)* 2−26730
continuous phase chirp signals for binary data communication, coherent detection 2−2549
continuous phase chirp signals for binary data communication, noncoherent detection 2−2550
convolutional codes, sliding-block decoder, realisation using time-invariant nonlinear digital filter in ROM 2−2269
CW and RTTY video terminal 2−26398
digital DPSK modem for 80 kbit/sec full-duplex data transmission on subscriber loop, design and simulation 2−24451
digital voice/data telephone sets 2−2588
Displayphone from Bell Northern Research 2−2569
EPIVIEW 2000 Model Ei 460 Interactive Data monitor 2−6615
facsimile and micrographics combination, survey of possibilities and available products 2−10812
facsimile equipment, high-speed, scanning line irregularity study *(Japanese)* 2−2477
fast algorithm linear equalizer, theory and implementation 2−2238
fibre optic communications for data acquisition and control 2−2786
fibre optic digital data communications, practical circuit designs 2−11077
fibre optic star coupler, for 32-terminal data bus system 2−26277
full decision feedback phase-locked loop, microprocessor-based implementation 2−14035
group-delay equaliser, active Darlington allpass filter *(German)* 2−19809
hardware review 2−2515
high speed data modem using digital signal processor 2−2559
high speed data transmission, fibre optic link 2−2787
high-speed voiceband data modem error rate performance 2−2558
IEEE 488 general purpose interface bus 2−6632
industrial productivity networks, using data processing equipment *(French)* 2−21650
integrated circuit data link controller for local networks 2−26315
integrated circuits for telecommunication and data communication applications 2−6495
interactive test unit for data transmission, monitoring of symbol sequences, time relationships between data and interface signals *(German)* 2−26720
interface LSI development for data terminals *(Japanese)* 2−26242
leased cct. remote testing system, centralised maintenance system 2−26731
market requirements in W.Europe 2−16211
MC 68000 connection of M 6800 *(German)* 2−9103
microcomputer, large storage technology and data communication in Germany *(German)* 2−7002
microprocessor based access unit for local area networks 2−26314

data communication equipment continued
military aircraft optical data bus receiver 2−7398
modem, 2400 bit/s capacity, for data transmission over telephone networks, microprocessor appls. *(German)* 2−2583
modem, Motorola 6860 based design and test program is machine code *(French)* 2−21675
modem development history 2−10884
modems, review of available equipment 2−10885
MT8980, DX IC for digital switching appl. 2−26333
optical fibre networks 2−16221
optical fibres, advantages *(German)* 2−10042
optical fibres, principles, manufacture and data transmission *(French)* 2−20625
optical fibres and cables, computer system applications 2−16483
optical fibres in telecommunications 2−11076
packet multiplexer, distributed processing, 64 kbit MOS RAM *(Japanese)* 2−6715
partial response data transmission filters, optimal design 2−5273
personal key crypto with insecure data terminals, appl. 2−2581
programmable data communication tester, for first-line technicians 2−16820
Rank Xerox equipment developments *(Norwegian)* 2−6637
receiver with transversal equaliser, error rate self-determination 2−2580
remote system, characts. *(German)* 2−21649
serial communication line adapter decoder using programmable logic arrays 2−6403
serial line fault injector, clamping of line to ground for short periods 2−14242
signal transition detector circuit 2−10686
signal transmission between front-end processor and signal convertor *(German)* 2−3094
simultaneous read/write serial data transmission 2−21652
single line operating, business options 2−21606
smear-desmear filter for improvement of data transmission quality, digital techniques *(Japanese)* 2−6657
standard interfaces for serial data communication, 20 mA current loop and RS-232-C voltage interface 2−6612
start-stop regenerator for weighted digital signals 2−10876
switching node, microprocessor-based 2−6618
synchronous data transmission, byte oriented protocol *(German)* 2−21545
telephone messages, delayed delivery by voice mail 2−10804
teleprocessing processor software set 2−21657
terminals for integrated services digital network 2−6656
TP 3100A/B digital-line-interface controller for voice and data switching 2−2611
transmission lines, critical length and freq. calc. *(Czech)* 2−21165
two-wire full-duplex data modem echo canceller structures 2−2557
TZ-I time division multiplex device, technology, distributed system processing interrelation *(Japanese)* 2−26321
uncommitted logic array, for high bit rate transmission system terminal use 2−21681
universal asynchronous receiver/transmitter on-chip bit-rate generator, MOS LSI realization *(German)* 2−19745
universal asynchronous receiver/transmitters, use with serial RS232 port 2−19747
Viterbi decoder, memory content management scheme 2−2268
voice response systems 2−6630
Western Digital's WD2123 UART, technology, characts. 2−16213
X.25 protocol tester, appl. for business telecommunications *(German)* 2−26283
Z80 DART asynchronous receiver/transmitter, using two independent full duplex channels 2−16214

data communication systems
see also computer peripheral equipment; cryptography; data privacy; EFTS
23 GHz microwave link, small size 2−16378
adaptive echo cancelers with correlated data and correlated received signal, analysis of steady-state performance 2−15733
adaptive equalisation via fast quantised-state methods 2−10604
adaptive equalization algorithms for optimization of a generalized mean square cost 2−6380
adaptive representation of function with a limited spectrum 2−8705
adaptive routing protocols for computer network linking tactical radar sites 2−6628
aircraft propulsion system, real-time simulation approach using parallel processing 2−27245
AM broadcasting additional data channel using PSK preserving compatibility *(German)* 2−10623
Ansaldo data transmission system, using microprocessor-based interface modules *(Italian)* 2−6602
asynchronous reservation protocol for multiple access channel 2−21402
asynchronous terminals, add-on data link control units, minicomputer-based systems appl. 2−2584
asynchronous transmission communication loop configuration 2−16872
Australian Digital Data Network, description 2−16170
Australian national packet switching service, AUSTPAC 2−16010
AUTODIN integrated defence communication network, system architecture 2−2560
automated factories, data highway with distributed controllers 2−10880
automatic testing, increases in data handling speeds by use of memories in instruments 2−16782
automobile assembly-line, microprocessor-based, teleprinter output 2−16220
Aviation Route Forecast (ARF) program−an interactive system for pilot self-briefing for weather forecasting 2−2561
avionic systems, high-integrity 1553-biased avionic types, LSI bus interfacing chips 2−22637
balloon-borne ion mass spectrometer, control and data transmission system 2−12077
Bell Northern digital telephone system for integrated services 2−16055
Bell Telephone Co. Integrated Services Digital Network 2−2440
bit error probability of communication systems with binary-orthogonal modulation in the presence of pulsed noise *(German)* 2−15799
British Telecom, monopoly ending in UK 2−21460
British Telecom International troposcatter system 9.6 kbps data tests 2−10986
burst-error-correcting array codes 2−2281
bus public transport, computerised call responsive system, communications techniques *(Japanese)* 2−16217
business benefits 2−21605

data communication systems continued
cable data transmission regulatory problems 2−2507
Canadian perspective on social, economic, and strategic environment 2−10768
Canadian service proposals by Satellite Business Systems 2−2511
case study in data network optimisation 2−21660
channel control system, analysis 2−2402
class 4 partial response coding and SSB modulation, effect of channel filtering 2−15812
closed loop digital transmission system/, data stations *(German)* 2−2582
CNET local network *(French)* 2−16205
coaxial plenum cable for high-speed data transmission, foamed FEP dielec. 2−21714
code division multiplexed parallel data transmission systems for voice frequency channels 2−6478
CODEC−a program system for the interactive development of error-correcting coders/decoders 2−21274
collision-free access control for computer communication bus networks 2−10856
common carrier selection 2−2516
common visual space implementation 2−26294
components of data transmission network *(German)* 2−6584
computer aided communication concepts *(German)* 2−26269
computer communication networks, routing problems, appl. of hierarchical control techniques 2−15971
computer communication protocols design method, using transformation algorithm *(Japanese)* 2−10859
computer controlled taxi data communications 2−26433
computer/computer communications, telecommunication techniques 2−10863
computerized data processing systems *(Polish)* 2−21659
conference, Munich, Germany, 1-2 July, 1980 2−8157
congestion control, DDX public packet switched data network *(Japanese)* 2−6713
construction features *(Russian)* 2−2554
corporate communication networks: selection and strategic impacts *(French)* 2−16206
cost reduction techniques 2−16141
cross-spectrum method 2−6482
cross-spectrum symbol synchronisation 2−6482
cryptography, cipher system by AEG-Telefunken 2−2555
cyclic redundancy code computation in binary synchronous communication protocol 2−26274
cyclic redundancy codes for error correction in data transfer systems 2−6399
D50 packet switched system for public network *(Japanese)* 2−6595
Danish telephone network, digital subset trials 2−2455
data line monitor for problem isolation and resolution 2−7020
datagram networks, introduction to flow control *(Spanish)* 2−21399
DATALINK nationwide private data communications network, conversion to packet technology 2−2547
Datanet 1, Netherlands, packet-switching data network, role and significance 2−26373
Datanet 1, Netherlands data network, as part of telecommunication infrastructure 2−26374
Datanet 1, Netherlands data network the user's point of view 2−26376
Dataphone II, Bell System's software-controlled microprocessor based system 2−26295
Dataphone II, diagnostic console, description 2−26296
DATAPHONE II system, software-controlled and microprocessor-based 2−10873
Datex-P data package service of German Post Office, CNA-X25 modular software 2−2536
DATEX-P data packet switching network *(German)* 2−10874
DCNA database access protocol *(Japanese)* 2−6601
DCNA job transfer protocols *(Japanese)* 2−6600
DCNA protocols expansion *(Japanese)* 2−6599
DDX packet switched network expansion *(Japanese)* 2−6597
decision feedback data transmission systems, analysis using graph theory 2−10877
delay related issues in integrated/ voice and data networks/ 2−2427
development of information transmission by telecommunications *(French)* 2−10757
developments, optical links, satellites, communication chips 2−6583
digital color weather radar remoting and integrated graphic systems 2−2564
digital data transmission and TV appls. in vertical blanking interval 2−11260
digital data transmission system 2−26300
digital information broadcasting in US, teletext-type service using Subsidiary Communications Authorization channels 2−21503
digital integrated local network control structure, using microprocessors *(French)* 2−21423
digital key telephone system with complex communication functions *(Japanese)* 2−26306
digital mine communication systems, useful lengths determ. rel. to data security, EM interference aspects 2−16225
digital satellite communication systems, tradeoffs 2−2761
digital satellite network error control 2−26266
digital subscriber loops, German Bundespost transition to ISDN 2−6724
digital systems, microwave appls. book 2−6747
digital telephone subset characts. in intergrated services digital network 2−6541
DIPS 104-02 operating system, software quality control techniques *(Japanese)* 2−6590
DIPS 104-02 operating system development *(Japanese)* 2−6585
DIPS 104-02 operating system executive program *(Japanese)* 2−6586
DIPS 163-10 time-sharing package *(Japanese)* 2−6587
DIPS operating system for mass memory system control, large capacity online file memory *(Japanese)* 2−6592
DIPS standardised operating system, DIPS 104 OS 2−26278
discrete buffered system, Poisson arrivals, priority service random server interruptions, queueing time of data packets 2−2410
distributed appls. management 2−6619
distributed processing 2−2517
distributed processing approach for the international public telegrams message switching system 2−6638
DOV, data-over-voice, on 12 MHz coaxial cable link *(German)* 2−26301
DSA view for usage and administration in a distributed network *(French)* 2−21641
Dutch data network, technical aspects 2−26375

data communication systems continued
electronic information media, consumer response, implication for newspapers and other media 2−16014
electronic mail, British Telecom plans for electronic message transfer between offices 2−10807
electronic mail active message processing 2−16093
electronic mail addressing and directory systems 2−16097
electronic mail COCOS system 2−16103
electronic mail feedback control 2−16090
electronic mail human factors 2−16108
electronic mail message standards 2−16094
electronic mail MSG system 2−16099
electronic mail naming, addressing and routing 2−16098
electronic mail service definitions 2−16092
electronic mail specification methodology 2−16095
electronic mail transport connection 2−16096
electronic mail user interface design philosophy 2−16107
electronic message systems, struct., delivery, address identification and user interface standards 2−16074
encipher/decipher data operations, terminal control, static session keys table generation 2−21588
error proofness of communication systems, simulation *(Russian)* 2−21253
errors management in interactive flow 2−2261
Ethernet controller and software for DEC computers under Unix 2−21585
Euronet Diane, origins, structure, data packet exchange service, network access and costs *(German)* 2−2520
exact mathematical models for the solution of distributed systems *(Italian)* 2−21593
experiment on high speed file transfer using satellite links 2−21576
facsimile characts. 2−16087
fast, time-sliced, multiple data bus structure for overlapping I/O and CPU operations, nuclear appl. 2−6603
Federal German interface standards *(German)* 2−21547
Federal German Post Office data services *(German)* 2−21548
fibre optic data networks, high-capacity multiple-access, using guided-wave components 2−2796
fibre optic transmission equipment for small scale communication market *(Japanese)* 2−11075
file maintenance system for large scale software in data communication systems *(Japanese)* 2−6594
file transfer protocols reviewed and compared 2−6620
file transmission, efficient method using on-the-fly adaptive Huffman code 2−6642
flow controlled packet switched network, fair sharing problem 2−21408
front end processor for incompatible facsimile terminals 2−2474
full-duplex data transmission system operating on subscriber loop, design and simulation 2−10890
full-duplex fibre-optic communication link with microprocessor control 2−21828
future developments in communications 2−15976
GaAs FET logic for spacecraft 2−25341
German Federal Railway, carrier freq. system for data communication *(German)* 2−21710
GRnet system, ATE computer network for production test data management 2−16838
HDLC bit-serial protocol for process data transmission *(German)* 2−10878
HDLC modulus recursive extension 2−2426
HERMES, microprocessor based network *(French)* 2−21640
heterogeneous-plus computer networks of system 7.500, 7.700, 7.800, 6.000, 300 and TRANSDATA 9600 computers 2−21604
Hi-OVIS, fibre optics-based information society 2−10872
hierarchic multicomputer system in real-time, data transmission *(German)* 2−10860
high bit rate data transmission systems, selective-repeat ARQ schemes with finite receiver buffer, anal. 2−2529
high-speed transmission of sequential freeze-pictures by extracting changed areas 2−21654
hospitals, prototype generalised network technology implementation 2−21626
IBM SNA developments 2−6577
Indonesia public data networks 2−2419
information retrieval system on CATV 2−21661
Infotex service for electronic office 2−2518
integrated communication and control systems, and microprocessor controlled displays 2−22170
integrated digital data switching and transmission systems 2−26377
integrated display/printer equipment for the office of the future 2−16869
integrated service business networks composed of voice, video and data, development 2−2431
integrated services digital network, an introduction 2−6500
integrated services digital network, exchange for distributed control 2−6709
integrated services digital network, impact of non-voice services on network evolution 2−6501
integrated services digital network, telematics and satellites 2−11043
integrated services digital network, transition from analogue telephone networks 2−2453
integrated services digital network 2−16088
integrated services digital network (ISDN), signalling and protocols 2−26189
integrated services digital networks, customer access protocols 2−6502
integrated services digital networks, transport methods 2−6503
integrated telephone-data handling system, Switzerland *(German)* 2−16044
integrated voice/data private network planning 2−2439
integrated wide band networks *(German)* 2−10850
intercity network reliability *(French)* 2−21637
interface measurement techniques, data flow, transmission quality and simulation *(German)* 2−2537
international message service for corporate use 2−16102
interoffice signalling system for DDX circuit switched network *(Japanese)* 2−6598
interuniversity computer networks development in Japan 2−2540
intra-company worldwide communications, SIEKOM project *(German)* 2−10769
ISDN, circuit- and packet-switched systems provision *(Italian)* 2−10946
isochronous data transmission systems, INGOT2 software for use in interactive/graphical anal. 2−2436
Japanese domestic and overseas services 2−2532

data communication systems continued
Japanese Ministry of Labour data communication system 2−21656
jitter accumulation in PAM system repeaters 2−10846
JTIDS dual grid navigation using time synchronized data links 2−6869
Kanji data processing software for non-impact printers, Japanese characters, appl. *(Japanese)* 2−6591
LINKER, intercomputer communication system for cyclotron facility 2−7245
local area networks: foundation for progress 2−21646
local area networks, current products survey 2−2514
local area networks *(German)* 2−21549
local area wideband data communications network 2−21434
local computer network dataway systems, appls., interface techniques *(Japanese)* 2−16165
local control systems data buses, communications protocols principles, failure rates and error correction systems *(German)* 2−21550
local electronic mail HP experience 2−16089
local network connection decisions 2−6581
local networks, component description, transmission media, access, interfaces and protocols *(German)* 2−2535
local networks, two-stage transmission arrangement for cabling requirements 2−2650
local weather services, improvements 2−2562
long haul fibre optic data communications system 2−11078
lower bound of the allowable rate domain for adder-channel with correlated sources 2−2278
M-ary variable index continuous phase FSK, power spectral density expression 2−15814
MAIL2K electronic mail system 2−16101
maintenance, administration in DDX public packet switched data network *(Japanese)* 2−6711
management options in data networks 2−6610
mass memory system perf. measurement, DIPS 104-02 operating system appl. *(Japanese)* 2−6593
Mercury telecommunications system, fibre optics and liberalisation 2−6821
METRONET, overview of CATV regional data network 2−21662
microelectronic applications in offices *(Dutch)* 2−21421
microprocessor impaction data storage, processing and transmission *(French)* 2−21427
microwave links for data transmission 2−26298
microwave mobile communication system, transmission of digital data over Rayleigh fading channel 2−26438
military communication network trends and developments *(Finnish)* 2−26428
minicomputer network CITV *(French)* 2−21639
minimum shift keying systems, influence of two-path propagation 2−15815
mining, UHF data communications system for information exchange between surface computers and driverless locomotives 2−16226
Minnesota Power Co., computerised branch exchanges in star network 2−6548
modem network, microprocessor-based, status information improvement 2−2522
modem side-channels using unused frequency bandwidth on leased telephone lines 2−21676
modem speed monitoring in multispeed network 2−2523
modular cross-connect system makes connection for big savings 2−2448
modular equipment for packet switched data networks *(Italian)* 2−16160
multipacket message reassembly times 2−26168
multipath fading, single echo model, radio links appl. 2−15684
multiple access protocols in packet networks 2−6627
multiple communication cryptosystem 2−10639
multiple communication cryptosystems 2−2271
multiple dwell serial synchronisation of pseudonoise signals 2−6483
multiplexer supplier details 2−16156
multiplexers, network efficiency considerations 2−16154
network analysis using protocol, digital and analogue testing 2−16212
network expansion, CASE DCX exchange 2−16155
network management, monitoring and diagnostic systems evolution 2−16151
Network Management Systems 2−6614
network management systems 2−21598
network management systems 2−26263
networks, their architecture and protocols 2−26285
networks design using fuzzy methods *(Slovak)* 2−10852
networks for data and teletex communications, step-by-step establishment 2−21469
new node establishment in DDX public packet switched data network *(Japanese)* 2−6712
new techniques of transmission *(French)* 2−21636
noise tolerance improvement through the transmission of multilevel coded signals 2−6455
non-voice service integration into ITT 1240 digital switching system *(Italian)* 2−21620
nonpacket-mode terminal accommodation in DDX public packet switched data network *(Japanese)* 2−6714
NOWCASTING regional weather information service 2−6641
office automation, text and data communication systems *(Swedish)* 2−26288
office automation electronic mail role 2−16104
office automation technology, data transmission and networking *(Japanese)* 2−16005
office automation trends *(Japanese)* 2−16006
office communication systems 2−10844
office communications, technological influences *(German)* 2−26191
office system networks, a modular approach 2−6623
open queueing networks with finite capacity queues 2−6621
operations analysis and error diagnosis in data networks *(German)* 2−21595
optical, for use in avionics 2−22649
optical fibre network design *(Italian)* 2−26196
optical fibre tapped tee single-mode data distrib. system 2−6826
optical image density, measurement error anal. and reduction by logarithmic amplifier *(Russian)* 2−2364
optimum predistortion of signals *(Russian)* 2−21349
P/N 1360 data systems transmission standard 2−16157
packet radio networks, distributed control 2−21765
packet switched terminal connection protocols 2−16153
packet switching, develop. and international standards establishment 2−16167
data communication systems continued
packet switching applic. *(German)* 2−26302
packet switching networks, development history 2−10847
packet switching systems, advantages for data communications 2−10849
packet-switched data network, facsimile communication system development 2−2483
packet-switched speech/data digital network, optimum packet length calc., w.r.t. delays *(French)* 2−26170
packetized service integration network for dedicated voice/data subscribers 2−16004
patient's case history automatic transmission over voice channel, digital attachment 2−16210
picture browsing system, retrieval of pictures over low bit-rate channel 2−21653
Poisson stream parameter eval., optimal use of data transfer channel *(Russian)* 2−2320
poor man's balloon control and data system 2−12078
priority TDMA protocol for satellite data communications 2−6626
private line telephone network, hybrid mathematical-simulation throughput model for multipoint circuits 2−6479
private telecommunication networks, future development in Europe 2−2432
programmable communications controllers 2−6580
protocol description and validation by Petri nets *(Italian)* 2−16166
protocols, data link controls 2−16143
protocols for telecontrol 2−6555
public key protocols, security 2−21647
Racal-Milgo Phoneplex-24 vocoder and Datacryptor II 2−21664
railway signalling control system, appl. of packet switching techniques 2−18696
Rank-Xerox Ethernet system *(German)* 2−2548
relay-augmented data links, anti-intercept margins 2−6756
remote DP, data transmission protocols *(German)* 2−21586
review 2−26284
RRZ, regional online network *(German)* 2−21551
runlength-coded facsimile pictures, line synchronisation for disturbed data transmission *(German)* 2−10811
rural local authorities data networks *(German)* 2−21589
satellite communications appls. in private data networks *(Spanish)* 2−6798
satellite image data system design guidelines 2−26487
satellite relay system, file transfer to multiple sites, broadcast protocol 2−16413
satellite TDMA, decentralised-control dynamic bandwidth allocation 2−2739
scientific information systems in Japan, group study on planning 2−2539
security of data, EFTS, manufacturing, military computing appl. 2−15828
SENET multiplexed link, fluid approximation approach to estimate data traffic performance 2−6491
serial data communication options 2−6609
shared communication channel control, data-dependent access method, full/half duplex, polled protocols 2−2524
short haul optical fibre cable transmission systems, development *(Japanese)* 2−21831
shortest path calc. by optimal network reduction to subnetworks, appls. 2−13914
SIEMENS SYSTEM EDS text and data switching system, development of software 2−10936
SIEMENS SYSTEM EDS text and data switching system, on-line maintenance by exchange site program 2−10938
SIEMENS SYSTEM EDS text and data switching system, software maintenance 2−10937
SIEMENS SYSTEM EDS text and data switching system 2−10935
signal synthesis minimising intersymbol interference *(Russian)* 2−21350
Sixth Five Year Plan in Hungary, principal objectives *(Hungarian)* 2−10754
Sketchphone system, simultaneous transmission of voice and handwriting signals 2−21655
small scale line concentrator for digital data circuit switched network, 100 to 150 terminals *(Japanese)* 2−6646
SNA alternatives 2−26265
source encoding, delay and overhead 2−15841
spaceflight tracking and data network, NASA, evolution and future 2−17537
spread spectrum technology for tactical digital data links, variable-data-rate/variable-jam-resistance concept 2−2725
SSB data transmission systems, carrier tracking loop analysis 2−15822
standardisation of transmission of words 2−6578
statistical multiplexing in minicomputer networks 2−16152
statistical TDM for rapid data transfer 2−15962
STELLA and SPINE data transmission experiments, results and conclusions 2−11059
Stockholm telecommunications area, test centre for hire data links *(Swedish)* 2−21430
store and forward, telex transmission facility 2−26234
store-and-forward computer networks, decentralized flow control algorithms, investigation of appl. to maximization of power 2−2528
store-and-forward data communications networks, two-queue nonuniform message channel, delay anal. 2−26167
stored program controlled exchange for telex and data traffic 2−21699
Strathnet−a local area network 2−26261
support system for DIPS 104-02 operating system, synthetic system generating techniques *(Japanese)* 2−6589
SW data transmission systems, digital signal synthesis for frequency-differential phase modulation process *(German)* 2−2664
Swiss Telepac, pilot national switched data network 2−26200
Swiss telephone network links *(German)* 2−21599
switchinfo, information switching and impact on switching networks *(Spanish)* 2−21425
switching system interface equipment for the PARCOR audio response system *(Japanese)* 2−26340
System X, introduction into digital telephone networks 2−2456
tapped delay line equaliser filters, fast start-up autocorrelation algorithm 2−6640
task orientated multipriority system, anal. 2−13405
TDM system for railway communication, rolling stock control appl. 2−21651
TDMA satellite communication system, clock recovery for on board regeneration 2−26186

data communication systems continued
Telecom Australia's digital data network, transmission analogue radio relay syst ems 2−16374
teleconferencing present status 2−16065
teleconferencing structures, tasks and individual attributes 2−16064
teleconferencing VMSHARE system 2−16066
telematics technology research and developments in Italy *(Italian)* 2−26192
TELEPAC, packet data transmission system *(French)* 2−10875
TELEPAK, data transmission service of Swedish telephone company *(Swedish)* 2−10788
telephone and facsimile terminal introduction into existing data communication networks 2−6639
telephone subscriber loop, medium-term prospects for new services 2−2457
telephony, digital subscriber line services and signalling, integrated voice/data services 2−16242
teleprocessing developments 2−16198
teletext development in West Germany 2−16224
teletext high level protocols 2−16223
teletext protocol 2−16222
terminal system model 2−2541
terminals, mini-computers and main frame computers in DCA networks *(German)* 2−10851
terrestrial network migration to satellite network, risks, constraints and payoffs 2−2768
time-division multiple access network, channel assignment technique 2−15963
topological design, dynamic problems, computer networks and data transmission networks *(Russian)* 2−26270
transborder data flow, the international market and to economic and sociological effects 2−6498
transborder dataflows: key issues and an implementation mechanism 2−2530
transmission via telephone lines *(Czech)* 2−10857
transmultiplexer implementation, comparison of digital techniques 2−2403
TRANSPAC 1981-1985: evolution of a network and services; the effect of users on the project *(French)* 2−21645
transportation industry computer communications developments 2−10845
trends in data communication techniques, digitalisation of telephone network, LSI appls. *(Japanese)* 2−16007
trigger signal ccts. for TDM systems *(German)* 2−26273
two-out COMMIT protocol for distributed communication systems 2−6607
Univ. Missouri central computer facility and teleprocessing network evolution 2−26286
universal trends in communication *(Finnish)* 2−15991
University of Brazil electronic mail project 2−16100
Unix network implementation 2−26267
UNIX system based teleconferencing charact s. 2−16067
US data encryption standard 2−26090
value added networks, data communication services *(German)* 2−10770
vertex cutsets of graph algorithm 2−26162
VF channel used for data communications, testing 2−24017
Video Response System, an interactive information centre 2−10839
videotex developments for home and business data delivery 2−16117
VIDON multiple service system for use in telephone and CATV subscriber loop 2−10879
virtual call control in DDX public packet switched data network, expansion *(Japanese)* 2−6710
visual communication service introduction in Gulf area, governing factors and prospects 2−6575
voiceband data signal encoding by delta modulation systems, computer simulation, comparison of methods 2−2551
weather forecasting interactive computer graphics system for generating video images 2−2563
Western Europe systems, future of data communications 2−21602
X.25 links maintenance, link-level software testing 2−26299
X.75 based international links from Japan 2−2415
X.75 internetworking flow control 2−2413
XTEN, Xerox Telecommunications Network 2−10868
ZATF 46 CD TGDM system for telex and data transmission 2−16256
CO_2 laser communication technology for intersatellite data links 2−2774

data compression
see also information theory
adaptive delta modulated video signals 2−15939
adaptive discrete representation of messages, comparative anal. of informational efficiency of two algorithms *(Russian)* 2−21338
binary images encoding using DF algorithm 2−26109
coding sources with finite memory, 'book stack' technique 2−21352
conditional runlength codes based on two composite states, improvement 2−10628
diagnosis data compression for digital circuits *(German)* 2−5180
digital predictive run-length image compression, two-dimens. encoding enhancement 2−26152
discrete cosine transform, scene adaptive coder applic. 2−10649
ECG simultaneous noise filtering and data compression, computer algorithm 2−27188
error-trapping decoding concept, for data compression, average distortion per bit 2−2363
fast even discrete sine transform, with offset, for computerised picture processing 2−6465
fast Walsh transform ECG data compression algorithm 2−27191
file transmission, efficient method using on-the-fly adaptive Huffman code 2−6642
high-speed voiceband data modem error rate performance 2−2558
interframe image coding, displacement meas. 2−15941
log companding SNR analysis, for use in digital recording/data analysis system 2−16917
measurement data compression using orthogonal transforms *(Slovak)* 2−11309
mutilievel image compression algorithm, predictive encoding 2−26113
predictive data compression, colour picture signals using component coding system 2−11151
Prestel, still picture transmission, use of image data compression techniques 2−6569
scanned all-points addressable printer, data compression technique using change block skipping 2−2476
speech data compression by line spectrum pair analysis-synthesis technique 2−10666

data compression continued
speech data compression systems using inverse filter codebook 2−10667
speech digital encoding at medium bit rate of 5 to 16 bit/s *(French)* 2−6420
teleconferencing, at 9600 baud 2−11261
two channel picture coding system, adaptive companding and colour coding 2−15946
two channel picture coding system, real time implementation 2−15945
vectorcardiograms interpretation through artificial learning, VITAL 2−27192
video DM bit stream, entropy encoding 2−10650

data conversion
see also analogue-digital conversion; digital-analogue conversion
analogue components 2−14900

data dictionaries *see database management systems*

data handling
see also cryptography; data privacy; data reduction and analysis; text editing
bar code record format 2−21293
computerised measurement system, software structures for online data processing *(Russian)* 2−26730
cycle-steal commands, rapid set-up 2−24489
DIAL: structuring and representing data for interchange at the application level 2−16150
electrographic printing, image resolution 2−21052
GaAs FET logic for spacecraft 2−25341
graph theory, conf. at Aore, Israel, 1981 2−19243
Gray code to binary code conversion program *(German)* 2−2259
integrated services digital networks, data communication handling prospects 2−21618
longitudinal parity generation for single-bit error correction 2−26089
microsystems, conf., London, England (March 1981) 2−23895
multiple formated data strings, utilisation of cyclic redundancy check for error correction 2−6402
radioheliograph at Nancay *(French)* 2−6879
roll-mode error correction 2−2262

data loggers
advanced data logger design 2−22181
Analogic ANDS-5400 modular data logging system, appls. in areas of high speed response and meas. accuracy *(German)* 2−26789
automatic video signal processing instrument with logging capability TV transmitter performance monitoring 2−22083
automotive crash tests, appl. of 16×16 channel transient recorder 2−26795
energy management using microprocessor-based data loggers 2−26793
hardware aspects of design 2−22184
HP 3054DL data logging system 2−7049
laboratory tape recording methods, analogue and digital 2−7138
marine bedforms movement monitor, with EPROM data storage 2−22731
microcomputer based data recorder, software design 2−22057
microprocessor based data acquisition system 2−16883
microprocessor based logger for measurement of temperature stress of catalysts in vehicles 2−26794
microprocessor-based data recorder design 2−16874
microprocessor-based logger for ship and shore data acquisition 2−3215
microprocessor-controlled equipment, 'W+W' 400 type, use of Z80 central processor *(German)* 2−26877
multi-channel data recorders, capabilities and market development 2−7131
multichannel data logger for heat pumps using C90 cassettes 2−26790
oceanographic microprocessor-based data logger 2−3626
piezoelectric vibration/press. transducers, programmable signal conditioners, data acquisition system appls., interface with lab. computer 2−11426
pre-launch missile data recording and display, solid-state data extraction unit 2−22198
printing counter, conversion from calculator with print-out 2−26787
RTP-600A 2−7132
soil moisture meas., microprocessor-based instrumentation 2−22095
strain gauge data acquisition system improvement *(German)* 2−7022
temperature monitoring and logging system 2−17163
temperature-logging, digital data-recording on super 8 film cartridges 2−7052
test defect data logging system based on Sperry-Univac 1182-mainframe for PC assemblies 2−22062
TV broadcast signal meas. and logging system, Tektronix 1980 ANSWER set 2−22084
underwater tension meter for trawl warps tension meas., microprocessor-based 2−26755
wastewater treatment facility appl. 2−11400
YODAC-855 intelligent data logger, charact s. 2−7053

data preparation
see also word processing
IC masks, automatic generation by means of pattern generator controlled by HP-9830 calculator *(Czech)* 2−5793

data preparation equipment
see also magnetic tape equipment; punched card equipment; punched tape equipment
primary data conversion devices noise stability 2−8303

data privacy
see also cryptography
anti-intercept margins of relay-augmented data links 2−6756
chip cards for funds transfer, identification and access control 2−9101
Telekrypt-Mini flexible modular cipher device 2−15996
transborder dataflows: key issues and an implementation mechanism 2−2530

data processing *see DP industry*

data processing (administrative) *see administrative data processing*

data processing industry *see DP industry*

data reduction and analysis
see also data acquisition
32-channel minicomputer-based system for measurement signals acquisition and processing, hardware and software *(Czech)* 2−26788
aircraft turbine engine emission meas., sampling, analysis and data reduction problems 2−22432
analogue signal plotting from coarse digital data using slow digital plotter 2−11516
ATE systems statistical evaluation 2−22127
automated data qualification 2−22042

data reduction and analysis continued
behavioural medicine laboratory appls. of microprocessors 2—27195
biological impedances meas., automated microcomputer system appl. 2—7180
cathode read-out MWPC, charge centroid evaluation, systematic error 2—3369
computer-controlled high-speed data receiver-processor, ESR spectroscopy appl. 2—11373
deconvolution of signals from scientific meas. instruments 2—11993
differential transformer transducers, linearisation using digital techniques *(Dutch)* 2—26829
digital multichannel rapid analysers, design principles 2—16894
ECG processing, high speed data compression using microcomputer and logic 2—11929
ECG serial comparison using statistical signal analysis 2—3502
EEGs of epileptic patients, computer evaluation system 2—22558
explicit filtering, comparison with implicit 2—21346
flight testing portable system, advanced medium scale real-time system 2—10819
frequency meter results analysis, using simple attachment 2—7139
geophysical prospecting, method of reducing terrain relief effects from VLF-EM data 2—22716
implicit filtering, comparison with explicit 2—21346
in-circuit testing data processing, quality assurance improvement 2—8292
laboratory data acquisition and processing, employing personal microcomputer system 2—11401
log companding SNR analysis, for use in digital recording/data analysis system 2—16917
magnetotelluric inversion, analytic one-dimensional scheme 2—7419
microelectronic test chips in IC manufacture 2—9704
microprocessor-based architecture for high speed computations 2—15872
microprocessor-based meas., statistical errors correction *(Czech)* 2—16751
multi-point measurements using the type UPH3200 data multiplexer with fixed program microprocessor or flexible program computer *(German)* 2—16812
multicomponent decay anal. using max. likelihood method 2—22478
neuromuscular bioelectric events, real time data acquisition and analysis using microcomputer system 2—17387
neutron polarisation meas. facility and polarisation data anal. methods 2—22475
nuclear thickness gauges for rolling mills, digital electronics appl. *(German)* 2—17320
oceanographic undulating recorder Mark 2, for environmental parameters obs. 2—22740
oil exploration, electronic instruments and control 2—7426
on-line system for track chamber film anal. 2—27073
principal components analysis, APL functions 2—24222
QDS gauge control system 2—7012
real-time US receiving system, monolithic array transducer, microcomputer for data acquisition *(Japanese)* 2—12098
remote sensing, reduction of satellite magnetometer data for geological studies 2—17552
rotor vibrations research, using minicomputers, aerospace appl. 2—4007
semiconductor measurement data-base system 2—14951
shock oscillations on spiked body obs., flow visualisation using laser interferometer 2—12003
spectral analysis, prediction and extrapolation, appls. to EEG and evoked response 2—17381
stochastic signal stream distrib. registration, anal. of histogram distortion *(Russian)* 2—3092
turbomachinery aerodynamic research, digital data acquisition and anal. system 2—26800
underwater acoustic surveys quantifying system, freshwater fisheries appl. 2—27291
VHF/UHF signal strength meas., automated logging and analysis system 2—16888
weapon delivery simulation, with airborne data acquisition and ground-based processing 2—17496

data security *see security of data*

data structures
graph theory, conf. at Aore, Israel, 1981 2—19243
man-computer communications, conf., Waterloo, Ont., Canada (Jun. '81) 2—2504
man-computer communications, conf., Waterloo, Ont., Canada (Jun. '81) 2—10835
matrix symmetric Gaussian elimination algorithm 2—19321
token game playing in an algebra 2—24067

data tables *see collections of physical data*

data transmission equipment *see data communication equipment*

data transmission systems *see data communication systems*

database management systems
aerospace, architecture 2—22671
avionics integration support facility, embedded computer software modification config. and data management 2—7373
deadlock algorithm in distributed databases, local and global deadlock detection *(Japanese)* 2—26271
distributed database management system architectures 2—21610
distributed database system, network architecture 2—16207
electronic automatic exchange database administration system 2—2631
energy management system, database management problems and solns. 2—3720
GTD-5 EAX data base administration system 2—26343
LSI processing and yield CTX 300 technical database and analysis system—missing link in the semiconductor information system 2—14955
maintenance MIS for shop supervisors and managers 2—22115
microprocessor impaction data storage, processing and transmission *(French)* 2—21427
MV network, real time data processing system for visual display and calc., database aspects 2—3747
Navy's ATE management, workload and cost savings forecast utilizing supply support data 2—22116
power distribution network planning, use of computer graphics in database management systems 2—27478
power system monitoring activities, topology, observability and state estimation 2—3717
relational database management magnetic bubble memory structures 2—1580
relational databases, join graphs and acyclic database schemes 2—363
relational DBMS, RDB/V1, optimisation strategy for query evaluation 2—432

database management systems continued
scientific information systems in Japan, group study on planning 2—2539
semiconductor fabrication process, automated system for operation and control 2—18982
semiconductor measurement data-base system 2—14951
state-of-the-art survey and requirements for power system calcs. 2—27329
transaction oriented recovery in distributed database systems *(German)* 2—6576
wafer process requirements and associated costs 2—14952

dating, radioactive *see radioactive dating*

dawn chorus *see atmospherics*

dayglow *see airglow*

d.c. amplifiers
class A DC power amplifier, design description *(French)* 2—5133
input amplifiers for sensors, noise charcts. *(German)* 2—5130
instrumentation amplifier IC, designed for O_2 sensor interface requirements 2—19567
modulator-demodulation type, S/N improvement using synchronous integrator 2—777
precision amplifier suitable for temperature measurement *(German)* 2—724

d.c. generators
see also homopolar generators; rotating amplifiers
adaptive noninteracting controller appl. to motor-generator set 2—12661
Advanced Aircraft Electric Power System 2—12038
aircraft generator frame mode shapes and resonant freqs., finite element appl. 2—12037
brush arcing in DC motors and generators, causes and prevention *(German)* 2—27937
series dynamos, recuperation braking with impulse convertors *(Czech)* 2—28005
standby diesel-driven DC generators *(Spanish)* 2—27773

d.c. machines
see also d.c. generators; d.c. motors; homopolar machines
algorithm for the analysis of the dynamics of rotating electrical machines with ring and bar commutator windings 2—4232
aspects of switching *(Rumanian)* 2—23307
brush-collector electric contact influence, on commutation of inductive cct. *(Rumanian)* 2—27933
circuits with DC machines, transients determ. 2—7869
commutator, influence of RFI on machine performance, obs. 2—4217
commutator glass band protective coating 2—23314
commutatorless, design, construction and performance for supplying battery on electric vehicles 2—18272
comparison with synchronous and asynchronous machines, with and without static converters *(Dutch)* 2—23276
controlled conductance current switching in low voltage, high current DC machines 2—4231
DC traction machines, noncompensated, magnetic circuit stray losses calc. *(Polish)* 2—4215
electromechanical convertor testing using programmable load *(French)* 2—23370
excitation dynamics, optimisation 2—12659
irregular air gap cross armature reaction demagnetising effect 2—4234
kinetic energy accumulator electric machines starting charcts. determ. 2—27943
magnetic fields, permanent magnet effect, vector pot. finite element anal. 2—15208
permanent magnet machines, electronically commutated, digital simulation of power conditioner-machine interaction 2—27939
rectifier-fed DC machine operating characteristics *(German)* 2—18260
rotor-pole interaction, mechanical vibration excited, fluctuations 2—12655
thermal checking 2—7871
thyristor fed multiphase commutatorless, performance anal. 2—4226
variable speed electric drives using electronic switching control 2—18641

d.c. motors
see also homopolar motors
active synchronization control system used in DC linear motor 2—12663
adaptive noninteracting controller appl. to motor-generator set 2—12661
analysis of solar powered electric water pumps/ 2—23204
analytical model of solar powered separately excited DC motor 2—27942
annular permanent magnet, demagnetising stability 2—18269
automatic armature and field control of DC series motors 2—12657
automatic control for a video head block of studio video tape recorders using noncontacting DC motors *(Russian)* 2—21979
bidirectional, print shaft drive in electronic typewriter, paddle wheel exhaust fan system 2—27940
brush arcing in DC motors and generators, causes and prevention *(German)* 2—27937
brushless for space appl., charcts. 2—18265
chopper ccts. providing two quadrant operation of separately excited DC motor with forward braking, comparative study 2—7921
chopper controlled series, dynamic response 2—18266
chopper driven, back EMF calc. model 2—4224
chopper fed DC motor drive system, steady state performance simulation 2—8028
circuits, charcts. and appls. *(Dutch)* 2—7868
commutators, moulded plastic, testing problems in repair process 2—23311
compressors for 12 V and 24 V direct current 2—7961
computation of a DC brushless motor with rare-earth cobalt magnets and controlled power electronics 2—4221
computer modelling of chopper controlled DC machines 2—4220
computer simulation of DC machines 2—4233
control and drive logic integrated circuits *(German)* 2—12669
control system design of DC transistor chopper motor drive *(Slovenian)* 2—7865
controller for switching between forward, reverse and off, split power supply 2—4319
cranes, floating for off-shore construction, convertor-fed DC drives rated at 3100 kW, supply problems 2—23851
DC motor braking, pseudo-bipolar PWM switching 2—696
DC motor chopper quasi-steady state anal. 2—18636
DC thyristor electric drives, steady-state operating regimes mathematical description using harmonic components and Laplace finite transform 2—28149
DC/AC electric motors speed control and drive systems, applications *(Dutch)* 2—18157
design and performance of DC chopper circuits used with DC traction motors 2—28034
drive speed control system A/D convertor 2—23355

d.c. motors continued
electric drive ccts., behaviour in dynamic conditions *(Rumanian)* 2−18261
electric motor drives for offshore oil and gas platforms, design problems 2−23661
efectric railcars, type 200, electrical equipment *(Japanese)* 2−4418
exact analysis of a thyristor controlled servomotor with a free-wheeling diode 2−4227
extension of constant horsepower range for appl. in metal cutting process 2−27945
failure diagnosis, freq. anal. appl. 2−4235
field coils, new insulation system, testing 2−23313
industrial, history and developments 2−7867
industrial control motor drive microprocessor interface, position control *(Italian)* 2−12656
investigation of rotational nonuniformity in contactless DC motors 2−4218
ironless rotor, small, theoretical and experimental reliability anal. 2−12662
low-power traction drives using DC disc-armature motors 2−18647
magnetic field and transient calc., conf. at Athens, Greece (1980) 2−23240
magnetic field distribution in two dimensional domains in nonlinear and anistropic media determination by finite element analysis, permanent magnet DC motor appl. *(Italian)* 2−10420
mechanical characteristics of series-excited pulse-fed motors allowing for saturation of the magnetic circuit *(Russian)* 2−18264
microprocessor-based velocity control, training programme *(German)* 2−18262
one-shots KO pass drivers in low-power motor-speed control 2−18259
online parameter estimation for motors with separate excitation and adaptive control *(Chinese)* 2−18257
performance of the direct current linear motor with electronic commutation 2−12667
permanent magnet, moving coil and slotted armature designs performance limitations 2−18271
permanent-magnet, with controllable electronic commutators, steady-state behaviour anal. 2−18270
phase-locked loop control schemes of linear and nonlinear DC motors 2−4223
phase-locked loop DC motor drive with improved transient performance 2−18268
photovoltaic drive system for water pumping using solar cell array and DC motor, performance anal. 2−8001
propulsion trains for electric vehicles, separately excited DC motor control systems 2−8039
pulse-controlled series-wound traction motor, current mean values determ. in thyristor convertor *(Russian)* 2−12992
quasi-steady-state analysis of nonlinear circuits with pulse width regulation *(Russian)* 2−8953
realisation of critically permissible overload capability for DC motors *(Russian)* 2−23308
recent developments in thyristor-chopper technology 2−7920
reference information 2−7812
regenerative braking performance analysis of a thyristor-chopper controlled DC series motor 2−18267
resistance braking of DC motors *(German)* 2−18263
ring sparking on the commutators of traction motors *(Russian)* 2−27936
servomotor, velocity controller, design method *(Korean)* 2−27941
six-pulse reversing armature supply, microprocessor appl. as control and logic element 2−18273
small and special electrical machines, conf. London, England 22-24 Sept. 1981 2−12581
SmCo magnets, magnetic behaviour under static, dynamic and thermal regimes *(French)* 2−27944
speed control cct., using CSF UAA 4004 IC, 220 V supply *(French)* 2−4219
speed control using microprocessor, model reference adaptive control theory appl. 2−12658
speed regulation without tachogenerator *(German)* 2−18258
speed regulator for d.c. motor/tacho-alternator *(German)* 2−23305
speed regulator systems design and control algorithms, for tape recorders *(Polish)* 2−2954
square frame, low output range, cooling and noise characts. 2−7870
steady and transient operating characteristics of DC motors energised from thyristor inverters *(German)* 2−27935
subfractional horsepower motors, reliability tests, method for increasing effectiveness *(German)* 2−23310
surge load and armature reaction relationships *(Russian)* 2−23309
theory, operating principles and applications *(French, German)* 2−23306
thyristor control type with field weakening control, digital simulation method as design aid *(Japanese)* 2−4216
thyristor controlled, speed control 2−4222
thyristor driven separately excited, SUPER SCEPTRE program 2−4230
thyristor fed, performance anal. 2−4228
thyristor Leonard system, power factor improvement 2−4225
traction, thyristor-driven K580 microprocessor-based current control *(Russian)* 2−4404
traction motor and controller for light rail vehicles *(Japanese)* 2−4421
traction motor service reliability experience 2−7866
transistor chopper driven, performance anal. 2−4229
types, characts., and appls. in household appliances 2−4022
winding insulation, glass banding tape, UV curable 2−23312

d.c. power transmission
future power systems, electronics appls. 2−3706
high frequency harmonic generation associated with AC/DC conversion schemes *(Portuguese)* 2−27459
HV, system improvements *(German)* 2−17698
HVDC power convertor with twelve pulses and equidistant firing system, simulation model 2−27465
HVDC submarine cables, Japanese (Hokkaido-Honshu) linkage 2−27509
HVDC thyristor development *(German)* 2−25217
HVDC transmission growth 2−12234
HVDC transmission over long distances *(German)* 2−27461
metallic return transfer breaker for HVDC transmission system maintenance 2−12232
telecommunication system of Cahora Bassa-Apollo scheme, control and protection functions 2−3740
USA Pacific HVDC Intertie capacity improvement 2−17655

d.c. sputtering
MOS capacitors, DC magnetron sputtering process parameter rel. to hot electron trapping 2−20148
Ba ferrite films with perpendicular mag. anisotropy, DC sputtering prep. 2−13835
InP oxide film deposition on InP for MOSFET appls. 2−20263
$In_{2-x}Sn_xO_3$ film, DC magnetron sputter deposition 2−24333
Nb-Ge films, DC sputtering prep. and struct. rel. to supercond. props. 2−20556
Si:H(B)(P), amorphous DC sputtered coating, doping and elec. props. 2−19424
TiO_2 semiconducting thin film photoelectrodes for photoelectrochemical cells 2−18406

d.c. to a.c. invertors *see invertors*

d.c. transformers
see also magnetic amplifiers; rotating amplifiers
pick-up for current meas., optimum supply voltage selection 2−3119

d.c. transmission networks
2000 MW DC cross-Channel link development and installation aspects 2−22895
AC power flow control with a multiterminal DC system 2−12226
AC/DC load flow method for multiterminal DC systems 2−12213
choice of analytical and modelling methods for reactive compensation equipment 2−12293
current and voltage harmonics in HVDC transmission *(German)* 2−27463
current order coordination in multiterminal DC systems 2−12233
EHVDC transmission line in Zaire, construction problems 2−12235
HV transmission from EPOS offshore power station to mainland *(German)* 2−17697
HVDC, metallic return protecting cct. breaker, development and field appl. 2−18382
HVDC lines, harmonic suppression and improved mechanical props. by new conductor design *(German)* 2−3739
HVDC power transmission lines, environmental and physiological effects 2−12262
HVDC short interconnection, experience *(German)* 2−27460
HVDC transmission lines, ion flow field calc. by finite element anal. 2−17748
HVDC transmission lines, space charge environment generation due to corona discharges and effects 2−12278
HVDC transmission systems, DC filter ccts. performance and rating 2−7526
HVDC/AC interconnection systems, simulation methods *(German)* 2−27462

DDC *see direct digital control*

debugging, program *see program debugging*

Debye-Scherrer cameras *see cameras; X-ray crystallography apparatus*

Debye temperature
see also specific heat
GeTe, low temp. elec. resist. and Debye temp. 2−9473
V_2O_5 amorphous layers, hopping cond., disorder energy 2−25014

decidability *see computability and decidability*

decision theory *see decision theory and analysis*

decision theory and analysis
see also Bayes methods; dynamic programming
approximations of Bayes and minimax risks and the lest favorable distribution 2−24070
ATE decision processes and tools, demonstration report 2−22140
best choice problems 2−4739
binary coordinate relations in criterion space 2−24135
bootstrap and Bayes extended and unextended set compound rules, small N performance, classification between N(−1,1) and N(1,1) 2−19115
composite-majority rule for choice between options 2−24134
convex fuzzy random variables 2−24177
decision making under risk in the case of nuclear power system development 2−23017
discrete bargaining games, number of outcomes in Pareto-optimal set 2−24074
district telephone networks, configuration, selected decision criteria *(German English)* 2−10783
engineering management of desalination plants in Saudi Arabia using fuzzy decision analysis 2−18916
epileptic EEG, decision-theoretic and syntactic pattern recognition techniques 2−17389
equilibrium strategies in dynamic games with multilevels of hierarchy 2−19117
error probability, Bayesian, lower bound 2−13420
fuzzy binary relations of indifference and preference, structure 2−8446
fuzzy preference model in decision making 2−4744
fuzzy set theory *(Czech)* 2−24072
fuzzy systems, decision making, problems concerning construction of algorithms 2−13421
general formulation of identification problem for objects and phenomena 2−13417
GI/M/1 queue control by conditional acceptance of customers 2−192
interactive approach to multiple criteria decisionmaking based on statistical inference 2−8447
isotone optimal policies for structured Markov decision processes 2−8445
labels of fuzzy sets, expts. in manipulation and representation 2−4850
large scale Markov decision processes, bounds for suboptimal design procedure 2−8460
linear decision rule for complex hypotheses testing, synthesis, algorithms comparison 2−24078
M/M/1 queue, optimal control for entry of many classes of customers 2−13411
Markov decision processes, computational methods 2−8458
Markov decision processes with continuous and switching costs 2−8459
model switching criterion for class of stochastic linear programs 2−13619
monotone follower problem in stochastic decision theory 2−8444
multicriteria anal. 2−19111
multicriteria choice problems, structure of initial set of alternatives 2−4750
multicriteria decision making, game theoretical approach *(Hungarian)* 2−8454
multiple statistical decision theory, book 2−4749
nuclear power station, operate-shutdown decision and test policy of safety systems 2−7640
on generalized Bellman's functional equation 2−8451
on risk aversion in risk acceptance criteria 2−8218

decision theory and analysis continued
optimal selection from random sequence with observation errors 2−13431
power network, stability dynamic model of optimum development *(Russian)* 2−17691
preference, efficiency and convexity−models of decision response *(German)* 2−4745
ranking of extension alternatives of R&D projects 2−18931
rational solution axioms and efficient sets 2−13418
sales organisation fuzzy team problem 2−19112
satisficing process from the perspective of extended topology 2−8448
separable utility functions, characterisation 2−4743
sequential signal processing system in channels with memory, decision feedback effects on noise immunity 2−10699
signal recognition from Karunen-Loew features determ. by energy spectrum *(Russian)* 2−26123
signaling and decision scheme with application to multiple-access communication 2−6684
statistical inference procedures 2−24079
stochastic dynamic zero sum two person games, optimal strategies in minimax decision models *(German)* 2−13429
structured Markovian decision models, optimal policies 2−24069
technique for the evaluation and comparison of alternative energy technologies under uncertainty 2−17808
undiscounted Markovian decision problems, selection algorithm for ε optimal policies 2−13430

decoding
see also demodulation
1-step majority-logic decoding with two rounds of estimation, error correction capabilities 2−2292
algorithm for soft-decision decoding of (24, 12) extended Golay code 2−2265
AM stereo decoder IC 2−2894
Antiope and UK teletext reception comparison field trials 2−21524
apple byte table 2−10625
band-limited nonlinear satellite channels with M-ary PSK, decoding with approx. channel statistics 2−10605
BCD decoder, 7-segment, U821D IC appl. *(German)* 2−7170
block encoding and decoding for optical PPM channel 2−21283
buried-subcarrier encoding and decoding for RCA video discs 2−2948
C-CD memory using multilevel storage, encoding and decoding circuits 2−24523
cascode emitter-coupled logic balanced positive decoders 2−14071
convolutional codes, sliding-block decoder, realisation using time-invariant nonlinear digital filter in ROM 2−2269
data compression algorithm using error-trapping decoding concept, average distortion per bit 2−2363
digitising/decoding IC based on delta modulation, telephone headset appl. 2−26307
duality for the group-coset probability ratio 2−21286
dynamic programming algorithm for phase estimation and data decoding on random phase channels 2−15834
error correction codes, low-complexity, recursive approach 2−15829
error-correcting codes, generalized tensor product codes, decoding procedure, simplification 2−10643
error-trapping decoding, (n,k,t)-covering system 2−15837
European teletext systems, mutual compatibility problems and prospects 2−21522
FM stereo decoding IC with birdie noise cancelling circuit 2−2893
Fourier transformation appl. 2−2279
Gray code to binary code conversion program *(German)* 2−2259
heuristic decoding of convolutional codes/ 2−2274
hexadecimal display unit, decoding 4-bit binary number, ICs, LEDs 2−3235
minimum distance, for ambiguity removal from cyclical measurements *(Russian)* 2−2255
Mitel's touch tone decoder chip set, using MT8860/5 ICs 2−26303
monolithic tone decoder chips using PLL principle 2−14026
Morse, machine code computer program, Z80, amateur radio appl. *(Italian)* 2−21270
multiple formated data strings, utilisation of cyclic redundancy check for error correction 2−6402
multiple-access channels, universal coding and decoding problems 2−10726
multipoint monitoring systems, logical organisation of decoding structures *(Russian)* 2−2254
nonconsecutive address decoding by PROM and decoder/demultiplexers 2−9094
nuclear medicine pictures, coding and decoding 2−22549
optimal lattice-based code, encoding and decoding algorithms 2−2290
PAL-decoder for video signal processing *(German)* 2−26613
reliability function of DMC at rates above capacity in presence of noiseless feedback 2−21281
Rician fading channels, convolutional code performance bounds 2−2286
serial communication line adapter decoder using programmable logic arrays 2−6403
serial-to-parallel conversion of 6 bit pulse train 2−14190
sound multiplex decoder IC for TV receivers 2−2900
sound signals, narrow- and wide-band coded *(Italian)* 2−6397
stereo or three-dimensional broadcasts, improved demultiplexer 2−16614
stereo-decoder ICs TCA 4510, 4511 *(German)* 2−16701
stereo-duo-tone adapter for standard TV set *(German)* 2−11205
telephone touch tone decoder for remote control 2−16231
teletext decoder, dual standard, microprocessor-based design 2−16131
teletext DIDON and Antiope decoder principles, characteristics and applications *(French)* 2−21535
TESLA SECAM decoders, colour synchronizing system 2−21962
trellis decoding of convolutional codes, implementation of microprocessors 2−26086
TV transmission subtitling by Antiope teletext system *(French)* 2−21914
Universal Reed-Solomon decoder, conceptual design 2−15842
variable-length code-word encoder/decoder 2−10635
videotext decoder for Grundig Super-Color TV sets *(German)* 2−16128
Viterbi decoder, memory content management scheme 2−2268
Viterbi decoding algorithm performance bounds 2−2284
weather satellite pictures, data decoding and processing 2−16080

decorative coatings
No entries

deep level transient spectra *see deep level transient spectroscopy*

deep level transient spectroscopy
see also deep levels
computer-controlled DLTS, C(u) and C(t) meas. appl. to study of interface props. of GaAs MIS capacitors 2−20143
MOS system, surface states and minority carrier generation meas. by DLTS *(Japanese)* 2−9510
Schottky diodes, temp. dependence of peak heights in DLTS, computer simulation 2−9614
semiconductors, deep levels, meas. techniques, DLTS, thermally stimulated capacitance, photocapacitance and photocurrent meas. methods *(Japanese)* 2−9391
AlGaAs-GaAs solar cells, deep-level defects, low temp. periodic annealing effects 2−18469
AlGaAs-GaAs solar cells, proton irrad., radiation-induced deep-level defects, annealing, DLTS, SEM 2−18551
$Al_xGa_{1-x}As$ p-n junction solar cells, grown-in deep-level defects 2−23616
GaAlAs LEDs, slow degradation study by DLTS 2−10167
GaAs, MO-CVD grown under different Ga/As mol fractions, deep levels 2−604
GaAs planar devices, interface traps, DLTs and PITs methods 2−1397
n-GaAs, spectroscopic line fitting to DLTS data 2−14650
GaAs, VPE layers, implanted and annealed, elec. and optical props. 2−24969
n-GaAs-oxide layer, interface defect states effect on electronic props. 2−14717
GaInAs-AlInAs structures grown by molecular beam epitaxy 2−8808
$p\text{-}Hg_{1-x}Cd_xTe$, deep levels, narrow-band-gap space-charge spectroscopy 2−1175
$p\text{-}Hg_{1-x}Cd_xTe$, deep levels, correlation with photodiode performance 2−1176
InP:Zn, p^+n junction diodes and Schottky barriers, deep levels, Zn diffusion effects, DLTS study 2−9427
Si epitaxial layers on Si substrate, elec. props. 2−20060
p-Si, float zone, in CCD imagers, deep levels study 2−5534
Si, impurity and defect characterisation techniques, book contrib. 2−1168
n-Si, neutron and 2 MeV electron damage, comparison by DLTS 2−5530
a-Si:H, meas., and anal. of current transients, DLTS and TSC obs. 2−25002

deep levels
see also deep level transient spectroscopy
amorphous semiconductors, hot carrier thermalization, deep trapping and recombination 2−24998
bipolar transistors, influence of post-emitter processing on current gain 2−25204
IV-VI semiconductor, defect states, optical and magneto-optical meas. 2−9469
MOS capacitor, physical characterisation of deep bulk levels by MOS conductance technique 2−25088
power diodes, comparison of perform. of Au and Pt killed devices, leakage current and switching time meas. 2−25198
PTFE-polyhexafluoropropylene electret, charge relaxation, surface phenomena role 2−9756
Schottky diodes, temp. dependence of peak heights in DLTS, computer simulation 2−9614
semiconductor, photolum. and photolum. excitation spectroscopy characteris., review 2−9394
semiconductor device family based on deep impurities 2−9599
semiconductor junctions with deep impurity levels, admittance, space charge anal. 2−9479
semiconductor p-n diodes, deep centres local distrib., photocapacitance study 2−14838
p-Si for nuclear emission detectors, deep-level investig. *(Russian)* 2−14621
AlGaAs-GaAs solar cells, deep-level defects, low temp. periodic annealing effects 2−18469
AlGaAs-GaAs solar cells, proton irrad., radiation-induced deep-level defects, annealing, DLTS, SEM 2−18551
$Al_xGa_{1-x}As$ DH laser, deep level luminesc., spatial distrib. 2−1966
$Al_xGa_{1-x}As$ p-n junction solar cells, grown-in deep-level defects 2−23616
$Au/Si_3N_4/p\text{-}Si$ structure, charge transfer, temp. depend. 2−9508
$B_{12}GeO_{20}$, wide-gap semicond., free carrier exclusion in current-voltage characts. 2−20117
$Bi_{12}SiO_{20}$, illumination-induced impurity photoconductivity 2−25586
p-CdSb, undoped, photoelec. props. 2−25585
Cu_xS/CdS solar cells, characterisation by photocapacitance IR quenching 2−12863
$n\text{-}Ga_{1-x}Al_xAs$ epitaxial layers, electron mobility 2−9431
$Ga_{1-x}Al_xAs$, photocond. storage obs. at low temp. 2−25583
GaAs, electron trap and hole trap discharge ratio, temp. dependence *(Japanese)* 2−14647
GaAs MESFETs, microwave noise due to deep levels 2−1391
GaAs, MO-CVD grown under different Ga/As mol fractions, deep levels 2−604
GaAs, microwave MESFETS, assessment of deep traps 2−1392
GaAs $p^+\text{-}n\text{-}n^+$ structs., nonequilib. minority carriers, effective lifetime in lightly doped n-type region 2−9495
GaP, deep levels in light-emitting devices, electron trap and hole trap discharge ratio, temp. dependence *(Japanese)* 2−14647
GaP diodes, deep recombination centre parameters, TSC study 2−20231
GaP:Cu, TSC trace, estimation of capture cross sections 2−9438
Ga_2Se_3 thin films in MS'IS structure, elec. props., localised states influence 2−14740
$p\text{-}Hg_{1-x}Cd_xTe$ photodiode, minority carrier lifetime and recomb. mech. 2−1177
InP:Fe, thermally stimulated cond. investigation 2−14644
$Pb_{1-x}Sn_xTe$:Cd, carrier density, temp. depend. 2−9474
Pd-GaAs Schottky diodes, current-voltage and capacitance-voltage characts., electron irrad. effects 2−9500
n-Si, deep centres introduced by Ar ion bombardment 2−14629
p-Si $p^+\text{-}\pi\text{-}p^+$ planar devices, hot carrier transport noise, meas., generation-recomb. noise rel. to deep levels 2−25172
Si, solar cell, n^+-p, electron irrad. and annealing effects 2−4339
Si solar cells, thermal stability of impurities 2−23512
Si:Au(Pt), deep levels, effect on device performance *(Japanese)* 2−14647
Si:Cr, energy levels and degeneracy ratios determ. from Hall coeffs. 2−14627
a-Si:H, Schottky barrier structures, capture cross-section and density of deep gap states 2−25075

deep levels continued
Si:H amorphous Schottky diode, electron transport and deep localized state kinetics 2−25188
Si:N amorphous film, elec. and optical props. 2−9459
Si:S, sharpline photocond. 2−10118
Si_3N_4 film, MNOS struct., electron traps, photoionisation cross-section 2−25081
$Ta-Ta_2O_5-MnO_2$ system, space-charge-limited cond., Poole-Frenkel effect 2−25092
$ZnSiO_4:Mn^{2+}(Mn^{2+},As)$, photoexcited and photostimulated luminesc. and cond. 2−25610

defect electron energy states
see also colour centres; deep levels
chalcogenide glasses, defect and impurity effects 2−25024
chalcogenide glasses, photoconductivity, slow relax. via D centres 2−10120
IV-VI semiconductor, defect states, optical and magneto-optical meas. 2−9469
semiconductors, compensated, localised charge carriers, particle statistics and transport 2−9390
CdTe p-n junctions, electrolytically prepared, emission props. 2−1813
n-GaAs-Au Schottky barrier height increase, Fermi energy pinning behaviour 2−5623
n-GaAs-oxide layer, interface defect states effect on electronic props. 2−14717
Ge-Se, glass, doped, elec. transport props. 2−25005
Ge-Te, glass, doped, elec. transport props. 2−25005
Ge_4Se_5Te films, charged defects, Poole-Frenkel effects study 2−25007
Se, amorphous film, photostruct. fatigue 2−15382
Si, amorphous, photolum., influence of excitation density and n-type doping 2−25603
Si amorphous RF sputtered coating, photocond., optical and EPR props. 2−20093
p-Si, electron irrad., Hall mobility, pot. relief analysis 2−5536
Si p-n junction, alpha particle irrad., radiation defects 2−5618
Si:B(P), amorphous, defect-dopant atom interaction 2−20099
Si:H, amorphous, reactively sputtered, solar cell, electron-hole recombination 2−23417
Si:H, amorphous ion beam deposited coating, EPR spin density 2−20094
Si:H(B)(P), amorphous DC sputtered coating, doping and elec. props. 2−19424
$Si-SiO_2$ interface defects, low temp. annealing and hydrogenation 2−5636

defects, crystal *see crystal defects*

defibrillators
see also patient treatment
cardiological service, instrumentation for resuscitation and intensive care departments 2−11951
microprocessor based analyser, precision calibrator and tester appl. 2−11968

deformation
see also bending; cold working; creep; drawing (mechanical); elastic deformation; elongation; ferroelasticity; plastic deformation
beam transverse shear and rotary inertia Gaussian model 2−13789
composite shell structures, finite element analysis 2−13738
cylindrical surface under axial load, deformation meas. by holographic interferometry *(Japanese)* 2−11617
in-plane deformation meas. using holographic moire 2−15562
magnetic bubble materials, ion implanted, strain distrib. modelling 2−1589
mechanical loading, static and dynamic, instrument with modulating capability 2−17137
welded structure deformations, acoustic sensing elements 2−7457
Nb-Hf/Cu-Sn-Ga, multifilamentary supercond., crit. current, strain effects 2−9886

degenerate semiconductor materials *see degenerate semiconductors*

degenerate semiconductors
see also heavily doped semiconductors; superconducting semiconductors
semiconductor ultrathin film, non-parabolic, Einstein relation, size quantisation effect 2−9389
αAg_2Se, oriented thick films, Fermi level position, Hall effect 2−25043
p-GaAs, linear photogalvanic effect *(Russian)* 2−20723
Ge-GaAs n-n heterojunction, electron transport 2−5603
In_2S_3 polycrystalline and amorphous film, manufacture and appls. *(Russian)* 2−1212
n-InSb, Landau levels nonthermal broadening, transverse magnetoresist. and photomag. effect 2−5560
n-InSb, non-parabolic, ultrathin films, Einstein relation, size quantisation effect 2−9389

dekatrons
No entries

delay circuits
see also delay lines; phase shifters
car lights delay cct., using relay, bipolar transition 2−8053
complex waves shapes, observation triggered delay appl. *(Spanish)* 2−22309
differential PSK demodulators, low-loss delay filter 2−14288
ECL circuit for delay control 2−14072
electronic organs, special effects, delay and glide *(Spanish)* 2−6960
ICs used for long, repeatable delays 2−9179
programmable digital delay test circuit for testing computer interfaces 2−8256
thermal time-delay relay, operation and appl. *(German)* 2−5300
time-delay-and-integrate CCDs, sector scanning sonar appl. 2−26548

delay-differential systems
target core compactness in linear delay system 2−8408

delay elements (circuits) *see delay circuits*

delay lines
see also acoustic delay lines
C-CD tapped delay line, microprocessor controlled 2−5167
magnetostatic wave devices, delay lines and delay stabilised oscillator 2−15216
passive delay module for digital signals *(German)* 2−5165
SAW dispersive, TV ghost image canceller appl. *(Japanese)* 2−16597
SAW dispersive delay lines, temp. dependences 2−9847
self-gating AND as long-line receiver, Josephson current injection logic 2−9074
single-mode fibre recirculating delay lines, filter response 2−25499
tapped delay lines for wide-band adaptive antenna nulling 2−10592

delays
see also delay circuits; distributed parameter systems
commutation control during speed reversal of a current-fed asynchronous machine 2−23293
data source encoding, delay and overhead 2−15841
group time delay nonuniformity of RF baseband channel for transmission of accompanying sound channel on subcarrier 2−10520
IIR maximally flat group delay low-pass digital filters with flat passband 2−19806
integrated voice and data networks 2−2427
minicomputer network applied time-delay analysis 2−16175
new FFT-based digital frequency relay for load shedding 2−27574
nonlinear functional differential equations soln. 2−13748
packet-switched speech/data digital network, optimum packet length calc., w.r.t. delays *(French)* 2−26170
satellite channel circuit and packet integrated switching method 2−2750
sensor array time delay estimation for multipath propagation 2−26141
subscriber loop digital signalling and burst isochronous interface 2−2630

delta modulation
30 channel DM equipment, automatic final testing *(Hungarian)* 2−7007
DIR digital filters, study of performance 2−15898
FIR digital filter, implementation 2−24615
hybrid companding delta modulation digital coding system, digital simulation of performance, speech coding appl. 2−2266
PCM and delta modulation, comparison appls. *(German)* 2−2276
sigma-delta modulation, quantization noise struct. 2−2246
signal comparators with low hysteresis, stabilisation schemes *(Rumanian)* 2−24621
speech digitisation of telephone quality *(French)* 2−10781
speech synthesis, 'Digitalk' processor by National Semiconductor *(German)* 2−10655
speech synthesis ICs, methods based on (AD)PCM, LPC, delta modulation and parametric waveform coding *(Czech)* 2−21323
syllabic adaptation static theory *(Croatian)* 2−15825
three-level double integration adaptive delta modulator, construction method 2−21299
video DM bit stream, entropy encoding 2−10650
voiceband data signal encoding by delta modulation systems, computer simulation, comparison of methods 2−2551

demagnetisation
see also magnetisation
Alnico 5 with Nb additions, columnar, permanent mag., mag. props. 2−9865
DC electromagnets with simultaneous demagnetisation, overvoltage limiting cct. *(Czech)* 2−13936
DC motors, annular permanent magnet, demagnetising stability 2−18269
demagnetiser with controllable cycle and adjustable level 2−15103
$SmCo_5$ permanent magnets, deform. sintered, struct. and mag. props. 2−15212

demagnetisation, adiabatic *see magnetic cooling*

demand meters *see maximum-demand indicators*

Dember effect
solar cell, high-low emitter, in concentrated sunlight, analytical model 2−18485

demodulation
see also demodulators; modulation
40-DCPSK onboard demodulator implementation imperfections, performance degradations and meas. techniques 2−26187
band-limited PAM signals with excess bandwidth 2−2245
continuous phase chirp signals for binary data communication, coherent detection 2−2549
continuous phase chirp signals for binary data communication, noncoherent detection 2−2550
CPM signals, symbol error probability bounds for Viterbi detection 2−15890
delay-lock discriminator, characts. degradation due to transmission channel distortion *(Japanese)* 2−26080
frequency discriminator for accurate presetting of standard time intervals *(Bulgarian)* 2−5151
Gaussian filter for differential detection of MSK 2−837
holographic near-real-time displays using electronic recording 2−10384
Josephson heterodyne sub MM wave detector at high thermal background levels 2−24702
MOM diode, heterodyne anal. 2−9519
monomode fibre link, 1.51 μm, using injection locked semiconductor laser as repeater 2−26497
optical FSK heterodyne detect. expts. using semicond. laser transmitter and local oscillator 2−2783
optical heterodyne receiver, fundamental props. 2−11091
optimal synchronizer synthesis for additivity disturbed flow *(German)* 2−21264
partially coherent optical signal field detect., heterodyne system with coherent Gaussian local oscillator 2−21849
PLL demodulation of binary FM in a high noise environment 2−6395
programmable digital signal processors, voiceband modem implementation techniques 2−7066
regenerative satellite communications, transmit power control system 2−26188
synchronous detection by analogue and digital systems as classroom demonstration 2−15886
TDMA satellite communication system, clock recovery for on board regeneration 2−26186
tunnel junction, nonhysteretic, microwave direct and heterodyne detect. 2−9930
Viterbi decoding algorithm performance bounds 2−2284

demodulators
see also demodulation; discriminators; modems
16 QAM carrier recovery circuit for digital microwave radio *(Japanese)* 2−19598
autocorrelation digital demodulator of frequency-telegraphy signals, noise immunity 2−15810
band-limited satellite channels, convolutional code and signal waveform design 2−2764
characteristics and specifications for compensation method appl. *(German)* 2−14030
differential PSK demodulators, low-loss delay filter 2−14288
direct differentially coherent four-phase PSK demodulation, waveguide filter delay element 2−24461
dynamic properties of pulse-time square demodulators *(Russian)* 2−24454
FM, for direct conversion IC VHF receivers 2−16344

demodulators continued
full decision feedback phase-locked loop, microprocessor-based implementation 2—14035
GAP-01, review, appl. as sample-and-hold amplifier and synchronous demodulator 2—9039
Hitachi HA11225 limiter-demodulator ICs, FM receiver appls. 2—14031
phase comparison sinusoidal FSK demodulator simulation and development 2—6808
radiometer output signals amplification and demodulation 2—3158
regenerative satellites, clock recovery for DCPSK link in burst mode TDMA system 2—11071
satellite TV link quality improvement expts. with threshold extension demodulator *(French)* 2—21807
stereo or three-dimensional broadcasts, improved demultiplexer 2—16614
synchronous detector for demodulation in modern radio receivers 2—24459
synchronous integrator, S/N improvement in modulator-demodulator d.c. amplifier, using synchronous integrator 2—777
synchronous-phase, design for noise immunity 2—785
teletext demodulator for TV receivers 2—21933
Toko KB4441 limiter-demodulator ICs, FM receiver appls. 2—14031
TV Nyquist demodulators, VSB envelope detection limitations 2—26605

demography
airborne VHF radio noise measurements, correlation with metropolitan population census data 2—26012
familial data anal., linear-model approach 2—8480
geostochastic systems, limit theorems 2—289
kin number problem, Galton Watson process appl. 2—24089
population extinction model 2—226

demonstrations
includes student experiments
see also student laboratory apparatus
conducting tube shielding effects, experimental case study for students 2—15614
control course laboratory procedure, approach to microprocessor incorporation 2—13189
digital filter concept implementation for student case study using Intel 2920 single-chip signal processor 2—14221
experiments in amplifiers, filters, oscillators and generators, book 2—8167
SMPTE demonstrations of component-coded digital video, San Fransisco, 1981 2—16636
synchronous detection by analogue and digital systems as classroom demonstration 2—15886
three-phase wound rotor induction motor reconnected as single-phase regulator as physical realisation of theory 2—18225
visual demonstration of the electric field of a coil carrying a time-varying current 2—13186

dendrites
see also crystal growth
selective Pol deposition on dendrite fingers of pad-on-pad elec. connectors, electroless technique 2—1006
GaAs dendritic web, grown by liq. encapsulation, characterisation 2—575
Pd dendrites as finger-like structs. in pad-on-pad connectors, electroplating production process 2—1005
Si crystal growth, wide ribbon used for solar cell manufacture, crucible assembly 2—24276
Si dendritic web, wide ribbon growth, used for solar cell manufacture 2—24278
Si electrodeposition on graphite 2—5007

dendritic crystals *see dendrites*

densimeters *see densitometry*

densitometers *see densitometry*

densitometry
see also photometry
cryogenic liquids, portable calibration densimeter 2—11638
electrophotographic copies, optical density, carrier powder grain size influence *(German)* 2—21019
femoral bone densitometry, autonomous apparatus *(French)* 2—22545
fringe location device for interferograms 2—3290
microdensitometers, computer controlled, coordinate error investig. *(Russian)* 2—3036
optronic differential nitometer *(Russian)* 2—26976
two-phase flow meas., microprocessor-based instruments 2—16835

density, vapour *see density of gases*

density measurement
see also hydrometers
compressible flow density gradient meas., by noise deflectometry 2—11998
gas density automatic meas. system 2—7018
noncontacting radiometric type density or level monitoring instrum. 2—17144
on time techniques 2—7222
specific gas density, Pb-salt diode laser tunability utilisation 2—12081
thin film metallisation, relative density meas. using electron microprobe or SEM 2—14812
Te, at high temps. and pressures. 2—11637

density of gases
measurement by laser beam, Pb-salt diode laser tunability utilisation 2—12081

density of states, electron *see electronic density of states*

deperming *see demagnetisation*

desalination
100 kWel/500 kWth solar farm type power station in Kuwait, multipurpose project 2—7776
cogeneration plants in Saudi Arabia for electric power and desalinated water 2—4561
combined power and desalination facility, development of Ras Abu Fontas power and water station, Qatar 2—23146
conference, desalination and water reuse, Manama, State of Bahrain (1981) 2—23863
design of high efficiency single and dual purpose plants with gas turbines 2—28314
efficient production of electricity and water in cogeneration systems 2—28312
electrical equipment for desalination plant in Al-Jobail, Saudi Arabia 2—28316
engineering management of desalination plants in Saudi Arabia using fuzzy decision analysis 2—18916
hybrid solar powered desalination plant 2—12431
integrated wind and solar powered desalination facility 2—12433

desalination continued
optimal selection of major equipment in dual purpose plants by simulation of operating conditions 2—3809
seawater desalination system, stand-alone design, 8 kW ribbon photovoltaic array power system, drinking water provision 2—23850
solar energy water desalination in the United States and Saudi Arabia 2—12428
solar power, design 2—12432
solar power, development in the USA 2—12430
system design for a commercial solar Brayton cycle central receiver water desalination plant 2—12429

desalting *see desalination*

describing functions
see also control system analysis
dynamic models of tidal estuaries 2—23184
static power convertors, steady-state anal. 2—18355

design aids
see also design engineering; nomograms
bipolar VLSI, layout aids by automatic checking of cell library assembly *(French)* 2—14981
CMOS Si-gate uncommitted logic arrays, semi-custom design technique 2—9730
digital simulation, DC motor, thyristor control type with field weakening control *(Japanese)* 2—4216
electronic engineering workstation of the future 2—13263
fission reactor pressure vessels, pumps, valves, and piping, general design criteria given by ASME code, survey *(Croatian)* 2—12362
HV outdoor insulators, performance in contaminated environments 2—7569
logic CAD, testability assessment: its use in testable circuit design 2—791
LV automatic switches, arcing behaviour mathematical model, appl. *(Italian)* 2—12734
microwave oscillator frequency, stabilisation by subharmonic driving frequency, injection locking amplitude and phase equations *(Croatian)* 2—24431
PCB artwork generation, automated systems 2—19944
wind turbine generators, dynamic response prediction by generalised simulation model 2—18139
Fe separators with ferromagnetic shunts, analysis and mathematical model *(Russian)* 2—25914

design engineering
see also project engineering; systems engineering
1.2 GW coal-fired power plant design for daily cycling 2—18007
500 MW, two-pole, with water-cooled rotor winding, design and manuf. *(Russian)* 2—4037
800 MWe HTGR gas-turbine power plant design 2—17865
aircraft engine compatibility with other on-board systems *(French)* 2—12042
artistic designs, number theory appl. 2—19065
ATE design for productivity, w.r.t. maintainability and testability 2—22134
auxiliary power system design optimisation for large generating units 2—17709
avionics and test equipment design for testability 2—7374
avionics design w.r.t. testability 2—22690
boiler baghouse design and initial operating experience 2—18008
capacitance-graded bushings with insulation of oil-impregnated paper 2—7562
city centre high-load-density distribution systems evaluation 2—17713
consumer understanding of quality design engineering and control *(Danish)* 2—19009
DC-DC, convertor design, noise elimination 2—14265
domestic solar photovoltaic power systems 2—23420
earth station measurement techniques and lessons on earth station design 2—11057
electric connectors in system design, critical role 2—1003
electric furnace design for melting of clear borosilicate glass 2—18832
electric machine design, impact of electronics and microelectronics *(German)* 2—18145
electric motor drives for offshore oil and gas platforms, design problems 2—23661
electrical equipment for North Sea oil platforms, design problems 2—23836
electrical termination devices, systems approach for attaining design objectives 2—24771
electronic equipment design, EMC management, approach in Royal Navy 2—10526
electronic systems, EMC design, levels of sophistication 2—6343
electronics theory and design, discourses *(Spanish)* 2—19484
experiment planning methods in radio components development, review 2—4605
factory distribution systems, design for flexibility 2—22900
fluorescent lamp performance and design, ambient temp. effects 2—13051
high efficiency induction machines of 1980s 2—23297
high efficiency induction motors of 1980s 2—23298
IC custom design, Plessey developments 2—1422
in-circuit testing, testability requirements 2—4680
instruments, mechanical design, elasticity methods 2—3034
instruments, mechanical design—realisation of prototypes 2—16775
large capacity, design and manufacturing techniques, reliability testing, for use in thermal and nuclear power stations 2—27973
line drawings of polyhedra rel. to plane skeletal struct. 2—8250
low power linear induction motors, design recommendations 2—4238
LSI CAD, Caltech's Silicon Structures Project 2—9719
manufacturing organisation with limited manpower, design and process planning *(Swedish)* 2—8251
mechanical design of instruments, mathematical elements 2—6988
MHD generator with steam bottoming plant 2—18610
microprocessor based products, development cycle bottleneck analysis 2—19701
microprocessor-based product design, self-training course 2—23922
military equipment, reliability challenges in design 2—8247
mission profile, tradeoffs of reliability, availability, and maintainability 2—8245
natural-circulation steam generator performance and design 2—18011
optical fibre links, economics and key trade-offs, airborne platform example 2—15336
OTS propagation results, impact on ECS system 2—10504
overhead line tornado-induced outage prediction method 2—17677
overlooking obvious errors in design or production testing 2—8248

design engineering continued
packaging of electronic products plastics appl. 2—4653
PCB, designing to testability, optimisation of interface with ATE 2—1016
photovoltaic medical refrigerator, design requirements critique 2—23541
power overhead lines conductor design *(German)* 2—3764
power plant design phase implementation of availability engineering 2—18021
power stations, management for adequate QC maintenance *(German)* 2—27601
power transmission towers, flange joints 2—7568
printed circuits, conference, London, England (June 1978) 2—13160
products liability, safety in design 2—37
quality assurance in engineering design 2—4670
radioactive waste systems design criteria requiring modification 2—17875
reliability, control techniques and design phase possibilities *(Dutch)* 2—13311
reliability, unifying design approach 2—4634
reliability analysis techniques in power plant design 2—3820
reliability design evaluation of electrical and electronic equipment 2—144
reliable system design and tests, modelling techniques 2—8246
satellite, TV receive only and digital data terminals, design and manufacturing for high availability 2—12054
spacecraft reliability, lessons from NASA 2—8313
statistic optimisation of production yield for engineering systems *(Czech)* 2—23974
steam power plant surface condensers, EPRI funded research projects in 1981 2—27744
super-low-pressure air separation plant design, flow chart and theoretical anal. *(Chinese)* 2—28317
system complexity, diagnostic behaviour and repair time, predictive theory 2—18962
telemetry system design parameters for threshold performance 2—21494
testability assessment of a system design 2—23972
testability concept implementation 2—19033
testability economic assessment 2—19032
testability of military electronic systems, Navy's course for engineers and managers 2—18911
thermoplastics widen equipment design options in electrical industry 2—13862
vacuum interrupters, design feasibility study 2—23397
wet ash disposal facility design for environmental acceptability and structural integrity 2—18022
NH_3 turbine design for OTEC plants 2—7781
SF_6 insulated substation environment and protection scheme 2—18397
Ti tubed condensers with welded tubeplate joints 2—23122

desk calculators *see calculating apparatus; electronic calculators*

desk-top computers *see minicomputers*

desorption
thermionic cathode activation in ultrahigh vacuum AES-residual gas analysis 2—1095
thermionic cathodes turn-on after shelf-storage, work function and gas desorption studies 2—1092
InSb, MBE, RHEED study of free Sb surface lifetime on InSb 2—19436
LaB_6 (100) single cryst. surface, O_2 interaction and oxides thermal desorption 2—1097
Sb, MBE, RHEED study of free Sb surface lifetime on InSb 2—19436
Si (111), nitridation by N atoms, LEED, AES, desorption, and mass spectra meas. 2—9583

detection (demodulation) *see demodulation*

detector circuits
see also demodulation; demodulators
diode AM detectors, conditions for no nonlinear distortion 2—24460
DP8400 detector/corrector IC, charcts. *(French)* 2—9175
hysteresis detection cct. 2—11605
machine jam detection circuit 2—5314
pulse dual edge detector 2—14195
semiconductor device obs. with scanning electron microscope 2—5712
super-regenerative detector cct. using op. amp., elimination of RFI, compensation for component ageing 2—24453
threshold detector for OCR system 2—19601
wideband synchronous detector of sinusoidal quadrature components 2—11565

detectors
see also electric sensing devices; hydrophones; infrared detectors; microwave detectors; nonelectric sensing devices; particle detectors; photodetectors; ultraviolet detectors
automatic light switch that detects people and refers to natural light levels 2—28064
earthquake detection system for lifts that identifies initial tremor 2—12993
electroacoustic detector for fossil-fuel-fired boiler tube damage *(German)* 2—27681
fine detector, circuit 2—14237
industrial appls. in humidity, gas velocity, level, pressure, acceleration, motion, and position measurement *(German)* 2—3294
magnetic vibration detector for inspecting vacuum in cans packed in cardboard boxes *(Japanese)* 2—16933
materials identification by dielectric and metal detection/ 2—3250
modern electricity/electronics, book 2—4573
optical fibre, light detection without splice 2—25532
perimeter intrusion alarm systems, USA testing standards 2—16970
sensor arrangement for a manipulator gripper 2—11440
vibration detection meter using two laser beams for differential meas. *(French)* 2—17130
vibration measurement devices, anal. of errors *(Russian)* 2—22247
volumetric terrain following sensor, 915 MHz, coaxial transmission line, outdoor perimeter surveillance appl. 2—13254
O sensor, using non-metallic electrodes *(Chinese)* 2—22428
Pt filament in hydrocarbon flow, thermionic emission at low press. 2—5504

determinants
see also matrix algebra
ARMA (P,Q) covariance determinants for various sample sizes, numerical behaviour 2—8517
general tensor 2—161
Szego limit theorem for matrix factorisation 2—19274
two-person game, fictitious play and determinants method combination 2—216

detonation spraying *see powder spraying*

developers (photographic) *see photographic materials*

development management *see research and development management*

diagnosis, patient *see patient diagnosis*

diagnostics, particle beam *see particle beam diagnostics*

diagnostics, plasma *see plasma diagnostics*

diagnostics, program *see program diagnostics*

diagrams
see also Bode diagrams; circuit diagrams; Feynman diagrams; flowcharting; nomograms; Nyquist diagrams; phase diagrams
connection diagrams in automation technology *(German)* 2—4567

dialogue programming *see interactive programming*

diamagnetic resonance *see cyclotron resonance*

diamagnetism
see also cyclotron resonance
mineral separation and diamag. particle capture 2—15665

diameter measurement
calibrating diamond draw-plate, by laser diffractometric method 2—17127
glass particle-detector track diameter and area meas. 2—27049
laser beam spot radius meas. by scanning knifeedte *(Chinese)* 2—15535
optical fibre diameter variation display technique 2—20648
optical fibre preform core dia. meas. by fluoresc. 2—20620
optical fibres, nondestructive meas. of core radius, numerical aperture and cutoff wavelength 2—15294
otical fibre diameter; regulation and control by automatic system, BIS-2 meter 2—11349

diamond
conference, Oxford, England (April 1981) 2—13150
radiation detector, charcts. and sensitivity to ^{60}Co radiation 2—17258
semiconducting, polycryst. synthetic, negative N-type resist. 2—9415

diaphragms
see also valves
E-plane step-diaphragm junction discontinuities, singular integral eqn. soln. 2—26016
Be-Al composite diaphragm for dome-type loudspeaker, vacuum deposition production method *(Japanese)* 2—16745

dichroism
see also pleochroism
azo dyes, use in guest-host liq. cryst. displays 2—7166
liquid crystal display devices using guest-host interaction, light stability 2—3232
polyacetylene epitaxial layers, optical and elec. anisotropy 2—25042

dictionaries *see glossaries*

dielectric amplifiers
No entries

dielectric breakdown *see electric breakdown*

dielectric constant *see permittivity*

dielectric depolarisation
see also dielectric polarisation
No entries

dielectric devices
see also capacitors; dielectric amplifiers; ferroelectric devices; insulators; piezoelectric devices; pyroelectric devices; space-charge limited devices
quarter-wave long composite ferrite/dielectric resonator for use in waveguide circulators 2—926
rectangular dielectric resonator design, for high- filtering functions in microstrip circuits using TI-59 calculator 2—5343
ring resonator with high Q-factor 2—9218
sectional dielectric resonator, with thermal compensation, approx. analytical soln. 2—19852
shielded dielectric ring- and disc resonators, resonant freqs. and fields *(German)* 2—19845
KCl dielectric charged-particle detector efficiency 2—27051

dielectric function
EM wave propagation in gyrotropic media near dipole transition freq. 2—21072
narrow and wide gap materials, optical and electronic props., model based studies 2—14604
polymer coatings, plasma deposited, colored, metal codeposition technique 2—25474
semiconductor, microstructural information from opt. props. in near IR to near UV range 2—14606
semiconductor, optical nonlinearity and bistability due to biexciton form. 2—25840
InSb dielectric response function for sub-MM radiation interacting with quasi-free carrier gas, high mag. field 2—20086
NaCl, focused laser beam deform., multiphoton polaron and avalanche optical breakdown models 2—6250

dielectric heaters *see dielectric heating*

dielectric heating
microwaves industrial appl. 2—18761
process heating appls. 2—4469

dielectric hysteresis
No entries

dielectric-loaded antennas
dielectric-lined conical horn antennas with low cross polarization, aperture efficiency 2—26054
helix antenna with dielec. core, polarization props. 2—26056
horn image-guide leaky-wave antenna 2—26038
impedance characteristics of polymer circular and rectangular antennas operated in X-band 2—21225
rod antenna, high efficiency feed for reflector antennas 2—15773
rod leaky-wave antenna for MM-wave appls., freq. scannable, sidelobe levels and polarizations 2—2216

dielectric-loaded waveguides
absorbing systems with solid dielectrices 2—14280
coupled microstrip transmission lines, loaded with homogeneous dielectric, phase and energy characteristics 2—10542
EM filtering by quasiperiodic medium 2—21187
gyrotron, dielectric loaded, wide-band, mixed slow-wave operation 2—24862
gyrotron amplifier in waveguide with inner dielectric rod, theory 2—14578
laminated dielectric-loaded waveguides of complex transverse cross-section, dispersion relations for EM waves *(Russian)* 2—26022
layered gyrotropic waveguiding structures, nonreciprocal properties 2—21181

dielectric-loaded waveguides continued
metal clad dielec. film waveguide with low refractive index buffer layer, guided mode-surface plasma mode resonant coupling 2−10012
metal-dielectric stepped transformer for dielectric-filled waveguide, anal. of characts. 2−14293
mm range waveguide manufacturing methods *(German)* 2−14278
open waveguides with anisotropic dielectrics, EM wave propag. 2−21180
periodic ferrite slab waveguides, anal. using perturbation method 2−2175
permittivity and loss tangent of dielectrics, for waveguide microwave methods 2−25367
piezoelectric waveguides, metallized, acoustoelectric effect 2−20477
rectangular waveguide, loaded with semiconducting post, microwave elec. field distrib., integral equation method 2−10541
relativistic annular electron beam propag., Cherenkov radiation 2−14582
tunable low reflection sliding load termination in WG11A waveguide 2−24654

dielectric loss angle *see dielectric losses*

dielectric loss-angle measurement *see dielectric loss measurement*

dielectric loss measurement
see also dielectric losses
aC power-loss measurements in solid dielectric materials at industrial frequency 2−7189
accurate meas. using coaxial cable 2−11587
apparent negative value, causes 2−26939
HV, microcomputer-based system 2−22361
liquid conductance at high frequencies meas., using non-contact system 2−11586
nondestructive, AC current-testing method and measurement equipment 2−7894
rotating electrical machine HV windings synthetic-resin insulation *(German)* 2−27912
unifying admittance calc. 2−7195

dielectric losses
see also loss angle
biogenic steroids at microwave frequencies 2−11969
hopping cond. in disordered system, freq. depend., dielec. loss-angle tangent study 2−20057
mica crystals, structural props. under dielec. load 2−1466
mica flake integrated sheet/epoxy laminates, mech. and elec. props. 2−13860
microwave circulators, anal. of losses *(Rumanian)* 2−14284
permittivity and loss tangent of dielectrics, for waveguide microwave methods 2−25367
polysulphone circuitry for HF appl., microwave dielectric props., multilayer prod. 2−19933
quartz crystals, structural props. under dielec. load 2−1466
submarine cable insulation, loss tangent analysis for radiation-polymerised polyethylenes at 500 MHz, 20°C *(Japanese)* 2−16332
thin film capacitor, AC losses at low temp. 2−14315
transformer oils, influence of SF_6 on elec. behaviour and gassing props. 2−7901
Al-SnO_2-Al, thin film capacitors, dielectric loss and constant 2−14314
Al_2O_3 crystals, structural props. under dielec. load 2−1466
$Ba_xSr_{1-x}TiO_3$ films, microwave dielec. props., broad phase transition 2−25381
CaO-Al_2O_3-SiO_2, sintered ceramic, dielec. props. 2−5826
KH_2PO_4, dielectric props., conduct., multilayer capacitor, electrooptic study 2−9755
Mo-chalcogenide glass-Mo struct., dielec. props. study 2−1256
Ta-N and Ta-Al-N sputtered films, fabrication and elec. props., R-C component appl. 2−24829
Ta_2O_5, amorphous, hopping cond. freq. depend., dielec. loss-angle tangent study 2−20057

dielectric materials
see also antiferroelectric materials; dielectric thin films; electrets; ferroelectric materials; glass; insulating materials; insulation; piezoelectric materials
castor oil impregnated all-paper capacitors, dielec. behaviour 2−5382
ceramic dielectric for capacitor 2−20430
electrical ageing of dielectrics, math. model 2−9767
layered radome for direction-finding system, internal field computer calculation 2−2227
liquids, conduction current and DC breakdown voltage *(Korean)* 2−9768
polysulphone circuitry for HF appl., microwave dielectric props., multilayer prod. 2−19933
voltage degradation model, from accelerated life tests 2−25371
H_2O, pure, HV impulse capacitors dielec., selecting optimum shapes for insulators *(Russian)* 2−23654
$MgTi_2O_5$, microwave dielectrics appl. *(Polish)* 2−13857

dielectric measurement
see also dielectric loss measurement; permittivity measurement
air gap electric strength in the presence of oscillatory voltage impulses *(Russian)* 2−12279
castor oil impregnated all-paper capacitors, dielec. behaviour 2−5382
charge distrib. meas., high resolution laser pulse method 2−26941
condition of material, diagnostic method 2−7188
conductivity profile reconstruction in time domain, optimisation 2−22355
cryostat cell, for solid dielectrics meas. 2−7193
dielectric breakdown detection, high voltage test system *(French)* 2−1482
diffraction by dielectric wedge meas. at 9 GHz 2−11572
ethylene propylene insulated underground cables, breakdown voltage prediction from dielectric meas. 2−20441
ethylene propylene insulated underground cables, breakdown voltage prediction from dielectric meas. 2−20442
ferroelectric crystal, dielec. susceptiblity, polarisation and cond., meas. method 2−17098
materials identification by dielectric and metal detection/ 2−3250
microwave interferometric for dielectric slabs effective thickness meas. 2−17095
MIS structures nondestructive testing, low-current source 2−3249
MM-wave radome performance, materials implications 2−22359
piezoelectric AA for electroacoustic transducers *(German)* 2−17104
plastics anomalous breakdown, immersed in transformer oil, under switching surge voltages 2−22357
polymer electret film, polarization distrib. determ. using periodic heating 2−22354
self-oscillating meters with Λ-diodes, design 2−26827
solid-state computer-controlled system for swept-freq. meas. of dielectric props. at microwave frequencies 2−22064
solids, automatic spectroscopy in L,F range 2−3245

dielectric measurement continued
spark breakdown potential meas. in gas mixtures, microprocessor controlled method *(German)* 2−3248
transformer and reactor testing, partial discharge and RFI simultaneous meas. 2−11611

dielectric phenomena
see also dielectric hysteresis; dielectric losses; dielectric properties of substances; dielectric relaxation; dielectric resonance; electric strength; ferroelectricity; photodielectric effect; piezoelectricity
insulation, conf., Whitehaven, PA, USA (Oct. 1981) 2−4576
symmetrical wave excitation, using two linked logarithmic spirals on dielectric substrate *(Russian)* 2−25935
thermal noise as dielec. diagnostic method 2−7188

dielectric polarisation
see also Barkhausen effect; dielectric depolarisation
benzene, cond. currents and space charge formation in dielec. liquids 2−5857
ceramics, counterpoled, polarisation and elastic vibr. distribs. laser probe meas. 2−20450
ferroelectric, modulation spectroscopy characteris., review 2−9397
ferroelectric crystal, dielec. susceptiblity, polarisation and cond., meas. method 2−17098
Nylon 11 films, γ-form, piezoelectricity X-ray studies 2−9818
polymer electret film, polarization distrib. determ. using periodic heating 2−22354
polyvinylidene fluoride, nature of pyroelectricity at low temps. 2−5831
semiconductor, optical nonlinearity and bistability due to biexciton form. 2−25840
TGS powder-silicone rubber composite, ferroelectricity 2−20451
trissarcosine calcium chloride, switching parameters, temp., elec. field and press. depend. 2−15059
As_2Se_3, glassy, HF dielec. props. 2−1202
Ge:Li film, amorphous, electret effect 2−9849

dielectric power factor *see power factor*

dielectric properties of gases
hexafluoropropylene, dielec. strength under breakdown and prebreakdown conditions 2−15049
ternary gas mixtures for HV industrial insulation 2−15052
vapour-mist dielectrics, cooling and insulating media for vapour-cooled power transformers 2−9763

dielectric properties of liquids and solutions
benzene, cond. currents and space charge formation in dielec. liquids 2−5857
dielectrophoretic levitation, cusped electrostatic fields 2−2095
dielectrophoretic levitation, electrode geometries 2−7192
electrically stressed liquid dielectrics, bulk electroconvection 2−9783
electroviscous effect in dielectric liquids 2−9782
liquid crystal guest-host displays, dielec., electro-optical, and phase change props. 2−7163
liquid crystal materials for field-effect electro-optical devices 2−11554
liquid dielectric subjected to AC elec. field, behaviour of gaseous bubble 2−9785
liquid-solid dielectric interfaces, effect of duct configuration on oil activity 2−9776
metal-dielectric liquid interfaces, charge transfer 2−9780
microemulsions and lyotropic liquid crystalline mesophase, dielectric props. 2−9758
microwave bridge method for meas. complex permittivity of liquids 2−17096
microwave radiation of water surface, dielectric property variations influence 2−26948
mineral oil under external bubble injection, electrically induced pressure 2−9784
permittivity microwave reflection meas. in waveguide T-junction 2−11589
permittivity of liquids, electrode polarisation effect on meas. error 2−17099
plane layer of dielectric liquid, overstable electrothermal instabilities 2−9759
solid-liquid interfaces, effect of particles on electric-field induced phenomena 2−9777
stressed dielectric liquids, cavitation dynamics 2−9786
He, liquid, pulsed electric breakdown delay time 2−20445

dielectric properties of solids
charge storage and transport in dielectrics, corona method 2−5830
crystal growth techniques in search for new materials 2−19399
electric waves, transverse, propagation in dielec. doubly periodic struct. 2−2115
ferroelectric thin films, UHF dielectric props. 2−20458
filled epoxy resin, dielectric anal. appl. 2−19460
insulators for compressed gas insulated transmission lines 2−9802
Kapton, irradiated dielectrics, material parameters effect on charging characts. 2−20432
polyolefins, electrically stressed, kinetics of degradation 2−9765
polypropylene isotactic films, thermal ageing under gaseous atmosphere 2−9760
PTFE in liquid N_2 in strong electric field, durability study 2−25384
resorption current, determ. from initial space charge distrib. 2−15041
space charge distribution, determ. from resorption current 2−15038
streamers of solid dielectrics, theoretical props., model 2−9800
Teflon, irradiated dielectrics, material parameters effect on charging characts. 2−20432
thermal-dielectric quotient for characterizing dielectric heat conductors 2−9753
trissarcosine calcium chloride, switching parameters, temp., elec. field and press. depend. 2−15059
As-Ge-Te glasses, pure and doped, elec. and dielec. props. 2−9461
As_2Se_3, glassy, HF dielec. props. 2−1202
$Bi_4Ti_3O_{12}$ ceramics, grain oriented, fabrication and elec. props. 2−13855
CaO-Al_2O_3-SiO_2, sintered ceramic, dielec. props. 2−5826
GaAs, anodic oxide film, comp. and dielec. strength, SIMS study 2−25160
GaN film, RF reactively sputtered, dielec. props. 2−9757
Ge, chemical etching and cleaning procedures 2−1300
Ge, chemical etching and cleaning procedures 2−5691
III-V semiconductors, chemical etching and cleaning procedures 2−1300
III-V semiconductors, chemical etching and cleaning procedures 2−5691
InSb, anodic oxide film, comp. and dielec. strength, SIMS study 2−25160
KH_2PO_4, dielectric props., conduct., multilayer capacitor, electrooptic study 2−9755

dielectric properties of solids continued
$Mn_{0.5}Zn_{0.5}Fe_2O_4$, polycrystalline, permittivity, conductivity and dielectric relax. 2−5573
Si, chemical etching and cleaning procedures 2−1300
Si, chemical etching and cleaning procedures 2−5691
SiO_2, fused, irradiated dielectrics, material parameters effect on charging characts. 2−20432
YIG, electrostriction meas. 2−7190

dielectric properties of substances
see also antiferroelectricity; dielectric depolarisation; dielectric function; dielectric materials; dielectric measurement; dielectric phenomena; dielectric polarisation; dielectric properties of gases; dielectric properties of liquids and solutions; dielectric properties of solids; electric strength; optical susceptibility; permittivity; piezoelectricity; pyroelectricity
No entries

dielectric relaxation
see also dielectric resonance
paradox in dielec. discharge current form., speculations 2−5829
polymer, water tree growth rate, freq. dependence rel. to dielec. relaxation in host 2−9794
polyvinylidene fluoride, nature of pyroelectricity at low temps. 2−5831
propylene carbonate, DC conductivity, permittivity and dielec. relaxation of supercooled liquid, 5 mHz to 5 MHz 2−1480
PTFE-polyhexafluoropropylene electret, charge relaxation, surface phenomena role 2−9756
semiconductor diode struct., permittivity temp. depend. influence on current-voltage characts. 2−20220
thin film dielectric structures and dielectrics with relaxation polarisation, dielectric relaxation process anal. from experimental results *(Czech)* 2−5835
transient-state model accounting for lag of cooperative effect, dielec. susceptibility effects 2−1481
As-Ge-Te glasses, pure and doped, elec. and dielec. props. 2−9461
$LiNbO_3$ Bragg modulator, relax. processes 2−1745
$Mn_{0.5}Zn_{0.5}Fe_2O_4$, polycrystalline, permittivity, conductivity and dielectric relax. 2−5573

dielectric resonance
see also dielectric relaxation
microwave dielectrically stabilized oscillator, technology, characts. 2−5138
rectangular dielectric resonator design, for high- filtering functions in microstrip circuits using TI-59 calculator 2−5343
shielded dielectric ring- and disc resonators, resonant freqs. and fields *(German)* 2−19845
$PbTiO_3$-$PbZrO_3$-$PbNb_{2/3}Mn_{2/3}O_3$-$PbW_{1/2}Mn_{1/2}O_3$ systems, temp. stability of reson. freq., comp. depend. 2−25378

dielectric strength *see electric strength*

dielectric susceptibility *see optical susceptibility*

dielectric thin films
see also ferroelectric thin films; insulating thin films; optical films; piezoelectric thin films
anodic oxide film, comp. and dielec. strength, SIMS study 2−25160
CVD, microelectronics processing appls. 2−13845
deposition technologies, for monolithic ICs 2−24323
ion implantation in microelectronics, bibliography 2−23878
Mylar electrets, high-resolution probing of space-charge densities using electron beam 2−5848
perfluoroalcoxy film, nonmetallized electret, charge storage 2−20452
permittivity meas., using tuned window in microwave range 2−11590
permittivity microwave meas. by input impedance method 2−11591
polymer electret film, polarization distrib. determ. using periodic heating 2−22354
polypropylene isotactic films, thermal ageing under gaseous atmosphere 2−9760
PTFE-polyhexafluoropropylene electret, charge relaxation, surface phenomena role 2−9756
SCL currents with Coulomb trapping centres 2−1467
styrene thin films, plasma polymerized, electric breakdown studies rel. to self-healing 2−9790
Teflon in MIM structure, charge storage and transport in electron-irradiated and corona-charged dielectrics 2−20154
thin film dielectric structures and dielectrics with relaxation polarisation, dielectric relaxation process anal. from experimental results *(Czech)* 2−5835
AlN covered p-CdTe, annealing effects *(Japanese)* 2−20147
Al_2O_3 covered p-CdTe, annealing effects *(Japanese)* 2−20147
Al_2O_3 sputtered films, lift-off pattern generation 2−24823
BaF_2 film, MBE grown dielectric 2−13826
$Ba_xSr_{1-x}TiO_3$ films, microwave dielec. props., broad phase transition 2−25381
CaF_2 film, MBE grown dielectric 2−13826
GaAs, anodic oxide film, comp. and dielec. strength, SIMS study 2−25160
GaN film, RF reactively sputtered, dielec. props. 2−9757
Ge_3N_4-n-GaAs MIS devices, interface characts. determ. 2−14883
MgO ageing characts. obs., for AC plasma display panels 2−24891
Mo-chalcogenide glass-Mo struct., dielec. props. study 2−1256
Si-rare earth oxide film MOS struct., negative resist., switching and signal generation 2−25094
Si_3N_4 covered p-CdTe, annealing effects *(Japanese)* 2−20147
SiO_2 covered p-CdTe, annealing effects *(Japanese)* 2−20147

dielectric triodes *see space-charge limited devices*

dielectric waveguides
see also optical waveguides
anisotropic rectangular waveguides, guided modes anal. 2−21189
antennas, effect of placing metal walls in close proximity 2−2209
aperture coupling between dielectric image lines for designing directional couplers 2−920
arbitrary cross-sectional shape, extended boundary condition method for guided modes anal. 2−19837
circularly polarized linear array antenna using a dielectric image line 2−2210
composite dielectric waveguides with two elliptic-cylinder boundaries/ 2−913
dielectric slab waveguide, with non-uniform deterministic index profile, field distrib. using Fredholm's perturbation method 2−15752
electro-optic devices in dielectric waveguide, review 2−24648
ferrite-dielectric layer waveguide periodically loaded with metal strips, anal. 2−26028

dielectric waveguides continued
ferrite-dielectric surface-wave waveguide, spectral characteristics of a Faraday rotator *(Russian)* 2−24647
film gas-dielectric waveguide 2−14279
flat, semi-infinite dielec. waveguide, end diffr. of surface EM wave 2−21184
flat dielectric waveguide with corrugated boundary, cross sectional eqns. soln. 2−21183
flexible dielectric waveguide for MM application using GORE-TEX expanded PTFE dielectric 2−19842
gas-confined, anomalous low-loss transmission MM and sub-MM-wavelengths 2−912
grounded dielectric slab, eqns. for nearfield of horizontal electric dipole 2−21174
gyromagnetic-dielectric waveguide, first order Bragg interactions 2−6356
microstrip lines comprising layered dielectric media, dispersion 2−906
MM-wave dielectric grating antennas, finite width waveguides, radiation props. 2−26057
MM-wave dielectric image line detector-circuit employing etched slot structure 2−939
MM-wave passive components and six-port network analyser in dielectric waveguide 2−924
MM-wave rectangular dielectric waveguides, EM modes, computer anal. 2−21191
MM-wave transmission lines, comparative study 2−19841
nonradiative, for MM-wave ICs 2−9204
nonradiative dielectric waveguide circuit components 2−19856
open dielectric waveguides for integrated optics and MM-wave ICs, guidance and leakage props. 2−907
open dielectric waveguides for integrated optics and MM-wave ICs, guidance and leakage props. 2−908
periodic branching filter for MIC's, appl. of rectangular dielectric waveguides 2−925
planar, rectangular cross-section, coupling characts. 2−910
planar, scattering of surface waves on transverse discontinuities 2−21178
planar dielectric waveguide step discontinuities, scatt. problem for TE and TM modes, variable-bound approach 2−10546
rectangular, single and coupled, anal. 2−909
single-mode curved, rectangular cross section, field profile prediction 2−24642
slab, bounded by parallel plates, finite element anal. of discontinuities 2−26015
strip, in short-wavelength part of mm-range, characts. expt. exam. 2−914
waveguide-dielectric resonator, amplitude-freq. charact. by method of multiple reflections *(Russian)* 2−24664
waveguide-dielectric resonator with complex boundaries separating dielectric medium, wave scattering at interface *(Russian)* 2−24663
Y-junction circulator, 35 GHz band, $MgTiO_3$ dielec., Ni-Zn ferrite gyromag. function material 2−19857
InP MM-wave dielectric image line self-mixing Gunn oscillator 2−940

dielectrics *see dielectric materials*

diesel-electric locomotives
3-phase AC for Norwegian and Danish State Railways, technical details *(German)* 2−18671
class Ee 6/6 II, designed using convertor technique for Swiss Federal Railways *(German)* 2−18672
East German railway diesel fuel economies from annual extension of electrification *(German)* 2−23679
electric equipment of traction electric drives for new diesel locomotives, design 2−4426
electrical circuit of the ChMe 3 diesel locomotive, Soviet Union *(Russian)* 2−28168
electrical circuitry of TGM4(A) and TGM6A diesel locomotives, Soviet Union *(Russian)* 2−28169
electrical scheme of diesel-electric locomotives TGM4(A) and TGM6A, Soviet Union *(Russian)* 2−28170
invertor driven induction motor, equivalent circuit and performance calc. 2−7849
main generator flashover anal. 2−4432
MaK, DE 501, three-phase AC power transmission *(German)* 2−23709
running performance simulation using mathematical models *(German)* 2−13010
twin-engine locomotives for shunting use in New Zealand Govt. Railways yards 2−18687

diesel-electric power stations
BC 250 diesel generating set manufactured by CKD Corporation of Czechoslovakia 2−12513
BC 340 diesel generating set manufactured by CKD Corporation of Czechoslovakia 2−12513
combined power and process heat for brewery in Ireland 2−23152
computer aided performance monitoring and diagnostic system *(Japanese)* 2−18045
diesel engine mixed power stations and associated recuperation systems *(French)* 2−23154
Harelbeke, heavy fuel operation experience 2−23151
multiple heat and power systems, energy effectiveness *(German)* 2−27707
reliable starter batteries for diesel-driven plant 2−12514
small-scale, overall planning problems 2−23150
standby systems for nuclear power plants, availability study by digital simulation 2−27774
total energy district heating and cooling in Reggio Emilia, Italy 2−23149

diesel engines *see internal combustion engines*

diesel power stations *see diesel-electric power stations*

difference amplifiers *see differential amplifiers*

difference equations
chaotic difference equations in R^n 2−8620
continued fractions, generalised, stable evaluation 2−8716
Duffing's eqn., exact soln. of difference approx. 2−13766
electric machines magnetic field and transients calc., conf. at Athens, Greece (1980) 2−23240
finite difference method convergence 2−19284
gamma function method 2−13763
general linear difference equation solutions 2−4963
generalised extended to the limit sparse factorisation techniques 2−8737
grid stretching in finite difference calculations 2−19376
impulse response calculation, for certain bandlimited systems 2−8936
Lax equivalence theorem for linear, inhomogeneous equations in L^2 spaces 2−24235
linear difference equations with constant coefficients, convergence of solutions *(German)* 2−4967

difference equations continued
linear induction motor with U-shape secondary magnetic field calc. 2−12649
linear inductor motor surface impedance model 2−4146
linear synchronous motor, with iron poles, computation of saturated inductor *(Russian)* 2−18277
linear synchronous motor magnetic field calc. finite difference model 2−12619
logistic, periodic soln. eqns. 2−13767
multi-grid method for the diffusion equation with strongly discontinuous coefficients 2−19339
no-load voltage of a homopolar inductor alternator 2−4236
numerical soln. of Navier Stokes equations *(Russian)* 2−501
on the regularity of difference schemes 2−8722
on the solvability/ of ordinary differential equations/ with only partially continuous right-hand-side/ by difference methods 2−497
periodic marketing ring, equilibrium and stability 2−8407
Poisson equation solution 2−13772
positive difference solutions, convergence *(Chinese)* 2−13725
PWM discrete stabilised power supply in elec. motor car, dynamic behaviour anal. *(Russian)* 2−4430
scalar potential method for the calculation of the magnetic field in the automotive alternator 2−4106
singular perturbation problem differential equation solution 2−518
superconducting alternator magnetic fields calc. 2−4076
synchronous machine conducting plate, EM field partial differential equations 2−19364
test equations property for finite differences or finite element methods 2−8725
three-phase AC power systems, integration of space-phasor components with factorized eigenvalues *(German)* 2−12212
transient analysis of solar air heaters using a finite difference technique 2−19343
variable structure circuits anal. algorithm using difference equation-structural numbers method and discrete and continuous Laplace transformations *(Russian)* 2−28002
wave propagation differential equations solution 2−13770

differential amplifiers
AF spectrum multi-band graphic equaliser 2−26670
current-feedback bipolar transistor amplifiers, harmonic and intermodulation distortion 2−5125
drive circuit, universal integrated, for LED display *(German)* 2−7156
dynamic differential sense amplifier register for memory appls. 2−24414
high-power AF amplifier, 125 W, use of input differential cct. with RC feedback to improve linearity/distortion *(Spanish)* 2−11303
instrumentation amplifier, LM163 2−8991
instrumentation amplifiers, LM363 family from National Semiconductor 2−8990
integrated instrumentation amplifier appls. *(German)* 2−5115
push-pull exponential LF instrumentation amplifier with logarithmic gain variation *(German)* 2−8995
push-pull switched low-freq. amplifiers for PWM signals, losses 2−13993
SAW FM-oscillator design using 3-IDT delay line and doubly balanced differential amplifier, negative feedback 2−19590
wideband, direct-coupled 2−13987
GaAS unity-gain differential amplifier, test vehicle for IC technology 2−19578

differential calculus *see differentiation*

differential equations
see also boundary-value problems; difference equations; Green's function methods; integro-differential equations; linear differential equations; Navier-Stokes equations; nonlinear differential equations; partial differential equations
abstract Cauchy problems 2−13389
Adams-type formulae for second order ordinary differential equations, stability 2−24256
age structured population optimal harvesting model 2−13779
algebraically stable and implementable Runge-Kutta methods of high order 2−19369
approximation schemes for nonlinear neutral optimal control systems 2−13760
asymptotic behavior of solutions of a conservation law without convexity conditions 2−4958
B-convergence, concept 2−8757
bifurcation sets in nonlinear ccts., global props. 2−19520
bimetallic disc stress anal. model 2−8727
bivariate cumulative probabilities evaluation using moments to fourth order 2−19127
boundary value problems, solution 2−24261
boundary value problems, solution using nonlinear spectral theory 2−8748
canards, input-output relation *(French)* 2−19084
cellular surfaces, diffusion model for patch formation 2−8403
central configurations of the restricted problem in E^4 2−511
chopper driven DC motor back EMF calc. model 2−4224
combinatorial identities 2−527
combinatorial matrix Riccati equations and q-analogue 2−8602
completely stiff homogeneous differential eqn. systems 2−13765
composite multiderivative linear multistep methods, exponential fitting 2−8761
compressible flow patterns, streamline coordinates use in numerical soln. 2−8774
conductor, two-layer, conductivity model *(Russian)* 2−22916
constant-moment cam design, establishment and solution of a differential equation *(Chinese)* 2−13717
continuation method for nonlinear regression 2−19306
critical frequencies of canonical systems, invariant relative to the circulation of time, with periodic coefficients 2−19282
current source invertor fed induction motor numerical speed control 2−4181
decomposition local functional 2−19333
deferred corrections for equations of the second kind 2−8779
delay, homoclinic solution 2−8740
desynchronised synchronous machine, two-machine set, contactless, differential equations of generalised mathematical model 2−27897
differential inequalities via maximal element techniques 2−8739
directional secondary inferior derivatives, stability in programming non differentiables *(French)* 2−19249
discontinuous mathematical model of squirrel case asynchronous motors 2−7862
discrete approximation framework for hereditary systems 2−4959

differential equations continued
domains construction with all solutions, extreme solutions existence 2−8760
double sweep method *(Chinese)* 2−13733
dynamic response by means of functions of matrices 2−13788
E-forms class values, explicit estimates for linear forms 2−13378
elastic-plastic torsion model 2−13754
electric arc black box model characteristic functions *(German)* 2−14555
electric furnaces wall heat flow model *(Croatian)* 2−18763
electric machine stator groove, nonstationary heating, differential eqns. and algorithm *(Russian)* 2−12578
ellipticity condition *(Russian)* 2−24263
estimation of states and parameters in continuous nonlinear systems with discrete observations 2−13761
existence, uniqueness and comparison results for nonlinear boundary value problems involving a deviating argument 2−13385
existence and dimensions of a rotating white dwarf 2−19347
existence of optimal strategy in univariate diffusion process control 2−19334
exit problem for small random perturbations of dynamical systems with a hyperbolic fixed point 2−13377
facilitated diffusion equations 2−4964
feedback system observability 2−13749
feedback system stability 2−13750
flows on open manifolds with positively Lagrange stable trajectories 2−13384
Fourier-Wiener transforms, appl. to differential equations on infinite dimensional spaces 2−4961
functional differential inclusions, monotone viable trajectories 2−8715
functional equation appl. to soln. 2−524
global existence for a delay differential equation 2−505
gyrocompass maximum scope calc. *(Russian)* 2−504
Hamiltonian systems with a discrete symmetry 2−13756
Helmholtz equation, exterior Neumann problem 2−19088
high-speed electrical machines, problem of optimisation of flexible mounts compliance *(Russian)* 2−12609
Hilbert space approximation theorem 2−4962
homographic solutions of the n-body problem in E^4 2−510
hyperbolic space form functions *(French)* 2−4702
implicit first order ordinary differential equations, numerical soln. methods 2−24255
indicatrix method in free boundary problems 2−24266
influence of wheel/rail contact geometry on large amplitude wheelset equations of motion 2−13001
integral stability for functional differential equations of the neutral type 2−19080
invariant sets for functional differential equations in Banach spaces and applications 2−19360
inverse problems for dynamical systems 2−8411
invertor driven squirrel-cage induction motor, PWM performance anal. 2−4173
invertor fed synchronous motor excitation control and performance anal. 2−18204
ion drives, linearized unsteady three-dimensional flow eqns. 2−22700
iterative method conditional stability and dimensionality 2−13753
Laplace equation boundary problem solving for finite element mesh generation *(Chinese)* 2−13723
large scale feedback system stability 2−13751
Lebesque integrals of Riemann-Liouville type, over-defined differential equation system *(Russian)* 2−4710
Legendre series solutions for linear systems, state-space approach 2−19093
Lie transformation groups 2−24034
linear dynamic system state vector meas. using Kalman-Bucy filter *(Russian)* 2−3021
linear systems in the time domain, describing differential eqn. *(Portuguese)* 2−8946
linear time-varying digital filters, props. of compatible transform 2−839
linearly implicit methods, two classes *(Chinese)* 2−13728
locally Lipschitz solutions of a single conservation law in several space variables 2−19344
mathematical modelling of AC-type hybrid step motor 2−4253
matrix exponential problem, sensitivity 2−8755
meshing engagement, enveloping method *(Chinese)* 2−13719
minimum entropy filtering operator, asymptotic behaviour *(Chinese)* 2−13732
monotone trajectories of differential inclusions and functional differential inclusions with memory 2−4848
monotone-gradient systems 2−13758
multistep methods for initial value problems 2−8726
multivalued boundary value problems, topological coincidence degree methods 2−8743
no-load voltage of a homopolar inductor alternator 2−4236
non-stiff ordinary differential equations, flexible variable order extrapolation 2−13696
nonlinear creep buckling analysis of initially imperfect shallow spherical shells 2−8730
nonlinear scattering theory solution 2−19349
nonlinear Schrodinger equation existence and uniqueness 2−19346
numerical differentiation 2−19374
numerical solution, finite approximations method 2−4953
ODE solvers error control with local extrapolation 2−456
On Emden's differential equation/ and some related equations 2−528
on implicit integration circuits based on differential transformations *(Russian)* 2−13381
on numerical integration of implicit ordinary differential equations 2−4951
on semilinear elliptic boundary value problems in unbounded domains 2−13386
on the solvability/ of ordinary differential equations/ with only partially continuous right-hand-side/ by difference methods 2−497
operator semigroups and differential equations in Banach space *(Russian)* 2−4708
optimal control model local convergence 2−8752
optimal control of random evolutions 2−13490
ordinary, matrix inverse numerical algorithm 2−19336
ordinary, shape-invariant bounds 2−8742
ordinary, terminal value problems 2−19356
ordinary differential equation system and two-point boundary value problems, integrated solutions *(Chinese)* 2−13731

differential equations continued
ordinary differential equations, numerical solution of initial value problems *(Hungarian)* 2−4954
ordinary differential equations, remarks on general solution 2−24054
ordinary system, soln. method with automatic selection of integration order and step length *(Russian)* 2−493
oscillating overhead line alternating bending extension calc. *(German)* 2−27531
parallel nerve fibres stability properties 2−4957
Park-Gorev equations of slow transients of synchronous machines *(Russian)* 2−12606
periodic orbits of ordinary differential equations 2−8420
periodic solutions to differential inclusions 2−19355
perturbation theory for selfadjoint operators in Pontrjagin spaces 2−19090
perturbed collocation and Runge-Kutta methods 2−19351
phase-locked loop control schemes of linear and nonlinear DC motors 2−4223
physical model for magnetic brush development in xerographic machines 2−18829
Picard boundary value problem for nonlinear second order vector differential equations 2−19095
posicast control generalisation *(Japanese)* 2−19371
positional differential game, stochastic programmed synthesis *(Russian)* 2−4741
power system transients model, Kron matrice method *(Russian)* 2−19273
power systems, asymptotic stability domain estimation *(Chinese)* 2−13367
propulsion/levitation linear synchronous motor magnetic field calc. model 2−12617
pseudo-parabolic problems, convergence properties of optimal controls 2−8405
pulse current invertor fed induction motor, transient differential equation model 2−4184
quasi-geodesic mapping 2−19373
renal models, Simpson rules 2−13777
retarded differential equations, interpolatory error control 2−19335
Riccati equations class in Hilbert space 2−8583
Riemann's method/ for some hyperbolic equations/ with constant operator coefficients/ *(Russian)* 2−502
right focal point boundary value problems 2−8745
right focal point boundary value problems uniqueness 2−13755
RMS-to-DC convertors, AC ripple and DC error calc. 2−14270
rolling contact finite element model 2−8733
Runge-Kutta method BN stability 2−13776
second order, numerical asymptotic solution 2−19372
second-kind Volterra integral equations, numerical treatment, convergence and stability anal. for modified Runge-Kutta methods 2−8766
second-order PLL, pull-out frequency 2−19595
self-assembly of graphs with cycles, loops, multiple edges 2−19229
semi-linear wave equations with periodic-Dirichlet boundary conditions, conservative systems 2−8413
semilinear parabolic system in superconductivity theory 2−508
set-value of dynamical systems 2−4712
singular perturbation problem, uniformly accurate difference method 2−518
singularities propagation regularity in associated heat equation *(French)* 2−19085
skeletal frames, large displacement analysis 2−13736
solution of homogeneous systems of linear equations arising from compartmental models 2−19338
spectral approximation of linear operators with applications to the computation of eigenelements of differential and integral operators 2−13784
spherical cap, first eigenvalue 2−8404
spline approximations for neutral functional differential equations 2−19305
spring point mass model 2−8764
stability and fixed points of point-dissipative systems 2−507
stability of solutions bifurcating from multiple eigenvalues 2−19098
Stefan problem, certain estimate of free boundary 2−8412
stiff ODE solvers, test set evaluation 2−19082
stiff ODEs, type insensitive code 2−498
stiff ordinary, numerical solution 2−19353
stiff systems with one unknown initial condition, efficient initialisation 2−8759
stochastic, partial hyperellipticity *(French)* 2−24050
stochastic differential equations, multiplicative noise, numerical study 2−24269
stochastic equations with boundary conditions, strong solutions 2−19099
stochastic equations with discontinuous sample paths 2−24268
stochastic parabolic variational inequalities, existence 2−13491
stochastic system optimal control model 2−13734
Stokes equation, conditions for numerical solution *(French)* 2−19365
structure analysis, numerical integration comparison 2−19341
surface structures numerical solution, three-dimensional, using isolines, gears synthesis appl. *(German)* 2−8707
switchgear electrodynamic forces calc. program using BASIC *(Polish)* 2−18393
T-transformation method efficiency *(Russian)* 2−503
thermoelement, anisotropic, temp. distrib. in mag. field, energy characts. optimisation 2−12936
thyristor commutation unit, mathematical model *(Bulgarian)* 2−9635
thyristor controlled synchronous motor drive in rolling mill, rotor oscillations anal. *(Russian)* 2−7846
thyristor-controlled electric motor differential equation model 2−19362
transformer windings hoop stress distribution under radial short circuit forces 2−27977
transient analysis of solar air heaters using a finite difference technique 2−19343
transient performance of the induction machine with deep bar rotor 2−7852
two-point boundary value problems, error estimates for collocation method 2−24258
Van der Pol and related equations, series solutions 2−24259
Volterra-Lotka differential equations, limit cycles 2−8746
wave propagation, finite difference solution 2−13770
weak continuity and compactness of nonlinear mappings 2−19361
weak focus cycles without contact construction method 2−13759
xerographic plates charging, corona current control by mesh grid 2−18828
zero order of polynomials estimation *(Russian)* 2−13742

differential scanning calorimetry *see thermal analysis*
differential thermal analysis *see thermal analysis*
differentiating circuits
digital differentiator using half a single chip 2−14194
digital differentiator with noise deletion 2−858
higher-order differentiation, for fine-resolution spectra and other electric signals *(German)* 2−3105
multichannel peaking line, nonlinear 2−14250
differentiation
see also differential equations
boundary-value problems 2−523
induction motor harmonics differentiation model 2−4204
interpolation formula using Taylor's formula of operational calculus *(German)* 2−8721
numerical differentiation of curve, use of tangent at various points, computer program 2−19330
numerical methods 2−19374
optimal numerical differentiation using three function evaluations 2−520
Peano curve of Schoenberg is nowhere differentiable, proof 2−19293
quasi-differentiating concept, possible optical implementation 2−15954
tangent bundles differential calculus *(French)* 2−4700
tensors, shells theory 2−8425
transient acoustic response of submerged shells, DAA2 and IDCA models 2−13693
diffraction
see also acoustic wave diffraction; diffraction gratings; diffractometers; electromagnetic wave diffraction; neutron diffraction
three wave interaction, diffr. and dispersion effects 2−21176
water waves diffraction/ around cylindrical obstacles/ 2−172
diffraction gratings
see also holographic gratings
acousto-optic spectral analyser using grating components 2−6073
acousto-optic spectrum analyser 2−10095
asymmetric triangular grating profiles, with 90° groove angles, prod. by ion-beam erosion 2−1737
buried long period grating for laser applications/ 2−1767
channel divider for fibre-optics communication lines with spectral multiplexing 2−20627
compound interlaced grating development for high energy laser systems 2−1769
cylindrical concave diffraction grating, manufactured with multimode slab waveguide 2−15362
DFB semiconductor lasers with chirped grating, axial-mode selectivity and threshold gain 2−6224
dye laser, narrow band, tuned with two gratings *(Chinese)* 2−10329
dye laser, single-mode pulsed 2−25745
dye laser resonator, grating tuned, beam expanding prism influence on linewidth and expansion ratio 2−15524
dye laser subnanosec. narrow linewidth pulse generation by grazing-incidence on two gratings 2−6185
fibre-optic magnetooptical grating switch 2−15354
gratings, classical and crossed, microwave range of diffr., expt. investigation 2−2116
grazing angle grating tuner for single-mode operation of colour centre CW laser 2−1984
grazing-incidence grating for single-freq. tunable pulsed dye laser 2−20847
hole grating beam sampler, high energy laser diagnostic tool appl. 2−1768
holographic laser scanner for high resolution imaging appls. 2−10390
holographic optical elements for laser radiation spectral and ang. charact. control 2−25862
integrated optics, fabrication of gratings 2−15342
laser beam profile shaping with binary diffr. gratings 2−6256
laser pulse properties and fast mol. relax. process investigation using combined laser-induced grating and transient-absorpt. expts. 2−10330
laser resonator, wide-aperture, plane, field investigation 2−20916
light radiation from dielectric waveguide, depend. on surface corrugation 2−15343
micrograting, electron-beam directly written, for integrated optical circuits 2−6042
monolithic integrated micrograting and photodiodes for wavelength demultiplexing 2−25536
open dielectric waveguides, generalised two-dimensional coupled-mode anal. of curved and chirped periodic structures 2−1695
optical heterodyne detector with diffraction grating integrated onto surface of Si photodiode 2−6052
optical heterodyne detector with integrated diffraction grating on diode surface 2−16974
optical multi/demultiplexers for single-mode fibre transmission 2−9988
optical periodic waveguides, microwave modelling 2−1698
parallel plate grating with dielec. loading, diffr. of plane wave 2−21082
periodic structures for guided-wave optical interferometer 2−6038
phase grating, light diffr. efficiency by sinusoidally corrugated interface 2−1744
planar demultiplexer with chirped grating for optical fibre systems, WDM technique 2−6047
PMMA thin film masts, for use in electron beam lithography, thickness profile determ. 2−14525
Rayleigh methods in reflection by grating, power balance and integrated-square errors 2−10458
rhodamine 6G dye laser with compounds resonator pumped by Xe-ion laser 2−10265
ring resonator, dispersive, with diffr. grating as amplitude rectifier 2−1981
SEM magnification standard, grating or conjugated struct. 2−9385
semiconductor oscillator with open resonator and reflection grating 2−950
shared aperture components, spectral shaped 2−1766
surface EM waves, excitation by diffr. grating 2−10464
thick-grating non-divergent focusing device, two dimens. analysis 2−6032
thin plates and diaphragms, optical technique for defect detection 2−629
thin-film DFB laser emission, wavelength tuning method 2−25655
US phase gratings, optical testing using Fresnel diffr. method 2−10098
waveguides, composite, grating struct. investigation 2−20660
wavelength division multiplexing, operation and potential 2−2792
As_2S_3 amorphous film waveguide, optical grating device fabrication 2−1740
Au transmission gratings with submicrometre spatial periods, fabrication, holographic lithog., X-ray lithog. and microplating 2−20704
CO_2 waveguide lasers containing diffr. grating, coupling losses 2−20837

diffraction gratings continued
GaAs (100) planes, grating corrugation form *(Chinese)* 2−10101
$LiNbO_3$:Ti waveguide, segmented photoresist Bragg grating for static spatial filter 2−6041
SiO_2 high-aspect-ratio gratings, wet and dry procesing technologies, UV polarizer appl. 2−20705
diffraction instruments *see diffractometers*
diffractometers
see also X-ray diffractometers
diameter meas. of calibrating diamond draw-plate, by laser diffractometric method 2−17127
diffusion
see also diffusion in gases; diffusion in liquids; diffusion in solids; electromigration; osmosis; permeability; self-diffusion; surface diffusion; thermal diffusion; turbulent diffusion
capacity and quantum mechanical tunnelling 2−4781
diffusion coefficient *see diffusion*
diffusion in gases
see also self-diffusion in gases
CO_2-N_2, mixing laser, performance using rapid mixing technique 2−1854
diffusion in liquids
see also electromigration
electrolyte solutions, self-balancing high-precision AC Wheatstone bridge for diffusion process obs. 2−17045
holographic interferometry use, review *(Rumanian)* 2−10386
LPE mass transfer processes and influence on epitaxial layer growth rate 2−564
optical waveguide fabrication by diffusion from molten nitrate mixtures 2−20658
diffusion in plasma *see plasma transport processes*
diffusion in solids
see also electromigration; ionic conduction in solids; self-diffusion in solids; surface diffusion
barriers in layered contact structures 2−5707
enhanced low temperature diffusion of electron-beam evaporated aluminium into SiO_2 thin films 2−25078
filamentary A15 superconductors, developments in the UK, review 2−5920
glass planar light waveguide formed by Ag diffusion, optical props. 2−1714
glass substrate, diffusion of K^+, fabrication of optical waveguides 2−10027
ICs electro- and thermotransport effects on conductor lifetimes *(German)* 2−5794
interface physics, conf., Williamsburg, VA, USA (Jan. 1981) 2−4566
low-density polyethylene, diffusion studies of antioxidants 2−9761
monolithic ICs, insufficient diffusion, SEM meas. *(German)* 2−14766
$MoSi_2$, contact metallurgy technique by using ion-beam mixing 2−1263
polyacetylene, diffusion of SbF_5 and I_2 2−25146
polyacetylene, p-type, dopant profiles and optical and electrical props. 2−20119
semiconductor, electric field enhancement calc. for degenerate diffusion process 2−24911
semiconductors, oxide films, plasma growth, review 2−24335
VLSI, modelling and meas. of two dimensional low conc. B profiles 2−1450
Ag-Te, amorphous semicond. film, prep. by diffusion and elec. cond. 2−25008
Al/n-Si, small area laser beam annealing, subsurface alloying and deep Al penetration 2−1232
Au-Al on clean glass substrates, effect of O_2 and Ar on interdiffusion of thin film couples 2−8839
B, controlled two-stage diffusion model *(Russian)* 2−1299
CdS, ionic processes occurring under combined action of illum. and elec. field 2−20719
CdS-metal interface, reactive interdiffusion and electronic barriers, reactive interlayer control of Schottky barrier height, photoemission study 2−20136
p-CdTe, covered with dielec. films, annealing effects, diffusion phenomena and carrier conc. *(Japanese)* 2−20147
Cu_2S-CdS solar cells degradation, lateral diffusion effects 2−23546
Cu_2S-ZnCdS thin film solar cells, cross diffusion of Cd and Zn 2−23545
GaAlAs DH laser, strain related degradation phenomena, SEM cathodoluminescence and induced current study 2−20910
GaAlAs-GaAs DH lasers, low threshold narrow stripe, controlled Zn diffusion 2−6213
GaAs, of Zn, for optical waveguide modulators 2−25534
GaAs, open tube diffusion of Sn, improved process for microwave devices 2−24720
GaAs:Fe, heat treated substrate, photoluminescence props. studies 2−9425
GaAs:Mn, heat treatment below Si_3N_4 encapsulant of Mn implant, dopant profiles and diffusion mechanism *(French)* 2−1298
GaAs:Se(S), impurity profile, implantation temp. and crystallinity depend. 2−20182
GaAs:Zn, annealed, diffusion profiles meas. 2−14645
GaAs:Zn, nonequilib. substitutional-interstitial Zn diffusion, photoluminesc. study 2−9557
GaAs-Cu(Ag)(Zn)(Sn)(Al) contacts, metal diffusion, penetration depth, SEM and microprobe anal. 2−20140
GaAs-Sn layers, laser annealed, interface struct. and diffusion 2−14699
GaAs-ZnSe heterojunction interface, LPE conditions effect 2−25066
GaP:N, Al^{2+} postimplantation gettering effects in p-n junctions 2−9485
p-GaP/Au-Zn contact system, out-diffusion process, barrier metals effect 2−25069
Ge:Al, ion implanted, annealing behaviour obs., Al conc. profiles determ. 2−24948
Ge-GaAs superlattices, MBE growth 2−5001
$Hg_xCd_{1-x}Cr_2Se_4$, solid soln. thin films, isothermal epitaxial growth on $CdCr_2Se_4$ single cryst. substrate *(Japanese)* 2−13827
$In_{0.53}Ga_{0.47}As$ on InP substrate, Mn as p-type dopant, distrib. coeff., room temp. mobility and diffusion coeff. 2−14759
InP, diffusion of Cd at 680°C, p-n function formation 2−9554
InP:Zn, p^+n junction diodes and Schottky barriers, deep levels, Zn diffusion effects, DLTS study 2−9427
InP-metal interfaces, atomic and electronic struct., XPS and elec. meas. 2−5631
LiAl composite electrodes in solid state battery 2−18415
Mo-Re alloy film on Si substrate annealing behaviour, interdiffusion obs. 2−5704
diffusion in solids continued
$NbSi_2$, contact metallurgy technique by using ion-beam mixing 2−1263
Nb_3Sn filamentary superconductor manufactured by solid-liq. diffusion process 2−5922
Nb_3Sn multifilamentary superconductor, manufacture by external diffusion method 2−5923
Nb_3Sn superconducting tape, AC losses and stabilization 2−5933
$Pb_{1-y}Sn_yTe$ crystals, Sb-diffused, ion channelling and AES study 2−1293
PbTe, of Cd, effect on elec. props. 2−1209
PtSi-Ti/W-Al metallisation system, reliability in bipolar logic devices 2−14984
Sb diffusion from spin-on doped oxide for buried layer formation for bipolar integrated circuits 2−5688
Si, columnar, diffusion parameters optimisation using two-step diffusion of phosphorus 2−12900
Si, diffusivity of O during steam oxidation 2−25153
Si, MBE, background and dopant impurities in film and film-substrate transition region, elec. transport 2−1153
Si, masking oxide effect on diffusion 2−1291
Si, meno- and polycrystalline, As doping using laser-induced diffusion 2−9564
Si, model of impurity diffusion from oxide source 2−5684
Si, open-tube diffusion of Al 2−9553
Si, oxidation by O_2, model 2−14784
Si, semiconductor device processing, book contrib. 2−1277
Si solar cells polycrystalline effects of special processing on diffusion lengths 2−12903
Si:B, impurity diffusion and distrib. in surface layer during sublimation 2−14769
Si:B(P), anomalous diffusion, suppression by pre-diffusion annealing 2−1296
Si:Li polycrystalline solar cells, effect of diffusion on grain boundary transport and minority carrier recombination 2−23622
p-Si:P, ion bombarded, doping by radiation accelerated diffusion 2−14767
Si:S(Se) IR detector, spectral response, dopant diffusion vapour press. effect 2−3160
SiO_2-GaAs interface, props. of spin-on interfaces 2−1389
TiB_2 film electrode behaviour in Si vacuum deposited thin film solar cell 2−28113
V_6O_{13}, composite electrodes in solid state battery 2−18415
Zn_3P_2-Mg solar cells, interface reactions 2−23595
Zn_3P_2-Mg solar cells, interface reactions 2−23608
ZnSe crystals, effect of heat treatment in Zn, Se, Cd vapour on optical and electro-optical props., diffusion coeffs. determ. 2−5549
ZnSe:Al, formation of low resist. In contacts 2−14693
ZnTe, laser induced O diffusion, photoluminesc. study 2−25141
diffusion pumps
gas laser operation, vacuum technology 2−20922
space chambers, small, vac. pumping systems *(Japanese)* 2−27240
diffusivity *see diffusion*
diffusivity, thermal *see thermal diffusivity*
digital-analogue conversion
see also analogue-digital conversion
8-bit D/A convertor module, PCB, assembly inf. *(German)* 2−5331
10 Bit Model 1422 2−19824
12- to 16-bit, indirect automated measurement using ATE system 2−19744
12- to 18-bit, NBS calibration service, design, measurement and operation 2−19743
12-bit data converters, microprocessor compatible, connections *(German)* 2−9116
14-bit, bipolar, using switched current divider, audio systems appl. *(German)* 2−11274
14-bit convertor, compatible with microprocessor *(Italian)* 2−9119
16-bit, for electron beam positioning in lithography *(Russian)* 2−886
16-bit D/A convertor with dynamic voltage divider *(Czech)* 2−24562
16-bit digital signal-processing system for audio signals *(German)* 2−26691
A/D and D/A convertors automatic testing using 18-bit precision DC measurement system 2−19742
AD7520 characts. 2−19826
AD7546 16-bit convertor 2−5263
AD 558 model 2−19825
analogue signal processing *(German)* 2−24563
automatic gain enhancement for corner correction in a digital convergence system 2−11547
base line correction appls. 2−19733
betatron energy control system 2−11690
calibration service for high performance convertors 2−24570
CMOS convertors, system adaptability *(Swedish)* 2−19735
companding D/A convertors, design and appls. 2−5328
complex waveform and vector generation, using multiplying D/A convertors 2−14007
convertor multipliers, operating principles, CMOS 10-bit single chip device *(Italian)* 2−9120
DAC-20, with 8038, simple programmable function generator design 2−9028
data conversion and singal conditioning *(Italian)* 2−5262
data converter calibration service for A/D and D/A converter transfer characts. meas. 2−26712
design, operation and appls. 2−900
digital control implementation 2−14269
digital convertor testing using Walsh transform techniques 2−19831
digital function generator, based on D/A converter, electrochemical appls. 2−16992
dual D/A converter for microprocessor applications 2−24567
exerciser for D/A convertors 2−5325
fast code-phase convertor 2−904
function generation machine code programs using 8 bit D/A convertor and 8080 *(German)* 2−19703
function generator, programmable analogue, based on multiplying D/A convertors 2−24444
graphic screens, requirements for very fast D/A convertors *(French)* 2−24569
high speed, appl. to single chip devices and microprocessors *(Italian)* 2−9118
IFO counters for automatic tuning in radio and TV *(German)* 2−2889
interfacing with microcomputers *(German)* 2−891
interpolation for DAC in PCM transmission systems for colour TV 2−6905

digital-analogue conversion continued
ladder resistances circuit, part of DC voltage indicator *(Spanish)* 2—11526
linear IC technology for programmable nonnumeric controls, D/A convertors *(German)* 2—19574
microprocessor interface techniques and precision signal handling 2—19724
microprocessor-controlled attenuator for audio signals *(Italian)* 2—9137
National Semiconductor system 2—5329
optical detector system, self-level adjustment 2—22274
phase calibrator, with linear conversion of controlling code in phase shift 2—7179
plasmatron high-rate sputtering methods and appls. in microelectronics, hybrid microelectronics and electronics 2—19450
programmable state-variable active biquads 2—14210
programmed and double ramp integrator types, applns. and basic parameters *(Italian)* 2—5320
real time interpolation schemes for D/A conversion appls. 2—14181
room acoustics, digital simulation system *(German)* 2—27319
RS232 serial communications data interface 8-bit A/D plus D/A convertor board 2—19731
SAB 2022 IC power supply unit using D/A convertor *(German)* 2—692
settling time testing in production environment using ATE 2—22108
single-channel PCM voice CODEC in NMOS technology 2—26316
speech synthesis vocoder, construction principles *(German)* 2—2298
staircase signal generator charact. *(German)* 2—19579
testing, when digital and analogue components are on name card 2—9189
testing method using Walsh functions 2—6400
testing using Burr Brown's DAC 74 as reference standard 2—9117
thin film D/A convertor layout, power supplies, loading, grounding 2—24564
TV broadcast signal meas. and logging system, Tektronix 1980 ANSWER set 2—22084
TV monitor appl., 8 levels of grey generation *(Italian)* 2—6910
two-input D/A convertor mode on single slice 2—9190
unipolar D/A convertor, sign digit *(German)* 2—14180
untrimmed D/A convertor with 14-bit revolution 2—19738
voltage ratio meas. system using ADC and DAC 2—11566

digital arithmetic
see also carry logic
binary logarithms and antilogarithms, generation by cellular logic structures *(French)* 2—24475
binary summation cct., using three-input exclusive-OR gate 2—24496
digital electronics handbook 2—8139
FFT processor, high-speed, design 2—2329
filters, error magnitude in numerical display of quantities, effect of limited word length *(Czech)* 2—19803
fixed point parallel multipliers in VLSI 2—19641
floating point multiplication, models of error 2—8658
floating point routines for Z8000 and TI9900 chips *(Italian)* 2—5253
modulo-four multiplying circuit for nonrecursive digital filter 2—14228
negabinary arithmetics and systems, brief survey 2—19187
Number Theoretic Transforms for high speed convolution 2—5298
parameter calculation in digital code network *(Chinese)* 2—14041
residue-to-decimal convertor 2—19754
second-order direct-form digital filters, controlled rounding arithmetics, elimination of self-sustained oscill. 2—838
signed-digit arithmetic circuit appl. 2—14227
three-port memory ALU 2—5178

digital circuits
see also adders; digital integrated circuits; pulse circuits; switching circuits
CAD levels methods, crossing abstraction 2—789
chatter eliminator for 6 sets of contacts using flip-flops and CMOS 4050 IC *(German)* 2—5312
clock extraction circuit 2—5158
computable ordering of digital network, method of determination 2—14043
contact bounce simulation circuit *(Italian)* 2—9128
counting circuit for low frequency rate meter 2—7311
counting device for light pulse time anal. 2—3423
D/A convertors and A/D convertors, data conversion and signal conditioning *(Italian)* 2—5262
decoder for conversion of serial 6 bit pulse train into parallel equivalent 2—14190
differentiator using half a single chip 2—14194
digital electronics handbook 2—8139
digital random pulser for testing nuclear instrumentation 2—3422
digital-frequency integration, error computation *(Russian)* 2—5169
double slide projector with brightness control on change-over *(German)* 2—19751
drift chambers, multiple time digitizers and trigger system 2—3389
dynamic circuitry testing, static automatic test program generators appl. 2—24471
EMC in high speed logic circuits 2—24477
fault detection, test pattern generation technique 2—24499
feedback networks with memory, expected value anal. 2—14198
four-phase overlap clock ring counter 2—5175
frequency multiplier using multi-section two-strip coupled line *(Japanese)* 2—9213
heads or tails indicator, using 4077 EXNOR IC 2—19750
high flexibility programmable raster for video displays 2—6922
high speed sequential multipliers, design principles *(Russian)* 2—24575
initialising method for INDICATES automatic test pattern generator system 2—5171
isolation circuit for interconnected systems 2—24574
Josephson digital circuits, review of future cryogenic technology 2—25457
LED picture-display device driven by digital video signal using current-division method *(Japanese)* 2—17059
light current electrical applications, TEC syllabus textbook 2—23918
logic receiver for general-purpose interface with TTL output logic levels 2—5174
LSI automatic testing *(Swedish)* 2—25281
MADSSIM program, used for minicomputer complex digital cct. simulation *(Danish)* 2—19501
microstrip multilayer PCB, new developments in design construction 2—14398
multichannel digital tape recorder, design requirements of the digital circuitry 2—11529
nonlinear motion using digital techniques 2—5267

digital circuits continued
parameter calculation in digital code network *(Chinese)* 2—14041
power supply voltages monitoring, digital system 2—24573
precise-width pulse generator 2—5145
programmable digital delay test circuit for testing computer interfaces 2—8256
programmable digital fading control for transparency slide projectors *(German)* 2—14196
pulse shape discriminator for neutron and gamma pulses, tests with NE213 scintillator 2—3425
ratemeter using input pulse rate averaging 2—7290
resonators, design procedure for stability, variable-freq. design *(Russian)* 2—19583
rhythmic speech control system, electronic circuits *(Spanish)* 2—27197
signal generator for low distortion waveforms of precise frequency, microcomputer based 2—9014
signal processing hardware 2—7059
sinewave generation control 2—16995
skill and logic game for two-players *(Spanish)* 2—9132
storage chip power control cct. 2—14112
telephone line control signals detect. cct. 2—10775
temperature controller in 6000 series for JFET, report 2—11610
testing using logic generator *(German)* 2—7057
thyristor controlled AC loads, interfacing digital circuits 2—9131
triangular sinusoidal waveform synthesiser, with low distortion for digital techniques *(Italian)* 2—9030
TV production and distribution, applns. 2—19605
two-way data selector with transfer devices 2—24626
variable-size character generator for display system 2—24572
voice synthesizing ccts. using linear predictive coding techniques *(Italian)* 2—6415
wobbler for checking and tuning IF filters *(Czech)* 2—9133

digital communication systems
2 GHz DS-3 digital radio, technical considerations 2—10957
2 GHz DS-3 digital radio design for analogue route overbuilding 2—2685
4 GHz TD radio link, 20 Mb/s FSK digital transmission expt. 2—6765
6 GHz 16 QAM digital radio performance with adjacent channel interference 2—2684
6 GHz band 30 MHz channel digital radio system design and performance 2—2666
16 QAM carrier recovery circuit for digital microwave radio *(Japanese)* 2—19598
24-channel digital signal processing transmultiplexer 2—2604
24-channel LSI digital transmultiplexer 2—6675
40 MHz bandlimited nonlinear QPSK satellite channel uplink noise effect simulation 2—6806
40-DCPSK onboard demodulator implementation imperfections, performance degradations and meas. techniques 2—26187
90 Mb/s 16 QAM digital radio repeater design 2—6766
200 Mbit/s 16-QAM microwave radio, transversal adaptive equalizer to alleviate waveform distortion due to multipath fading 2—2688
200 Mbit/s 16-QAM microwave radio system with new countermeasure techniques for multipath fading 2—2687
560 Mb/s PCM cable transmission, optimum decision feedback receiver 2—6735
565 Mbit/s transmission system, multiplexing, regenerating and fault-locating techniques 2—6685
800 Mbit/s digital transmission system over coaxial cable 2—6535
800 Mbit/s repeater, circuit design 2—6536
1980s development trends *(Finnish)* 2—15992
adaptive equalisation via fast quantised-state methods 2—10604
adaptive equaliser design for QAM system 2—2253
adaptive IF equaliser for 90 Mb/s 8-phase DPSK radio system 2—2669
adaptive mean-square error transversal equaliser 2—6732
air-traffic control communication links, future developments 2—17535
asynchronous intra-frame coding with one-dimensional prediction 2—21301
audio, 14-bit bipolar D/A convertor appl., using switched current divider *(German)* 2—11274
audio signals 16-bit digital signal-processing system *(German)* 2—26691
Australian Digital Data Network, description 2—16170
automatic line equaliser down to 0 dB loss, approx. mathematical model, repeater appl. 2—2652
automatic repeat request scheme for pre-emptive retransmission over noise channels 2—15843
Bell Canada progress towards integrated digital network 2—6517
Bell Northern digital telephone system for integrated services 2—16055
Bell Telephone Co. Integrated Services Digital Network 2—2440
binary FSK Communication systems subjected to impulsive noise, error rate prediction 2—15806
binary FSK communication systems subjected to impulsive noise, error rate prediction using 2nd order technique 2—15807
bit error rate determ., using extrapolation technique 2—6428
British Telecom, development of digital network plan 2—16060
British Telecom data service developments 2—21614
British Telecom network, impairments in digital transmission 2—10792
British Telecom proposed integrated services digital network 2—6519
broadcasting, review of introduction of digital systems 2—11152
burst error generator for error pattern simulation 2—11499
burst-error-correcting array codes 2—2281
cable TV, optical trunk line appl., high-quality service 2—6931
central/distributed control telecommunications switching systems, signalling, software processes *(German)* 2—26323
clock circuit systems for digital data network, development 2—2646
closed loop digital transmission system, data stations *(German)* 2—2582
coaxial cable system (LD-4), fault location and restoration, review 2—6534
coaxial systems, max. achievable repeater spacing 2—6736
codec for PCM telecommunication circuits 2—6669
continuous-phase FSK performance in nonlinear satellite channels 2—6807
COS3/FOSTER optical fibre cable plant for interconnection of urban exchanges, struct. and charact., laying and jointing procedure *(Italian)* 2—6823
COS 3/FOSTER fibre-optical communication system, operational trials in Italy 2—26496
COST 211 project using OTS 2—11060
CPSK signals fading, in Gaussian and impulsive atmospheric noise environment 2—6429
cross-polarized digital microwave transmission, depolarization equalizer based on adaptive linear equalization 2—2689

digital communication systems continued
cross-spectrum symbol synchronisation 2−6482
Danish telephone network, digital subset trials 2−2455
data communication techniques, trends, digitalisation of telephone network, LSI appls. *(Japanese)* 2−16007
data communications in an integrated services digital network, review 2−6533
data radio systems for railway communication and control 2−16395
DATALINK nationwide private data communications network, conversion to packet technology 2−2547
Datanet 1, Netherlands, packet-switching data network, role and significance 2−26373
Datanet 1, Netherlands data network, as part of telecommunication infrastructure 2−26374
Datanet 1, Netherlands data network the user's point of view 2−26376
differential PCM, probability charact. of estimate of message 2−21267
digital communication system based on multistation access and TDM, high speed modem design 2−16429
digital component video recording at 230 Mbit/sec 2−16674
digital microwave radio using 16-QAM techniques 2−2247
digital radio as a component of telephone transmission networks 2−6740
digital radio technology, present and future 2−6741
digital subscriber loops, transmission system architecture 2−2579
digital switching and transmission, problems in implementation into analogue system *(German)* 2−10779
digital telematics networks evolution, ISDN switching office model *(Italian)* 2−16008
digital telephone networks, microprocessor applns., ITT 1290 Operations and Maintenance Centre 2−2451
digital telephone system technology introduction in Germany *(German)* 2−16023
digital TV, overview of advances in technology 2−26592
digitalisation of long distance network by the German Posts and Telegraph Dept. *(German)* 2−10780
DIKOS digital communication system *(German)* 2−10778
DIV 200/400 digital telephone transmission system *(German)* 2−26341
DMS-1A international subscriber carrier system 2−21429
Dutch data network, technical aspects 2−26375
E10 TDM digital switching system incorporation into integrated services network, technology and planning 2−6723
E10.S/TSS.5 digital PCM switching system, appls. in private-line networks, mobile radiotelephone networks and directory service 2−6690
EDP sub-systems, optical fibre interconnections *(Italian)* 2−11083
electrical cable and optical fibre systems *(German)* 2−10756
electronic speech cct. for telephones, developed by Bell Northern Research 2−16051
equipment for transmission of sound broadcasting signals 2−2880
error-correction coding, book 2−10644
European Communication Satellite system, TDMA, digital speech interpolation appl. 2−21768
EWSD digital communication system for telephone exchanges *(Czech)* 2−10925
facsimile, analogue and digital units' advantages compared 2−2473
facsimile equipment, high-speed, scanning line irregularity study *(Japanese)* 2−2477
FDMA data transmission systems, adjacent channel interference and intermodulation distortion, computer-aided anal. 2−16448
fibre optic, Bayes' optimal receiver 2−11089
fibre optic, receiver design 2−2788
fibre optic, subscriber loop applications, high bit-rate transmission, integrated network capability 2−21848
fibre optic digital data communications, practical circuit designs 2−11077
fibre optic transmission systems, Northern Telecom FD series, terminal equipment, sources and detectors 2−21846
fibre optic transmission systems, rationale and appl. 2−21842
fibre-optic digital communication system equipment GaAlAs DH laser diode and Si avalanche photodiode receiver 2−6841
fibre-optic transmission techniques, digital and analogue systems 2−26517
fibre-optic transmission techniques and future performance *(German)* 2−26505
FM, narrow-band, error rate theory, time domain approach 2−15805
FM transmission system, performance charact. 2−21431
Focus System Five digital central office architecture 2−2629
full-duplex data transmission system operating on subscriber loop, design and simulation 2−10890
Gaussian filtered minimum shift keying transmission performance 2−21268
general discussion 2−3016
German Democratic Republic problems arising from digitalization of system *(German)* 2−6543
German Post Office research institute, principle tasks *(German)* 2−16001
GMSK land mobile radio, spectrum efficiency 2−11010
high bit rate data transmission systems, selective-repeat ARQ schemes with finite receiver buffer, anal. 2−2529
high-capacity digital radio relay system, 140 Mb/s, 11 GHz band, QPRS modulation 2−26426
hybrid switching systems for circuit- and packet-switched services, anal. and design 2−2645
IC regenerator, capable of operation in 2 to 320 Mbit/s range 2−21853
image transmission system for TV signals, low-speed, experimental system 2−26297
implementation of ISDN by United Telecom, USA 2−16012
information broadcasting in US, teletext-type service using Subsidiary Communications Authorization channels 2−21503
inland telecommunication network, future plans 2−15979
insertion of 32 kbit/s coding in the telephone network: general trends and tandem connection probl-ems *(French)* 2−6544
integrated communication services, history and current status *(German)* 2−26199
integrated digital data switching and transmission systems 2−26377
integrated digital telephone network, long-range planning 2−16310
integrated service digital communication networks, standardization, coding systems and terminal struct. *(German)* 2−2429
integrated services development *(Croatian)* 2−2425
Integrated Services Digital Network, 80 kbit/s subscriber connection system over 2-wire line, TDM principle 2−6708
integrated services digital network, an introduction 2−6500
integrated services digital network, exchange for distributed control 2−6709
integrated services digital network, impact of non-voice services on network evolution 2−6501

digital communication systems continued
Integrated Services Digital Network, synchronisation of switching and transmission systems 2−10943
Integrated Services Digital Network, technology, economics and customer demand, overview 2−2643
integrated services digital network, transition from analogue telephone networks 2−2453
integrated services digital network (ISDN), signalling and protocols 2−26189
Integrated Services Digital Network concepts and accomplishments 2−6514
Integrated Services Digital Network manufacturers' progress reports 2−6516
Integrated Services Digital Network planning in Bell System 2−6515
Integrated Services Digital Network planning process in Bell System 2−6522
Integrated Services Digital Network switching office model *(Italian)* 2−21612
integrated services digital networks, customer access protocols 2−6502
integrated services digital networks, data communication handling prospects 2−21618
integrated services digital networks, evolution of services 2−16011
integrated services digital networks, transport methods 2−6503
integrated telephone-data handling system, Switzerland *(German)* 2−16044
integrated text, data network concepts *(German)* 2−16278
integration with existing telecommunication services *(German)* 2−16000
interbusiness communication and TV, TELECOM 1 satellite system *(French)* 2−21799
interoffice facilities network planning and design for Bell System special services 2−6532
interoffice facility network planning, digital transmission network, evolutional strategy 2−6727
interoffice lightwave facilities network planning for metropolitan area 2−6531
intersatellite links, interconnection of satellite-switched TDMA networks, onboard clock sync. 2−6818
ISDN multiservice terminal equipment design appl. 2−16309
isochronous data transmission systems, INGOT2 software for use in interactive/graphical anal. 2−2436
Italian COS 3/FOSTER interexchange optical cable expt. 2−2804
Italian integrated services digital network signalling and protocol definition 2−6520
K-1209P telephone transmission system, communication channel equipment 2−26220
land mobile radio channel, burst error charact. 2−10994
land mobile radio systems using min. shift keying with differential detect., transmitter diversity 2−11000
land-mobile radio systems, digital techniques for optimum frequency spectrum utilization 2−2718
large scale integrated service local network using optical fiber data highway 2−2812
large-capacity radio systems using 16QAM and 8PSK modulation, RFI, outage 2−26425
lightning protectors for digital telecommunication installations 2−10764
line code selection for PCM transmission via coaxial cable, five stage code *(German)* 2−10641
line-of-sight digital microwave propag., two-tone amplitude dispersion, distance var. 2−6768
local distribution facilities, economic aspects 2−6523
local distribution in a digital communications network for business organizations, microwave radio and fibre-optic systems 2−2462
local-area radio-links network, RF assignment problems, network optimization algorithm appl. 2−2692
lock detector algorithms for synchronization for PN code lock verification or carrier loop lock verification 2−10647
logarithmic processing memory-oriented transmultiplexer architecture and simulation 2−2647
logarithmic processing memory-oriented transmultiplexer model implementation and testing 2−2603
long wavelength fibre optical digital transmission, performance for field applications 2−11101
low-pass filter design error correction 2−24582
M-ary and spread spectrum, appls. to laser communications 2−26509
measurement in digital audio and video systems, conf., London, 1981 Nov. 2−18877
medium-distance, cost comparison technique *(Italian)* 2−10759
metropolitan area digital radio-relay systems for interconnection of telephone exchanges 2−2693
microwave 5 GHz, 200 Mb/s 16 QAM modem *(Japanese)* 2−21677
microwave appls. book 2−6747
microwave digital radio system, automatic transversal equaliser 2−21743
microwave drop and insert multiplexer for 1 to 96 channel removal/addition 2−10966
microwave links development, telephony appl. 2−10967
microwave links with PSK modulation, equipment considerations for modern systems 2−16335
microwave radio, 90 Mbit/s systems, extended range adaptive equalizer design 2−2675
microwave radio, 91 Mbit/s systems, cofreq. cross-polarized operation during multipath fading 2−2676
microwave radio distribution systems in France, 1.5-GHz TDMA system and 31-GHz point-to-point link for remote telephone subscribers 2−2691
microwave radio in 4, 6 and 11 GHz common carrier bands, multipath propag. effects 2−2677
microwave radio links, evaluation of impairment due to multipath fading, statistical 2−6759
microwave radio links, overview 2−16369
microwave radio-relay systems, analogue FDM/FM and digital FSK transmission, outage and compatibility 2−26395
microwave relay system for telephone/telegraph services, 0.79 GHz to 0.96 GHz, digital multiplex equipment 2−6761
microwave rural telephony system, IRT 1500, telephone concentrator, facilities using TDMA techniques 2−6763
military single antenna tropo system, TACTROPO 2−10977
military tropo, communication, radio equipment 2−21731
mine communication systems, useful lengths determ. rel. to data security, EM interference aspects 2−16225
minimum shift keying modulator performance in dynamic temp. environment 2−6393

digital communication systems continued
MMS43 block codes on digital line systems, occurrence probability of multiple bit errors *(German)* 2−6401
mobile channel, conventional, maximum bit rate 2−11003
mobile radio, fast fading, digital PLL with phase-step input, perform. 2−11004
mobile radio, MFSK system performance 2−16388
mobile radio, Rayleigh fading channels, bit error rates of selection diversity systems 2−11007
mobile radio systems, PSK digital modulation methods in Rayleigh fading environment and presence of co-channel interference 2−2708
mobile radiotelephone system using TDMA/FDMA scheme 2−21761
model for introduction based on decomposition into elementary networks 2−21393
modem, 2400 bit/s capacity, for data transmission over telephone networks, microprocessor appls. *(German)* 2−2583
modular central office exchange with saturation routing scheme *(Italian)* 2−10929
modulation techniques for digital transmission *(German)* 2−15826
modulation techniques for digital transmission *(German)* 2−21269
monitor and control of digital transmission system 2−6527
MT8980, digital switching chip 2−6661
MT8980, DX IC for digital switching appl. 2−26333
multicell communication satellite configuration 2−2733
multilevel digital signals in nonlinear channels, error probability anal. 2−21261
multilevel ordered dither method for continuous-tone digital facsimile coding 2−2482
municipal application of digitally addressed, trunked communications systems/ 2−2438
network planning for integrated services digital networks 2−16013
network transition from analog to integrated digital, integrated services digital networks 2−10944
networks for data and teletex communications, step-by-step establishment 2−21469
nonlinear wideband satellite links, noise characterisation in simulation 2−16447
Norwegian digital telephone system, operation and maintenance *(Norwegian)* 2−26222
o/p moments used to predict performance of nonlinear systems with Gaussian 1/ps 2−6385
office automation technology, data transmission and networking *(Japanese)* 2−16005
oil industry communication systems, cable and microwave transmission networks 2−6550
operations planning in Bell Canada's digital telephone network 2−6551
optical, bit-error rate computation, heterodyne/coherent communication schemes 2−21821
optical, commercial models *(German)* 2−16464
optical communication, line-of-sight, through low-visibility weather, multiple forward-scatter model 2−16491
optical fibre, Si avalanche photodetector *(Italian)* 2−16461
optical fibre appls. in submarine cable systems 2−26514
optical fibre communication experiment at 5 Gbit/sec, transmitter, fibre and receiver design 2−16458
optical fibre link receivers, use of high speed comparator 2−16488
optical fibre PCM-ASK heterodyne communication system 2−21820
optical fibre projcts in Japan *(Japanese)* 2−16473
optical fibre telecommunication system, design detailed, 34 Mbit/s capacity *(Italian)* 2−11082
optical orthogonal pulse compression codes by hopping 2−21272
OTS, 120 and 180 Mbps digital transmission tests, results and conclusions 2−11053
OTS, 60 Mbit/s digital transmission tests, results and conclusions 2−11052
OTS, experimental digital TV transmissions 2−11146
PABX options for data services managers 2−21694
PAL colour TV signal coding, 34 Mbit/s transmission appl. 2−16542
patient's case history automatic transmission over voice channel, digital attachment 2−16210
PCM digital telephone transmission systems for pair cables, 0.7 and 2 Mbit/sec 2−10772
PCM metering system for error rate meas. *(German)* 2−10640
PCM multiplex equipment using single channel LSI codecs *(Japanese)* 2−6662
PCM multiplex equipment using single-channel LSI codecs *(Japanese)* 2−6663
PCM multiplexing equipment using single-channel LSI codecs, hardware configuration *(Japanese)* 2−6664
PCM transmission systems, repeater housing crosstalk 2−21709
PCM-ADPCM convertor for digital tandem connections 2−21304
phase comparison sinusoidal FSK demodulator simulation and development 2−6808
picture quality of component digital television systems, effects of analogue filtering 2−16638
PLL for generating freq., discriminating digital words 2−24457
power and bandwidth efficient JSI and jitter free transmission techniques for linear and non-linear channels 2−6394
pseudorandom noise code, spectrum of product signal of PN code and its time-shared dithered replica 2−10616
Ptarmigan digital transmission codes 2−21755
Ptarmigan electronic teleprinter and facsimile transceiver terminals, appls. 2−21754
public telephone networks, PCM and multiplexing *(German)* 2−2443
quantizing distortion, examination for communication networks *(Hungarian)* 2−16258
quantum signal detection by mismatched receiver 2−2321
radio, in-service performance monitoring for a 3200 km, 91 Mb/sec digital radio system 2−6754
radio, modulation technique for increased bandwidth efficiency 2−10964
radio, performance monitoring 2−6755
radio link, synchronous baseband switch *(German)* 2−26394
radio links, digital 4 GHz equipment STN 4000 2−26411
radio long-haul 8 GHz system, DRS-8, Canada 2−10965
radio relay network, spectrum utilisation 2−26406
radio relay network digitisation processes and technical requirements 2−6751
radio relay systems in 4, 6 and 11 GHz common carrier bands, multipath propag. effects 2−2678
radio relay systems to transmit digital signals using 8448 Kbit/s interface 2−10968

digital communication systems continued
Radio Subscriber Loop System, business information signal transmission in 26-GHz band using TDMA 2−2690
radio system in presence of interference, comparison of calc. and obs. of performance, multipath f- ading model 2−6758
radio systems, freq. usage and modulation techniques, appls. 2−6748
radiocommunication EMC estimates, effect of fluctuations in signal, interference and noise levels of receivers, digital data transmission 2−10962
radiotelephone system, TD/FDMA scheme 2−11006
radiotelephony, digital microwave links in local distrib. networks, freq. bands, line-of-sight constraints 2−6760
regenerative and conventional satellites, performance of power and bandwidth efficient modulation 2−11067
regenerative satellite communications, transmit power control system 2−26188
road traffic automation, digital integrated telecommunication system decomposition 2−16191
satellite, digital transmission system implementation for the American Satellite Company 2−11032
satellite communication systems, tradeoffs 2−2761
satellite communication technology review *(Italian)* 2−21769
satellite communications, unique word detection method and its error rate performance 2−21795
satellite ground station, for DA-TDMA integrated services network 2−21773
satellites, role in integrated services digital network evolution 2−6521
self-synchronizing pseudo-random bit error detector 2−10648
shipborne digital modular communications system ICS3 2−21442
signal detection problems, error probability calcs. using Fourier-Bessel series 2−2331
signal repeating using digital feedback *(Czech)* 2−16316
Silk, system for integrated local communications *(German)* 2−10945
single channel codec using an intermediate code converter 2−6668
SL-1 integrated digital switching system, installation at Vanderbilt Univ., TN, USA 2−6722
SMPTE component-coded digital video, picture quality assessments 2−16571
SNCF, control of high-speed railway lines 2−26190
SPCT 560 transmission systems, using a 560 Mbit/s regeneration comparator *(French)* 2−16321
speech compression system for adaptive differential PCM with time assignment interpolation, bit-slice microprocessor appl. 2−2267
speech digitising/decoding IC, telephone handset appl. 2−26307
speech transmission in mobile radio, recent developments 2−21752
spread spectrum multiple-access communication systems, bit error probability 2−26071
spread spectrum technology for tactical digital data links, variable-data-rate/variable-jam-resistance concept 2−2725
spread-spectrum, fast synchronisation modem using burst-format message signalling 2−14028
STA 8 digital subscriber connection system 2−6707
staggered quadrature overlapped raised-cosine modulation performance over nonlinear satellite channels 2−2751
stereophonic sound signal transmission *(Japanese)* 2−2874
stored program control PBXs, applns. 2−2624
stored program controlled exchange for telex and data traffic 2−21699
strip line-implemented baseband signal processor for data and dock regeneration of PQM 2−10690
subscriber loop digital signalling and burst isochronous interface 2−2630
subscriber loops, digital transmission, experiments 2−2578
subscriber loops, German Bundespost transition to ISDN 2−6724
SW data transmission systems, digital signal synthesis for frequency-differential phase modulation process *(German)* 2−2664
Swedish integrated services digital network evolution 2−21613
Swedish integrated services digital network evolution and architecture 2−6518
switching systems, digital information technique *(German)* 2−26348
synchronisation method *(Croatian)* 2−16168
synchronisation operation 2−26171
System X, introduction into digital telephone networks 2−2456
TELECOM 1 satellite system integration into ISDN *(French)* 2−21800
telecom ICs, introductory overview and applications to digital exchange systems 2−21704
telecommunication measurement equipment for digital communication systems *(French)* 2−16818
telemetering channel, evaluation of relative error 2−2484
telephone, digital echo canceller, for two-wire subscriber lines 2−16240
telephone exchange, loop testing system 2−10920
telephone exchange lines, 4-wire circuits, digital signal transmission techniques, problems *(German)* 2−6648
telephone extension services using voice switching techniques 2−2575
telephone network, digitalisation, review 2−16032
telephone network, planning and operation 2−10791
telephone network extension, Malta 2−21459
telephone networks, economic and technical aspects 2−2454
telephone networks, effect of digitization on local subscriber loops 2−6538
telephone networks, local area field trials 2−6540
telephone networks, rural, introduction of digital switching 2−2452
telephone subscriber loops, digital transmission expts. 2−26305
telephone subscriber-line circuits and stations associated with digital exchanges and pair-gain sy- stems, transmission parameters 2−6654
telephone subset characts. in integrated services digital network 2−6541
telephone switching systems, digital line interface controller and interaction with switching network 2−16275
telephone systems, digital remote unit integration with SPC digital switch in urban loop plant, pl- anning and administration 2−6726
telephony, digital subscriber line services and signalling, integrated voice/data services 2−16242
telephony, digital subscriber line transmission, comparison of different line codes 2−16241
telephony, line techniques *(German)* 2−21708
telephony, single-channel LSI codec specifications *(Japanese)* 2−6666
telephony, two-wire digital transmission in the loop plant 2−16027
television picture component coding system, experimental 2−21911
three-level balanced code for optical communications systems 2−21852
time-shared two-wire digital subscriber transmission system 2−16028
TN 2700 carrier telephony system, modernization trends, channel multiplication, digital transmission *(Polish)* 2−16043
toll quality residual encoder for speech 2−10913
tone receiver, digital signal processor implementation 2−6655
traffic routing in hybrid analogue-digital network 2−21392

digital communication systems continued
transceiver, for Z 2—11005
transition from analog to integral digital networks 2—15997
transmission aspects in digitalization of subscriber loops *(German)* 2—10882
transmission characteristics for PCM multiplexing equipment using single-channel LSI codecs *(Japanese)* 2—6665
transmission performance monitoring in a multihop digital microwave system 2—6767
transmission planning for integrated voice/data in large private networks 2—21707
transmission rate reudction, code conversion appl. *(Japanese)* 2—15848
transmission system used by German Posts and Telegraph Department *(German)* 2—10755
transmission systems using optical fibres 2—26510
troposcatter, conf., London, 1981 Oct. 2—10969
troposcatter digital link performance prediction, multipath dispersion 2—10508
troposcatter high capacity digital transmission, system design constraints 2—10973
troposcatter links, digital system specifications 2—10971
troposcatter transmission, spectral emission mask for FDM/FM system coordination 2—10972
TTL digital signal processing transmultiplexer design 2—2601
TV, high-quality transmission on optical trunk and subscriber lines in Denmark 2—6935
TV broadcasting, computerised image processing techniques 2—16566
TV broadcasting, Intellect software development tool from Quantel, appls. 2—16567
TV signal transmission with stereo sound using fibre-optic systems *(German)* 2—2942
TV sound accompaniment possibilities multichannel digital sound transmission use *(German)* 2—21904
TV studios appl. of digital signal processing techniques, status, problems and prospects 2—16621
uncommitted logic array, for high bit rate transmission system terminal use 2—21681
undersea fibre optic cable developments 2—21819
universal signalling digital transmultiplexer design, TM 7400-M2 2—2602
urban digital communication networks, optimal network planning 2—2434
video processor, universal 2—21981
Video Response System, an interactive information centre 2—10839
voice communications over telephone lines, objective speech quality meas., simulated algorithm *(Croatian)* 2—16052
voiceband data signal encoding by delta modulation systems, computer simulation, comparison of methods 2—2551
Western Electric Digital Radio Systems, in-service performance 2—6753
worldwide telecommunication networks, evolving structure 2—16050
Yelm Telephone Company USA, digitalisation 2—16047
Cu conductors, for improved speech transmission and simultaneous transmission of telex, teletext and pictures *(German)* 2—16312
Ge avalanche photodiode receiver, sensitivity meas. 2—10153

digital computers
for computer applications see under relevant applications e.g. administrative data processing; computerised control; natural sciences computing see also bit-slice computers; digital systems; electronic calculators; microcomputers; minicomputers; special purpose computers
digital electronics handbook 2—8139
EMC effects, industrial regulatory compliance test team training 2—26002
Josephson junction computer *(Japanese)* 2—9941
uninterruptible power supplies for computer installations 2—27440
usage in educational institutions 2—18901

digital control
see also direct digital control; numerical control
A/D and D/A convertors, implementation 2—14269
analogue divider appl. in meas. and control engineering *(Czech)* 2—14232
asynchronous motors, voltage invertor-fed, with thyristors, digital control cct. *(French)* 2—7836
attitude control design for space appls. 2—22638
automobile digital central electronics *(German)* 2—28195
billets, induction heating plant controlled by digital electronic systems 2—8111
boiler control, utility case history 2—12466
boiler control systems for improving fuel efficiency 2—12467
CIP Gatineau paper mill, electric drive control system for paper machine speed control 2—18635
DC regulated supply, using digitally controlled SCRs 2—24398
DC-sinusoidal invertor for VLF transmitter appl., transistorised power module 2—18357
double slide projector with brightness control on change-over *(German)* 2—19751
electrostatic accelerator control systems developments 2—11739
fission reactor start-up and shut-down using digital hierarchical decentralised information system 2—7693
gas turbines, digital computer control 2—18032
in-flight simulation, effects of digital control 2—17469
lamp brightness, digital control, six-programme panel, thyristor block and remote control *(Russian)* 2—18747
logic automatic system for excitation control of synchronous motors, analysis and synthesis *(Russian)* 2—27893
microprocessor based protective relaying, algorithms and systems 2—3799
microprocessors in electric power systems, present status and applications 2—27399
mirror track radar antenna time optimal control implementation 2—16503
MOTRONIC digital electronic system for integrated control of injection and ignition in Otto carburettor engines *(German)* 2—28194
p-i-n diode π-network attenuator 2—14216
phase-locked loop AFC with microprocessor, features of operation 2—784
pit-head winding motors control systems, principles of speed control *(German)* 2—27883
power station control based on identified process models 2—3935
programmable digital fading control for transparency slide projectors *(German)* 2—14196
PWM, three-phase, charcts. 2—15820
PWM control systems for electromechanical devices, marginal device performance check 2—4318
PWM invertors, digital control by microcomputer, induction motor speed control appls. 2—18363
recovery boiler operations, digital computer control 2—23106

digital control continued
solar line-focus collector, analytical dynamic modelling, control appl. 2—23441
steam turbines, digital governor using microcomputers 2—3942
step motor selection parameters, appl. with open and closed loop digital control systems 2—4247
temperature controller in 6000 series for JFET, report 2—11610
three-phase zero-voltage switching, new digital control schemes 2—28075
Toshiba's PK-60 ENG/EFP colour camera having digital and analogue circuits 2—2929
triacs firing phase angle control 2—7919

digital discs *see video and audio discs*

digital filters
see also multidimensional digital filters; signal processing; wave digital filters
adaptive, sinusoidal noise canceller 2—19805
adaptive digital comb rejector filter for quasi-periodic noise suppression 2—24618
adaptive digital filters, to remove interference 2—6457
ADF, an experimental self-adaptive digital filter 2—24608
audio signal processing, digital filters, props. and advantages 2—16891
banks, nesting implementation 2—24610
binary hierarchy of TV picture quality levels 2—16639
binary tree structured transmultiplexer design 2—6682
CAD and anal. of standard IIR digital filters 2—24612
computer program for calculation of digital filters *(Spanish)* 2—843
concept implementation for student case study using Intel 2920 single-chip signal processor 2—14221
continuous-digital filtering, lower reading freq. limit 2—10696
custom designed digital filter, FAD 2—16914
design, parameter estimation *(Russian)* 2—19794
design principles 2—24614
design with aid freq. sampling *(Czech)* 2—14225
development system for Intel 2920, digital filter implementation example 2—24560
discrete velocity filter design for seismic data processing 2—19800
electrically programmable CCD transversal filter LSI for TV ghost canceller 2—21964
equiripple, nonrecursive, accelerated design procedure 2—19802
error magnitude in numerical display of quantities, effect of limited word length *(Czech)* 2—19803
facet-dependent digital filter for optical bar code scanner 2—14222
fan filters, inherently stable, design technique 2—24609
fast measuring with microcomputers for on-line-weighing 2—22414
FIR, delta-modulation implementation 2—24615
FIR and IIR filtering, VLSI structures and algorithms 2—21362
FIR compensator approach to digital integrator design 2—846
FIR delta modulation, study of performance 2—15898
FIR digital filter design for portable analytical instruments 2—24620
FIR digital filters, phase constraints 2—14219
FIR filters, design using fast method for direct computation of aperiodic convolution 2—21357
FIR with nonlinear phase response, design 2—6434
first-difference approximation design method, 50 Hz notch filter example 2—842
fixed-point arithmetic digital lattice filters, overflow oscillation 2—841
flight simulators, digital sound simulation techniques 2—7370
IIR filter, standard architectures, CAD and anal. 2—24613
IIR maximally flat group delay low-pass digital filters with flat passband 2—19806
IIR Nyquist filter with zero intersymbol interference, freq. response approximation 2—24611
IIR sample-rate alteration filter design method 2—5299
infinite impulse response o/p-decimating state-space digital filter 2—5296
interpolated discrete Fourier transform dual-tone multifrequency receiver with phase criterion 2—6700
linear time invariant causal digital filters, transfer function from real part on unit circle 2—24617
logarithmic processing memory-oriented transmultiplexer architecture and simulation 2—2647
logarithmic processing memory-oriented transmultiplexer model implementation and testing 2—2603
logic gate filter for square-wave pulse train 2—835
low-noise, cost-optimal, new approach to design 2—15895
low-roundoff noise and low sensitivity structures 2—5293
LSI chip designs for digital filters 2—14223
LSI/VLSI developments, appl. to digital filtering 2—15922
maximal slope of a sinusoid and the accurate digital filter 2—14218
median filters, theoretical analysis of properties 2—15893
microcomputer linear programming 2—24619
microprocessor implementation of digital filters 2—14229
modulo-four multiplying circuit appl. 2—14228
MOS IC, for digital filtering and level detection 2—5290
multiconductor power transmission line, digital filter model 2—3770
multifrequency receiver using FIR quadrature filters with window functions 2—6699
multiple VLSI digital signal processing transmultiplexer 2—2605
multiplicative FIR filters, properties and applications 2—15892
multiprocessor digital filters, bandwidth increase technique 2—14230
nonrecursive digital filter realization for flaw detect. in antenna array systems 2—10596
nonrecursive digital processor for filter arithmetic, NMOS LSI 2—5260
Number Theoretic Transforms for high speed convolution 2—5298
PCM codec+filters using noise shaping and digital filters 2—21303
polyphase network and FTT with digital filter bank, meas. and applications 2—6447
power system fault detection by digital techniques 2—22343
power transmission line modelling, applications 2—22874
power transmission line modelling, general theory 2—22873
probability density at o/p of postdetector comb filters, an approx. 2—10697
processor interactions in multiprocessor digital filter algorithms 2—14231
pseudo quadrature mirror filters bank 2—26096
quadrature, linear-phase even-length, impulse response 2—24616
real-time adaptive contrast enhancement 2—15907
recursive, band-pass, real-time appl. *(German)* 2—14226
recursive, design for microprocessor implementation using fixed point arithmetic 2—840
recursive, design of optimal first-order quantizer structure 2—15902
recursive, design using approximation theory 2—19291

digital filters continued
recursive, high-pass, design for real-time appl. *(German)* 2−844
recursive, new class of very low sensitivity and low roundoff noise structs. 2−19795
recursive, second-order, l_m norm bound for state variables 2−19797
recursive, with coeffs. having restricted minimal representation, CAD 2−15900
recursive digital low-pass filters with predetermined phase or group delay and Chebyshev stopband attenuation 2−5291
recursive IIR filter realisation *(German)* 2−19793
recursive polyphase networks, appl. to multirate filtering and digital filter banks 2−5297
recursive polyphase networks with optimum magnitude and minimum phase design 2−6449
reticle system anal. and simulation *(German)* 2−6446
rotated filters, effects of quantisation errors 2−5292
second order digital all-pass transfer function with all possible coefficient combinations 2−19798
second-order direct-form digital filters, controlled rounding arithmetics, elimination of self-sustained oscill. 2−838
signal extremum seeking and estimation by digital optimal linear filtering 2−21328
signal processing algorithms, implementation using microprocessors, conf., London, England (25 Nov. 1981) 2−13171
signed-digit arithmetic circuit appl. 2−14227
smear-desmear filter for improvement of data transmission quality, digital techniques *(Japanese)* 2−6657
spectral transformations 2−6441
speech production model *(Japanese)* 2−10662
speech recognition, vowels, digital filter appls. 2−10668
speech synthesizer using microprocessor *(Japanese)* 2−10663
stable reduced-order adaptive IIR filtering 2−15904
subscriber line card in distributed control switching system 2−2628
synthesis, with limitation for impulse response duration *(Ukrainian)* 2−834
tapped delay line equaliser filters, fast start-up autocorrelation algorithm 2−6640
telecommunication equipment filters, design *(Czech)* 2−16315
temporal filtering using pixel incrementing to improve S/N ratio of TV pictu res 2−2385
time-invariant nonlinear digital filter in ROM, sliding block decoder for convolutional codes 2−2269
time-varying, props. of compatible transform 2−839
transmultiplexer implementation, baseband analytic signal approach 2−6678
tunable recursive, for realizing algorithm for Fourier transformation 2−10694
TV ghost cancelling by LMS-RAT digital filter 2−21957
zero-input limit cycles, accessibility 2−6435

digital instrumentation
see also digital readout; digital voltmeters
AC digital multimeter for level measurement 2−3195
avionic systems microcomputer-aided maintenance 2−12015
balances, automatic, nonlinear theory 2−7013
barometer, battery-operated with digital indication *(German)* 2−7231
biomedical oscilloscope, digital variable persistence, γ-camera appl. 2−11902
bit error rate performance of high density tape recorders for image processing, methods of improving bit error rate 2−12055
broadband survey meter for electric field meas. HI-3001 EMC/EMI, health, safety appl. 2−26051
CALCU Hi TESTER, digital tester with calculator 2−3051
car noise evaluation, digital equipment for real time sound intensity meas. 2−26751
coder for current and voltage pulses of relativistic electron accel erator 2−11424
codes for current and voltage pulses of relativistic electron accelerator 2−16919
communication channel parameter meas. system 2−11415
computerised instruments data handling speeds, increase, by use of memories in instruments 2−16782
contact thermometers, technology, charact s. *(French)* 2−22419
counter decades with operational and long-term memory 2−11409
CRO, 100 MHz, portable, Tektronix 468 with digital storage 2−17038
CRO, 10 MHz, Tektronix 5223, with digital storage and plug-in versatility 2−17040
Data 6000 waveform analyser 2−3101
databus in Mirage 2000 aircraft *(French)* 2−12033
decade counter, reversible, operating at 14 MHz 2−11518
DFCM 500 8-digit freq. and capacitance meter, mains or Ni-Cad battery operation 2−22293
digital electronics handbook 2−8139
digital pulse generator *(German)* 2−19593
digital storage oscilloscope with IEEE bus controller 2−6995
displacement transducer using pseudo random binary sequences and microprocessor 2−22261
DMM, 4-1/2 digit hand-held 2−7130
DMM 4040 microprocessor-based digital multimeter, methods of meas. and facilities *(German)* 2−26873
DVMs and DMMs, market survey and general review 2−17007
electromagnetically compensating weighing cell *(German)* 2−11477
electrometer for high DC voltage meas. *(German)* 2−17063
electrometers, advantages over conventional DMMs 2−22296
EMC effects, industrial regulatory compliance test team training 2−26002
error correction using additive-multiplicative iterative algorithm 2−16755
FD-700 digitalized US test equipment, microcomputer appl., fault testing, precision appl. *(Japanese)* 2−11359
FIR digital filter design for portable analytical instruments 2−24620
frequency counter, 200 MHz, display modification for illumination of relevant decimal points 2−7119
hexadecimal display unit, decoding 4-bit binary number, ICs, LEDs 2−3235
impedance, transients and noise detection method 2−22090
impulse recorder for HV laboratories 2−22290
information extraction and output trends, developments in indicating and recording instrumentation *(German)* 2−3197
iterative algorithms for errors correction 2−16759
Iwatsu oscilloscope with digital storage *(German)* 2−26872

digital instrumentation continued
laser anemometry, shock-wave boundary-layer interaction obs. in wind tunnels 2−11997
level regulator line transmission transfer charact. improvement *(Croatian)* 2−16814
light meter, using LE DPM200 panel meter, digital readout 2−3203
matching device for digital printers connection 2−16920
measuring devices, digital readout appl. 2−3213
micrometer, high-speed, with time conversion 2−26899
micrometer screws, digital error correction *(Polish)* 2−7210
multimeter, 4 1/2 digit, using ICL7135 dual ramp A/D convertor, automatic ranging *(French)* 2−11514
multimeters, appl. to process and machine monitoring 2−7142
multimeters, user's awareness in general development trends 2−7122
multimeters and bridges, review 2−22079
multimeters incorporating microprocessor for automatic calibration, Autocal system *(German)* 2−26875
muscle mechanics, simple digital instrument for time meas. 2−11634
noise temperature meter, microprocessor-controlled 2−11372
operating mechanisms, optical encoding instrument 2−16778
p-n junction, minority carrier lifetime meas. by laser scanning digital system *(Rumanian)* 2−20121
panel digital indicators, review *(French)* 2−17015
panel meters, development, reliability, multi-function semiconductor chip appls. 2−3234
panel meters, range available 2−17011
PCB test instrumentation, DMM appl. 2−17013
phase meter 2−3179
portable digital thermometers, structural design problems *(Russian)* 2−11441
pressure transducer, quartz crystal appl. 2−22265
pressure transmitters, digital techniques 2−11658
Q-factor meas. of AF inductors 2−17114
resistance comparators 2−26937
road traffic overtaking data recording, appl. of video instruments 2−21984
scales, electronic, market and development trends 2−3175
shaft angle measurement, digital encoder *(Chinese)* 2−17125
sine function generator for digital spectrum analyser *(Russian)* 2−16900
slow scan TV digital monitor *(Polish)* 2−21949
swept-freq. RF/microwave meas. automation using digital processing oscilloscope system 2−7199
synthesizer LSi for FM/AM receivers 2−6913
synthesizers, specification requirements for various applications 2−753
tachometer for transient speed meas. 2−7129
taxometer, POLTAX-3 displays distance driven and fare due 2−22214
Tektronix DAS 9100 digital logical analyser, charact s. *(German)* 2−22202
Tektronix TM 5000, function generator, counter, multimeter, interface, computer-instrument controller *(German)* 2−22043
temperature measurement, survey of digital devices *(Russian)* 2−22420
test instruments for electricians and maintenance men 2−22311
thermal conducting of solids meas., automatic device *(Russian)* 2−16797
transducer linearisation, differential transformer type *(Dutch)* 2−26829
transfer function measuring set for meas. automatic control systems *(Czech)* 2−16815
transmission level meter with matched conversion speed *(German)* 2−22295
turbomachinery aerodynamic research, digital data acquisition and anal. system 2−26800
versatile digital storage oscilloscope by Philips, appls. 2−17006
vibration testing using random-process digital simulator 2−16802
video cursor, digital, appl. to frame-by-frame anal. of speaking face 2−26653
weighing machines using electronic technology 2−7223
word/data generators, digital ATE, techniques and appls. *(German)* 2−26721

digital instruments *see digital instrumentation*

digital integrated circuits
see also integrated logic circuits; integrated memory circuits; microprocessor chips
24-channel LSI digital transmultiplexer 2−6675
Alphamap cell library for semicustom IC design 2−14896
AM/FM tuning systems using PLL frequency synthesis, Mitsubishi Electric product 2−19603
analogue telephone switching 2−10917
analogue timer as digital comparator with hysteresis 2−14193
analysers for digital circuits, review 2−22053
automobile microprocessor interfaces 2−18731
basic configurations and appls., book 2−13197
bipolar analogue/digital LSI, process and device technologies, I^2L devices 2−25332
CMOS 4053B chip, as digital level translator *(Italian)* 2−5264
CMOS single-chip speech synthesis LSI, HD61885, principles and features 2−26095
CMOS technology for VLSI, processes, phys. limitations, digital and analogue ccts. 2−20417
COM8004 CRC generator/checker for use with synchronous data link controller protocols 2−9123
conference, Paris, France (Apr. 1981) 2−13149
defect location and detection, by marginal voltage meas. 2−14983
defective chips and multi-chip modules fault diagnosis in an LSSD environment 2−19611
developments, review 2−14042
dielectrically isolated ICs for HV, high temp. appls. and radiation tolerant devices 2−9724
digital avionics systems self-contained testing, parametric relationships 2−22662
digital ICs, array packaging scheme, 1K×10 bit format, partially good chips 2−24470
DP8400, memory system support chip family, including error checking and correcting 2−19657
ESS applications of LSI circuits *(Italian)* 2−16177
fast two-dimensional image recognition systems, problems of microelectronics 2−788
four-bit successive approximation register IC design 2−899
GaAs monolithic ICs, review *(Czech)* 2−15017
GDPEE 9365 general purpose graphic processor 2−7037
gigabit electronics appls., signal processing, Josephson technology, monolithic ICs *(German)* 2−5783
high-speed digital LSI circuitry, packaging considerations 2−9060

digital integrated circuits continued
high-speed digital VLSI, packaging, requirements and potential trade-offs 2−19607
in-circuit test techniques applied to complex digital assemblies 2−19955
interactive test pattern generation, possible tools *(French)* 2−14933
Josephson technology applics., review 2−15270
key encoder and BCD display ICs by National Semiconductor 2−19755
light sensitive marginal voltage technique for the location of defects in digital microcircuits 2−1427
light sensitive marginal voltage technique for the location of defects in digital microcircuits 2−19052
LSI ATE, fault detection and isolation in board systems 2−11351
LSI custom digital circuits, testing methods and equipment 2−14964
LSI digital signal processor 2−19757
microelectronics, present and future, review *(Czech)* 2−9678
microstrip medium for microwave and digital ccts., CAD techniques, book 2−23873
Mitel's touch tone decoder chip set, using MT8860/5 ICs 2−26303
MOS, for digital filtering and level detection 2−5290
MOS digital LSI ccts., stroboscopic SEM with travelling blanking pulse 2−25340
MOS universal asynchronous receiver/transmitter on-chip bit-rate generator *(German)* 2−19745
MT8980, digital switching chip for telecommunications 2−6661
multifunction digital signal processing chip, 40 MHz, using NMOS technology 2−19758
multiple VLSI digital signal processing transmultiplexer 2−2605
NMOS linear photodiode arrays, for autofocus system for lens shutter cameras 2−20708
organ, using Siemens MOS tone generator *(German)* 2−11275
PMOS VLSI design course with an NMOS text 2−9746
regenerator, capable of operation in 2 to 320 Mbit/s range 2−21853
SAMSON simulation system, synchronous/asynchronous mixed mode simulation of VLSI ccts. 2−790
self-test method, features and implementation 2−19610
solid-state circuits conference, Freiburg, Germany (Sept. 1981) 2−18869
speech synthesis ICs, methods based on (AD)PCM, LPC, delta modulation and parametric waveform coding *(Czech)* 2−21323
speech synthesis ICs, test strategy development for functional testing 2−19759
subscriber line card in distributed control switching system 2−2628
synthesizer LSi for FM/AM receivers 2−6913
testing, automatic logic circuit testing methods development *(Italian)* 2−5170
testing, LSI, MSI and SSI configurations, generation and optimisation of test series in man-machine dialogue *(German)* 2−5179
TV receiver integrated circuits for signal processing *(German)* 2−11198
universal asynchronous receiver/transmitters, use with serial RS232 port 2−19747
universal digital clock-counter chip using TTL and MOS circuitry *(German)* 2−19756
VLSI, semi-custom IC fabrication for digital systems 2−14930
VLSI impacts on computer hardware architecture, interconnects, intrachip and interchip 2−19609
VLSI self-testing based on syndrome techniques 2−20379
VLSI technology, conf., Maui, HI, USA (Sept. 1981) 2−18870
VLSI technology for computers, problems in creation of element base 2−5184
VLSI testing, conf. Philadelphia, PA, USA, October 27-29 (1981) 2−18875
GaAs *(French)* 2−14040
GaAs digital ICs for high-speed signal processing 2−24578
GaAs, digital monolithic IC development *(Czech)* 2−9739
GaAs, IC fabrication, selective epitaxy and electron beam lithography 2−5823
GaAs LSI digital IC, review 2−15012
GaAs MESFET digital ICs for very high speed freq. division 2−9061
GaAs Schottky diode FET logic ICs, special considerations in probing and packaging 2−25365
GaAs, sub-μm transistor gate, electron-beam/optical hybrid lithog. 2−20405
Nb-amorphous Si-Nb Josephson digital devices, upset events under α-particle irradiation 2−15244

digital readout
see also digital instrumentation
barometer, using Si pressure sensor for battery operation 2−22433
Bucharest telephone directory data bank system and dialogues with digital display *(Rumanian)* 2−26210
electronic thermometer with digital display/, 1N4002 diode sensor 2−3115
measuring devices, digital readout appl. 2−3213
panel digital indicators, review *(French)* 2−17015

digital signals
audio recording techniques 2−26672
binary coded signal performance, effect of pulse shapes on Miller, Manchester and CRL codes 2−2270
broadcasting via satellite channel, design choices *(French)* 2−21917
coaxial cable crosstalk reduction due to random assembling *(Japanese)* 2−21418
colour TV receiver digitalisation, using VLSI MOS ccts. *(Spanish)* 2−26620
computational complexity theory, appl. to digital signal processing 2−10617
FFT algorithm and digital processing unit *(Rumanian)* 2−19391
flow signal conversion meas., digital processing methods *(German)* 2−22439
FM radio broadcasting, digital station and programme identification message 2−11142
full decision feedback phase-locked loop, microprocessor-based implementation 2−14035
multiplexing equipment for PCM 30 D network *(German)* 2−26318
passive delay module for digital signals *(German)* 2−5165
radar display processing unit, time-compression, interleaved-trace S/N loss avoidance 2−6856
radio techniques, multipath fading performance comparison 2−6749
random pulse removal from transmitted logic signal 2−6631
recording of acoustic signals, quantisation, encoding *(Czech)* 2−3015
recursive IIR filter realisation *(German)* 2−19793
satellite repeater system coded and uncoded performance, cumulative hardware distortion effects 2−2758

digital signals continued
signal recognition from spectrum on basis of digital experimental functions *(Russian)* 2−26122
signal repeating using digital feedback *(Czech)* 2−16316
space diversity combining of narrow-band digital signals in the presence of interference 2−2674
subscriber loop digital signalling and burst isochronous interface 2−2630
ternary partial response signalling for digital magnetic recording 2−2249
third-order intermodulation due to quantization for digital processing of input consisting of strong signal and weak signal 2−2333
TV display generator and video countdown programmer for digital data insertion appls. 2−11254
TV studios appl. of digital signal processing techniques, status, problems and prospects 2−16621
waveform distortions in digital audio recording systems *(Dutch)* 2−16733

digital simulation
see also virtual machines
1.2 MV circuit-breaker development for gas-insulated substations 2−18398
3-phase, digital model for magnetic circuit design and optimisation calcs. *(Rumanian)* 2−27914
3-phase power networks sequentially developed electrical faults digital simulation 2−27400
40 MHz bandlimited nonlinear QPSK satellite channel uplink noise effect simulation 2−6806
300 MW turboalternator, short cct. tests on dynamic torsional response 2−4025
acicular particles, coercivity and packing density 2−15210
acoustic space parameter simulation *(German)* 2−22001
adaptive differential PCM, signal-to-quantisation noise ratios, computer simulation 2−26076
adaptive routing protocols for computer network linking tactical radar sites 2−6628
advanced aircraft electrical system simulation programs 2−3568
advanced dispatcher training simulator, digital computer-based 2−22828
aircraft electric generating system simulation by Sceptre program 2−3567
aircraft event insertion panel and software for digital simulation 2−7372
aircraft propulsion system, real-time simulation approach using parallel processing 2−27245
aircraft vibration environments simulation, strapdown inertial navigation development 2−17499
alternator-rectifier excitation system models and verification tests 2−18344
AMRAAM missile system simulation, Continuous Discrete Simulation Programming System, FORTRAN routines 2−3540
analogue level stabiliser for noise-distorted signals, digital modelling *(Russian)* 2−26114
angular vehicle crosswind gusts dynamic response 2−13005
anharmonic oscillator Schrodinger equation numerical anal. 2−13659
antiproton prod. within fixed acceptance, optimisation and efficiency 2−22462
aquifer compressed air energy storage model 2−12519
aquifer field test for compressed air energy storage 2−12520
asynchronous electric motor with thyristor control modelling *(Russian)* 2−4119
asynchronous machine electro-mechanical transient calcs., using models *(German)* 2−18243
asynchronous motors dynamic torsional loads digital simulation during non-simultaneous switching *(German)* 2−12648
automatic generation control of interconnected power systems/ using variable structure controllers/ 2−3692
automotive internal combustion engines, 3D anal. of flow and combustion 2−13781
beam tetrode computer simulation, physical process studies 2−24861
bipolar microwave transistors, modelling with simulating program SPICE *(German)* 2−1347
bipolar power transistors, modelling for CAD 2−1362
bipolar transistor, two-dimensional, numerical simulation of transient processes 2−14849
boiler heat transfer modelling, sootblower control appl. 2−12497
boiler spherical combustion chamber model 2−17935
BWR, nodal methods for three-dimensional simulator 2−23052
BWR turbine trip tests in conjunction with RETRAN analysis 2−3876
cable models, finite segment, fluid force representation Lagrange equations 2−13739
CANDU simulators, instructor facility tools to evaluate trainee performance 2−23034
chemical engineering, extraction column simulation 2−4915
chopper fed DC motor drive system, steady state performance simulation 2−8028
circuit and timing simulation programs, algorithmic passivity, stability of numerical integration algorithms 2−660
circuit simulation programs 2−24360
clinical trials, sequential comparison of two exponential distributions with censored survival data 2−13449
coal fired power plant, optimum size selection using computer modelling system 2−7717
coded 8PSK signaling performance for satellite communications, computer simulation 2−2288
colour TV signals, time-frequency multiplexing 2−11149
commutatorless electric motor performance anal. 2−4017
computer generated images, used for simulators, training aids *(French)* 2−11986
computer models in operations planning 2−18967
computer simulation of DC machines 2−4233
concentrating photovoltaic-thermal systems vs. side-by-side systems, cost effectiveness 2−23553
CONDES, electrical network simulation, operating characteristics *(German)* 2−658
continuous power controller output stage operation *(Spanish)* 2−24400
crossed-field tubes, computer modelling 2−1112
crosstalk simulation in satellite video transmission 2−6349
cycloconvertor driven, induction motor performance anal. 2−4171
cycloconvertor driven, induction motor performance anal. 2−4172
DC permanent magnet machines, electronically commutated, digital simulation of power conditioner-machine interaction 2−27939
design aid for DC motor, thyristor control type with field weakening control *(Japanese)* 2−4216
diagnostic testing, unit-under-test modelling 2−22125
DIANA, circuit simulation program 2−24361

digital simulation continued
diesel generator standby systems for nuclear power plants availability study 2−27774
differential line receivers, computer simulation of electromagnetic interference effects 2−21131
differential sampling gate convertor simulation for improvements 2−24633
digital simulation of synchronous generator feeding dynamic DC load 2−18203
DIGSIM II, advanced graphics interface for VLSI MOS models 2−1461
dipole magnetic calc. for vel. filter SHIP and fusion expts. computer simulation 2−3432
discontinuous mathematical model of squirrel case asynchronous motors 2−7862
district heating power stations, optimum thermal load sharing, computer models *(German)* 2−3907
DME/DME, area navigation appls., fix geometry, aircraft/environment computer simulation 2−16525
doubly thyristor fed, synchronous motor linear model 2−18181
Dresden University IC applications and research group progress report *(German)* 2−1460
dual-excited synchronous generator stability model 2−4085
DWR synchronous generator, transients calc. model 2−4084
dynamic circuitry testing, static automatic test program generators appl. 2−24471
dynamic model for the simulation of the switching properties of thyristors 2−4398
efficient method for real-time simulation of large power system disturbances 2−27387
elastic-plastic torsion differential equation model 2−13754
electric arc, thermal processes digital simulation, and turbogenerator shaft damage *(Czech)* 2−12584
electric drives, complete subsystem convertor cascade with 6/12-pulse feedback system 2−23665
electric power system state-estimation accuracy, judging function appl. 2−22827
electrical distribution cables, numerical model for simulation, curing rat es 2−22925
electrical distribution cables processing, numerical model for simulation, heat and mass transfer 2−22924
electrohydraulic servovalve modelling *(French)* 2−7959
electron beam writing strategies and resist development effects, exploration 2−9683
electron guns with adjustable beam compression and perveance, design by computer simulation 2−1101
electron-beam lithography for small MOSFETs using multilevel resist structure 2−9732
electronic design automation, conf., London, England (Sept. 1981) 2−18
electronic micro machine simulation 2−4072
electronic solid-state switch, automatic protection for spacecraft high-power lines 2−22692
EM transients, NETOMAC simulation program: differential admittance method with continuous and discontinuous systems *(German)* 2−3789
engineering management of desalination plants in Saudi Arabia using fuzzy decision analysis 2−18916
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems, design and construction 2−3871
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems 2−3874
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems, design and construction 2−7684
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems 2−7686
error proofness of communication systems, simulation *(Russian)* 2−21253
filter codec transmission parameter tests algorithms, results and lower bound estimates 2−21693
flexibile spacecraft, altitude estimation and control using inertial and optical measurements 2−7361
flexible mag. bubble simulation, memory chip application 2−1585
fluid transmission system for wave energy converters 2−23170
fossil fueled generating plants, model algorithmic control 2−12491
functional level digital fault simulation for automatic test pattern generation 2−1437
garnet films, implanted bubble, dynamics of formation of statically stable 2Π Bloch lines 2−15143
gas dynamics partial differential equations 2−13771
gas turbine control system model 2−12510
gas-filled spark gap triggered RLC ccts. 2−14599
gasturbine engine computer model validation, fuel control system designers approach 2−23148
general-purpose system for simulating and training complex diagnosis and troubleshooting tasks 2−18908
Global Positioning System satellite receiver, simulation and software verification 2−16529
hardware fault propagation characterisation as simple Markov process 2−150
heavy ion beams for ICF, space charge induced emittance growth 2−3323
heliostat characterisation at solar central receiver test facility, Albuquerque, USA 2−7780
HF channel simulator, serial and parallel modem comparison 2−2586
high-throughput electron-beam lithography, mutual repulsion effects, computer Monte Carlo simulation 2−20308
homing missile guidance systems anal., Statistical Linearization odjoint method for nonlinear systems, computer tool 2−7368
hybrid companding delta modulation digital coding system, digital simulation of performance, speech coding appl. 2−2266
hydroelectric plant, production schedules, short-term plans, computer simulation 2−3954
hysteresis motors, small, instrumentation, performance and numerical simulation of behaviour 2−18284
I^2L transistor circuits ILSIM simulation and test program *(German)* 2−24497
I-G SPICE and SUPER-SCEPTRE cct. CAD and simulation programs 2−19507
IC process modelling with simulation program SAMPLE 2−9720
improvement of low current interrupting capability in self-interruption GCB 2−28061
induction motor rotor slot influence and starting phenomenon model 2−7858
induction motor saturation and transients calc. model 2−7859
induction motor star-delta switching performance during starting 2−7835
digital simulation continued
induction motor variable-frequency speed control using PLL technique, time domain model and digital simulation 2−12758
induction motors starting transients digital simulation 2−4198
industrial systems involving maintenance and repair, computer simulation 2−4752
injection laser modulation dynamics, large-signal circuit model for simulation 2−1950
integrated CAD/CAM system using a relational data base 2−89
integrated coal gasification-combined cycle power plant based on moving bed gasifier, study 2−12487
INTELSAT V and VI type TDMA/QPSK system, computer simulation 2−21809
interactive communications systems simulation model 2−6526
interconnected power systems, travelling waves, digital anal. using Schnyder-Bergeron graphical method 2−27452
invertor driven induction motor, performance anal. 2−4167
invertor driven induction motor, PWM performance anal. 2−4166
invertor driven induction motor, PWM performance anal. 2−4168
invertor driven induction motor, PWM performance anal. 2−4170
invertor driven squirrel-cage induction motor, PWM performance anal. 2−4173
invertor fed synchronous motor excitation control and performance anal. 2−18204
ion beam exposures profiles in PMMA, computer simulation 2−25117
James Bay hydroelectric project, simulation modelling 2−3969
jet stream fluidine model 2−12443
Josephson junctions, chaos and noise rise, digital computer simulations 2−9912
Josephson transmission line, pulse response props. and appl. to logic circuits 2−14074
Josephson tunnel junction, current-voltage curve simulation for finite capacitance 2−1611
Kalman filters, digitally implemented performance degradation analysis 2−6427
laser annealing of Si, computer model of lattice temp., carrier conc. and temp. 2−25127
liquid photovoltaic/thermal collectors for residential applications 2−23551
local ring network for integrated data and voice traffic *(Italian)* 2−21624
logarithmic processing memory-oriented transmultiplexer architecture and simulation 2−2647
logic functional level simulation in FANSIM3 2−1436
logic simulator development, using small (PDP-11) computer 2−9091
LSI PC testing, LASAR software enhancement 2−22056
MADSSIM program, used for minicomputer complex digital cct. simulation *(Danish)* 2−19501
magnetic bubble devices, dual conductor current access, computer simulation 2−15225
magnetoelectric step motor, simulation using ODRA 1304 computer *(Polish)* 2−7883
magnetohydrodynamic steam power plant dynamics 2−12495
marine electromechanical drive systems 2−13040
methanation of CO and CO_2 for heat production 2−7608
MF invertors, system analysis for appl. to information processing *(German)* 2−28007
MHD power consolidation DC to AC invertor system 2−23651
MHD/steam power plants, real-time simulation by digital parallel processors 2−23140
microprocessor-controlled nuclear steam supply system simulator for evaluation and training 2−17914
microprocessors interacting with shared resources, simulation for image processing system 2−6469
military command, control networks 2−21426
MIM cathode, modelling of electron emission 2−9358
missile guidance system simulation for the '80s 2−3542
mobile radio system, rearrangement algorithm 2−11009
Modular Interactive Network Designer software for telecommunications networks 2−2405
Monte Carlo simulation, variability, empirical study 2−16449
MOS IC static equation representation *(Russian)* 2−5811
MOS ICs, logic simulation based on information from masks 2−25362
MOS integrated circuits, timing, logic, and mixed mode simulation is SPLICE 2−25366
MOS structures, nonuniformly doped, ideal C-V curves calc. 2−20151
MOS transistor model for computer simulation, accurate over wide current range *(French, German)* 2−25218
MOS transistor technology simulation *(German)* 2−14526
MOSFET, short channel, parameter sensitivity determ., numerical simulation 2−25255
MOTIS system, mixed-mode simulation for MOS LSI design 2−19634
multi-machine networks, mathematical model for static stability *(German)* 2−27370
multilayer solid rotor squirrel-cage rotor performance anal. 2−7863
multipole conductor systems with freq. dependent parameters, digital determ. of rapid transient processes *(German)* 2−12220
natural gas transmission and distribution systems, demand modelling 2−22915
nonlinear digital satellite links, analytical simulation 2−16446
nonlinear TDMA environment, pulse shaping techniques performance 2−2252
nonlinear wideband satellite links, noise characterisation in simulation 2−16447
nonsinusoidal current source invertor fed, synchronous motor, performance anal. 2−18208
nuclear power plant availability improvement, transient analysis model 2−17869
nuclear power plant simulators, human factors design of instructor's console 2−23033
nuclear power plant training simulators 2−23035
nuclear power plants, Nordic cooperation project on man machine communication 2−7637
open winding microprocessor-based invertor fed, synchronous motor, performance anal. 2−18209
optimised electron-beam lithographic process 2−9694
orbital image sensor geometry simulation, in FORTRAN 2−12063
PATRIOT Guidance Test and Simulation Facility, hardware-on-the-loop missile system simulation in real time 2−7369
permanent magnet synchronous motors, digital computer simulation of dynamic performance 2−18217
photodetectors, position sensitive, effects causing nonlinear position response 2−22273

digital simulation continued
photovoltaic arrays, effects of cell sorting and module matching on array output 2−23554
photovoltaic cells, parabolic trough, technique for comparison 2−18577
photovoltaic power systems, scaled down, hardware simulation 2−12553
photovoltaic power systems, simulation and design 2−23555
photovoltaic systems, stand-alone residential parametric anal. and SOLSTER simulation model 2−23556
PLA simulator 2−5194
pole-changing induction motors, transient states anal. *(Polish)* 2−18230
power plant reliability determ. using digital simulation methods *(Slovak)* 2−3810
power system contingency simulation using array processor 2−22856
power system emergency control, multiprocessor static state estimation 2−27448
power system expected energy and reliability indices calc., two algorithms *(Korean)* 2−7498
power system hybrid simulator for dynamic anal., experience 2−7468
power system simulator for load dispatcher, discrete dynamic model 2−12172
power system stabilization via excitation control of two-axis synchronous generators 2−7492
Prandtl integral equations, discrete vortices method solution 2−8785
predicting performance of gas turbine power systems, use of computer programs 2−27763
pressurisation transients in BWR, RAMONA computer code simulations 2−12364
protocol simulation, software engineering appl. 2−21594
pulse current invertor fed induction motor, transient differential equation model 2−4184
pump-turbine boundary conditions modelling in pumped storage scheme simulation 2−23194
PWR simulated geometries, heat transfer and two-phase flow, computer program 2−3872
PWR simulated geometries, heat transfer and two-phase flow, computer program 2−7685
PWR transient tests for verifying reactor system transient analysis computer codes 2−3877
PWR transient tests for verifying reactor system transient analysis computer codes 2−7688
quartz watches accuracy assessment, digital simulation based on Monte Carlo method 2−25393
random paths and random surfaces on digital computer 2−13433
rapid transmit systems, dynamic behaviour of controlled permanent lift magnets *(German)* 2−23681
real time digital simulator for testing the control system of the solar power plant 2−7778
recording heads, modelling 3D magnetostatic fields 2−20508
recording on magnetic tape, digital *(Polish)* 2−1574
relay protection, effect on loads, shunts and system uncertainties on short circuit relays settings 2−17670
reticle system anal. and simulation *(German)* 2−6446
RETRAN-02 computer-code for best-estimate analysis of LWR systems 2−3875
RETRAN-02 computer-code for best-estimate analysis of LWR systems 2−7687
rod lengthwise shock Boltzmann Volterra equations 2−4965
rolling contact finite element model 2−8733
room acoustics, digital simulation system *(German)* 2−27319
SAMSON simulation system, synchronous/asynchronous mixed mode simulation of VLSI ccts. 2−790
satellite anomalous attitude motion computing 2−22600
satellite based radionavigation system, GPS, software testing, emulation based simulation facility 2−21879
SCAT, System Control Analysis and Training tool for communications networks 2−18910
Schottky diodes, temp. dependence of peak heights in DLTS, computer simulation 2−9614
secondary reactive power-voltage control in a hierarchical control scheme *(German)* 2−7470
self-powered neutron detector construction and exptl. results *(German)* 2−11841
semi hard mag. materials, digital simulation of hysteresis processes 2−18282
semiconductor devices simulation using program system ZANAL *(German)* 2−25168
semiconductor hyperabrupt devices, determ. of initial mesh for computer simulation 2−9602
semiconductor structures and devices, physical modelling 2−1329
simple Stirling engine for classroom use 2−12442
simulation of a multiprocessor network for power system problems 2−27384
simulation of a velocity control electrohydraulic servomechanism with pulse-width control *(Slovenian)* 2−6386
simulation of AC machines by SPICE program 2−4108
Solar Array Manufacturing Industry Simulation program for photovoltaic modules, user evaluation 2−23578
solar circuit, online parameter estimation using microcomputer 2−7782
solar heating and cooling simulation programs for electric utilities 2−12180
solar heating and cooling simulation programs for electric utilities, assessment and evaluation project, five major activities 2−12181
solar salt-gradient pond surface convective layer numerical model 2−8765
solid-state pressure sensor, SENSIM simulation program 2−22235
sonar systems, fish abundance meas. appl. 2−27292
SOS VLSI fabrication by ion implantation, SUPREM-like 2D process simulator, field implant redistrib. 2−20426
speech isolation, formulation by generalised inverse of matrices in freq. domain 2−21320
spread spectrum communications systems, COMSIM 1 digital computer simulator, design and struct. 2−2673
squirrel-cage motor transient behaviour digital simulation 2−4209
squirrel-cage motors, 3-phase, symmetrical, with double rotor bars simulation under dynamic conditions *(Chinese)* 2−23301
standard IIR digital filters, CAD and anal. 2−24612
state-space modeling of transmission line dynamics via nonlinear optimization 2−22935
steam turbine operation optimisation in industrial power station *(German)* 2−23107
Stirling engine performance anal., hyperbolic partial differential equations model 2−12449
digital simulation continued
Stirling engines performance anal. 2−12448
storage oscilloscope simulation in BASIC 2−17003
storage rings, nonlinear coherent effects between bunched colliding beam 2−3325
superconducting AC generator torque model 2−7834
superconducting alternator equivalent circuit model 2−4077
superconducting circuit interconnections, lumped inductance effect on ultrafast switching signal propag. characts. 2−19623
switched capacitor MOSLSI networks, simulation with DIANA 2−24362
switched-capacitor networks, frequency-domain anal. using continuous-time two-port equivalents 2−5076
switches, ICA type, 7.2 kV/400 A, for fire damp-proof cell, electric field distribution anal. *(Rumanian)* 2−28052
synchronous machine, salient-pole, EM fields, digital computer model 2−18191
synthetic tomography, computer evaluation, ultrasound imaging using multi-element transducers 2−27312
system simulation using particles, book 2−13147
tactical communications model 2−6525
telecommunication network design by topological optimisation and performance simulation 2−2404
telemetering, multi-stage commutation systems controlled by microcomputers, FORTRAN, simulation *(German)* 2−26246
telephony, two-wire digital transmission in the loop plant 2−16027
thermal radiation flow measuring system simulation *(Russian)* 2−3292
thermionic combustor application to combined gas and steam turbine power plants 2−12506
thyristor convertors, equivalent circuits, computer analysis *(Russian)* 2−18318
thyristor driven separately excited DC motor SUPER SCEPTRE program 2−4230
time assignment speech interpolation technique, private line voice concentrator, performance anal. 2−2317
transformer feeders simulation following switching operations 2−12695
transient analysis of solar air heaters using a finite difference technique 2−19343
transient recovery voltage anal. and computer model of 115 kV elec. system 2−12190
turbine-generator loss-of-life analysis after faulty synchronisation 2−23282
turbogenerator slot leakage inductances numerical calc. model 2−4093
variable structure control of electric power generation 2−27388
vibration testing using random-process digital simulator 2−16802
VLF signals propagation simulator, above and below sea level 2−21110
VLSI, role of test chips in coordinating logic and cct. design, and layout aids 2−9740
VLSI, tester and test technology *(Japanese)* 2−20336
VLSI, third-generation simulation techniques, review 2−5067
VLSI circuits, design aids, Advanced Study Institute, Urbino, Italy, 21 July-1 August 1980 2−23897
VLSI circuits CAD layout and design techniques *(Swedish)* 2−25282
VLSI design 2−5769
VLSI lithography, resolution and linewidth tolerances in electron beam and optical projection lithography 2−9684
VLSI modelling and simulation using APL programs 2−25277
VLSI pattern generation, high-current variable-shaped electron beam forming, space charge effect 2−20307
VLSI submicron MOSFET design using SUBMODAN process/device simulation system 2−20425
voiceband data signal encoding by delta modulation systems, computer simulation, comparison of methods 2−2551
wave digital filter transmultiplexer simulation and testing 2−6680
wave propagation differential equations finite difference solution 2−13770
weapon delivery simulation, with airborne data acquisition and ground-based processing 2−17496
wind energy conversion systems simulation for electric utility appl. 2−23234
wind power plants incorporation and impact in generation expansion planning 2−17671
wind turbine generators, dynamic response prediction by generalised simulation model 2−18139
WOBBELFIX circuit simulation program for network analysis, PC100 version *(German)* 2−5062
X-ray lithography, computer simulations of resist profiles 2−25306
Ar, electron swarm parameters 2−14551
GaAs films, epitaxial growth simulation 2−5005
I laser, photolytic, nuclear pumped, photon transport computer code simulation 2−25693
Kr, electron swarm parameters 2−14551
KrF laser, electron beam excited, output performance, computer simulation 2−25691
Si n-i-p solar cells, computer model 2−23557
Si solar cells operating under medium solar concentration, structure optimisation 2−4370
Si surface-barrier detectors, proton-induced nuclear reactions 2−17247
V_3Si, defect structures determ. by ion channelling and X-ray diffr. 2−25442

digital simulation of computers *see virtual machines*

digital storage
see also cellular arrays; content-addressable storage; cryoelectric stores; cryotrons; magnetic storage; optical storage; parallel access storage; random-access storage; read-only storage; semiconductor storage; storage units
avionic subsystem maintenance information storage by electronic nameplate 2−3558
beam-line multiwire proportional chambers memory system 2−27081
buffer memory design, moving picture CRT display in telecontrol system appl. *(Japanese)* 2−17053
byte error correction codes, main memory appl. *(Japanese)* 2−16161
CRO automatic measuring systems, digital signal storage *(German)* 2−22301
decimal digits storage with ASCII code output, using RAMs 2−24577
DMS-6430 digital memoryscope, using sampling waveform memory 2−7136
dynamic differential sense amplifier register for memory appls. 2−24414
embedded memory testing system, using software-controllable algorithm pattern generator 2−6998
FM synthesizer-tuner with automatic sender identification, using microcomputer, digital storage *(German)* 2−26614

digital storage continued
information systems VSLI, memory and print technology *(Italian)* 2−18846
integrated communication and control systems, and microprocessor controlled displays 2−22170
mapping a 1-out-of-8 code into the integers 1 to 8 2−6404
mass memory system for large scale software file maintenance, data communication systems appl. *(Japanese)* 2−6594
memory output level, access time testing, using flip-flop ICs *(Italian)* 2−19662
microprocessor impaction data storage, processing and transmission *(French)* 2−21427
microprocessor to memory connection 2−14133
Model 3652 wave memorizer, using 16 channels, flexible memory, ADC, CRT screen 2−7137
mutilievel image compression algorithm, predictive encoding 2−26113
oscilloscope, features CCD for A/D conversion, microprocessor control 2−7116
oscilloscope with profiled peristaltic charge coupled device *(German)* 2−26890
PNP-Harper cell memory, compensated switchable read-write reference voltage generator 2−24533
quasi-insensitive memory sense amplifier to dotting and wiring capacitance 2−24415
solid-state memory development in IBM, review 2−19664
Tektronix 468 digital storage oscilloscope, used for TV system timing measurements 2−22299
VP-3660A logic analyser, using data storage; characts. 2−7062
Nb_2O_5-based thick film functional devices, non-volatile memory 2−1056
RuO_2-based electrochemical light switch 2−10071

digital systems
see also computer networks; digital computers; multi-access systems; multiprocessing systems; real-time systems; sampled data systems; time-sharing systems
automatic synthesis of digital systems, review 2−5066
broadcasting technology for 1980s 2−26593
design automation in IBM 2−19502
electroreflectance meas. in vacuum UV region using digital detector systems and H discharge tube *(Japanese)* 2−17151
interuniversity computer networks development in Japan 2−2540
logic automatic system for excitation control of synchronous motors, analysis and synthesis *(Russian)* 2−27893
new FFT-based digital frequency relay for load shedding 2−27574
power supply voltages monitoring 2−24573
prototype of multiprocessor based distance relay 2−27575
Tektronix DAS 9100 digital analysis system, using logic analysis, pattern generation 2−26804
testing, review 2−5787

digital voltmeters
$2^1/_2$ digit device composed of readily available components 2−7123
12-bit A/D convertor with display driver=33/4 digit voltmeter *(French)* 2−14186
AC, based on monolithic small-signal RMS rectifier *(German)* 2−5083
amplifier with absolute value *(Italian)* 2−7125
automatic digital voltmeter *(Italian)* 2−3188
autoranging, microprocessor-based, without range resistors 2−17017
Bourns 3682 digital potentiometer, controls variable timer 2−9174
calculator appl. as counter and display *(Spanish)* 2−3210
construction from 12-bit A/D convertor and display driver IC 2−11510
Daton 1061/1071 digital voltmeter range with microprocessor control, high accuracy/resolution *(German)* 2−26874
DC, A/D convertor noise suppression method *(Russian)* 2−3107
hand-held digital multimeter selection guidelines 2−3184
interface cards for IEC standard bus 2−11517
interface cards for IEC standard bus 2−17018
MC 1433 A/D convertor used for $3^1/_2$ digit autoranging DVM *(Italian)* 2−22298
minicomputer calibration 2−22089
multimeters, Matsushita VP-2500A, safety and novel functions *(Italian)* 2−7118
test programs for verifying operation DVMs *(Spanish)* 2−3211

digitisers *see analogue-digital conversion*

digraphs *see directed graphs*

dilatometers *see extensometers*

dimensions
numerical quantities, dimensional analysis 2−11315

Dingle temperature
n-InSb, Landau levels nonthermal broadening, transverse magnetoresist. and photomag. effect 2−5560

diode lasers *see semiconductor junction lasers*

diode sputtering
thin film, plasmatron sputtered system for hybrid circuits 2−14530
Al metallisation of MOS devices, effect of H_2-Ar mixing 2−1320

diode-transistor logic
see also logic circuits
No entries

diode tubes *see diodes*

diodes
see also plasma diodes; rectifier tubes; rectifiers; semiconductor diodes
conductance and capacitance meas., computer-assisted system using phase sensitive technique 2−22075
crossed field diode current fluctuations, self consistent theory 2−24864
current oscillations, conditions of occurrence and freq. at virtual cathode 2−14567
digital displaying diodes, TDM oepration *(German)* 2−7031
foilless diodes, analytic and numerical studies 2−1114
high current relativistic electron accelerators, vacuum diodes, stability of operation 2−27016
impedance of a diode with a multispike explosive-emission cathode/ 2−1110
laboratory manual, book 2−25257
linear diode detector of CW AM signals, analysis of steady-state mode 2−10695
microwave amplification by virtue of the space-time similarity/ of the electric-field and emission-current distributions 2−1118
microwave multiple-diode ladder oscillator 2−9026
planar thermionic diodes with patchy cathodes, I-V characteristics 2−24858
relativistic planar diode in a magnetic field 2−1108
stud-mounted diodes mounting to PCBs using heat sink 2−5469
test instrumentation for fast HV semiconductor devices 2−20237
Au discontinuous film in point-contact diodes, switching 2−983
He filled diodes, electric breakdown initiated by long-lived metastable states *(Croatian)* 2−5524
Kr filled diodes, electric breakdown initiated by long-lived metastable states *(Croatian)* 2−5524
Si:H, amorphous, electrical characterisation 2−23445

dipole antennas
adaptive array of two pairs of crossed dipoles, polarization sensitivity, calc. 2−2185
broadband equivalent circuits, positive-real function props. of cct. admittances 2−2184
crossed dipole antenna arrays, influence of lattice geometry on EM wave transmission 2−21203
dipole antenna current distrib., calcs. based on modified King-Middleton approx. 2−2192
discrete image representation for dipoles near dissipative Earth 2−25930
discrete plus continuous image representation for dipoles near dissipative Earth 2−25931
EFM 5 monitor for RF leakage meas., 200 kHz to 1 GHz range, industrial, consumer devices appl. 2−26050
finite length dipoles above stratified planar structures for medical therapy and diagnostics 2−21221
folded, cross-spectral densities of array elements 2−10548
folded and T-matched dipole transformation ratio 2−21201
HI-3001 broadband survey meter for electric field meas. EMC/EMI, health, safety appl. 2−26051
HR-5 5-band rotary HF antenna, 14 to 29.7 MHz home construction details 2−15769
input impedance of dipole parallel to edge of wedge 2−21211
isotropic E-field probe radiation monitor, EFM 5, 0.2 to 1000 MHz freq. range 2−26049
linear dipoles, characts. of current distrib., impedances and efficiency 2−26046
log-periodic, prediction of asymmetry resonance phenomena 2−10570
microstrip dipole arrays, active input impedances and radiating currents, formulation of design procedure 2−2214
microstrip dipole arrays including mutual coupling, design, self/mutual impedance of elements, backscatt. relation 2−2215
miniature electric field probe with resistive transmission lines, anal. 2−11564
near field evaluation 2−10578
near field of dipole antennas 2−10577
planar metal antennas on dielectric surface 2−15774
printed circuit dipole antenna theory, for millimetre waves 2−26058
short backfire antenna, effect of disc reflectors on radiation impedance of dipole feed element 2−26036
short- or open-circuited dipole parallel to perfect reflector plane and embedded in substrate and acting at resonance 2−15777
skew dipoles, mutual impedance calc. using induced EMF and numerical integration method *(Japanese)* 2−15779
tripole antenna, adaptive array of mutually perpendicular dipoles with full polarization flexibility, theory of performance 2−10593
TV/FM transmitting antenna *(Japanese)* 2−21227
GaAs photoconductive switch, laser-driven, picosecond microwave pulse generation 2−1796

dipole moments, magnetic *see magnetic moments*

direct analogues
see also electrolytic tanks
No entries

direct coupled amplifiers *see d.c. amplifiers*

direct current amplifiers *see d.c. amplifiers*

direct current generators *see d.c. generators*

direct current machines *see d.c. machines*

direct current motors *see d.c. motors*

direct current power transmission *see d.c. power transmission*

direct digital control
see also control systems
360 MW coal-fired units, direct digital control system 2−3918
cement works process control with DP system family 2−23842
DAC 10 Bit Model 1422 2−19824
electric process heater, microprocessor controlled 2−13078
electric utility boilers, direct digital control 2−7711
electrical drive control using microprocessors *(German)* 2−4394
hydroelectric power stations, process computer control 2−3964
steel clamping mechanism rolling mill *(Russian)* 2−28268
three-phase zero-voltage switching, new digital control schemes 2−28075
valve convertor for automatic control, sampled data model 2−28015

direct energy conversion
see also bioenergy conversion; cells (electric); chemical energy conversion; magnetohydrodynamic conversion; photothermal conversion; plasma diodes; solar energy conversion; thermionic conversion; thermoelectric conversion
closed MHD system with HTGR, prospects. *(Czech)* 2−8017
conference, Atlanta USA, 1981 Aug. 2−8153
converting heat into electrical and mechanical energy in presence of magnetic field, devices 2−8018
gas flywheel TORON characts. 2−8020
geothermal isobutane-isopentane mixture condensation film coefficients 2−7613
geothermal Lysholm engine performance characts. 2−7615
HDR energy programme 2−7611
mixed hydrocarbon binary thermodynamic cycles 2−7612
multispeed electrical generator application to wind turbines 2−18126
negative-ion injectors, recuperator, expt. simulation 2−12938
performance and operational experience of a prototype binary geothermal power plant 2−7614
power generation from laser-produced plasma *(Japanese)* 2−4379
superconductive magnetic energy storage system characts. 2−12573
technology, 3-year technologist program 2−18897

directed graphs
acyclic graphs with exclusive-OR nodes, optimal segmentation 2−306
acyclic subgraph problem, branch and bound algorithm 2−19182
combinatorial properties of directed graphs useful in computing network reliability 2−19223
complete sets for the second level of the log-space hierarchy 2−13511
composite-majority rule for choice between options 2−24134

directed graphs continued
critical coverings 2−4860
diameter of arbitrary class of digraphs *(Italian)* 2−13611
edge-weighted, min. weight covering 2−19169
enumeration of directed closed Euler trails and directed Hamiltonian circuits by Lagrangian methods 2−24145
gradual underflow in computer arithmetic, graph argument appls. 2−8657
hamiltonian, Meyniel's theorem 2−13601
incidence matrices integer generalized inverses 2−8376
kernels of directed graphs 2−13577
long paths and cycles in oriented graphs 2−340
marked graphs, reduction and expansion method 2−321
MI network, nonequivalence directed graph model 2−2543
non reconstructable digraphs 2−329
numerical data array partial ordering 2−13540
on the arc-chromatic number of a digraph 2−326
optimal reconstruction algorithm 2−13541
pebble games played on directed acyclic graphs 2−24080
planar kernel or Sprague-Grundy function of digraph, NP-completeness 2−24174
reconstruction conjecture 2−324
rectangular matrices, graph theoretic methods for qualitative anal. 2−8335
road-colouring problem 2−4849
sensitive transitive closure algorithm/ 2−319
SPC switch design by sequential logic analysis 2−2633
star polygons, min. feedback arc sets 2−8632
stochastic project planning model, bounds for expected duration 2−65
unidigraphic and unigraphic integer-pair sequences, characterisation 2−4859
zero line sums and maximal rank matrices 2−8389
direction finders, radio *see radio direction-finding*
directional antennas *see directive antennas*
directional couplers
aperture coupling between dielectric image lines for designing directional couplers 2−920
bistable integrated directional coupler switch, remotely controlled, in optical fibre link 2−15345
constant-resistance (4,4)-port *(Japanese)* 2−9214
design using exponential lines in inhomogeneous media 2−19847
electro-optical co-axial optical directional couplers using tube guide surrounding single-mode rod 2−6059
equivalent circuit, analysis 2−19853
fixed division factor, input impedance and freq. ranges 2−936
high-power dual-directional coupler 2−5346
microstrip 3dB hybrid coupler with low-permitt. dielec. substrate for MM-waves, material and cct. evaluation 2−919
microstrip coupler directivity improvement 2−14283
microstrip directional coupler design using exponential lines, scatt. parameters 2−24670
mm range waveguide manufacturing methods *(German)* 2−14278
MM-wave, aperture coupling characteristics of image and shielded dielectric lines 2−24685
multi-hole, with reduced aperture diameter, high directivity, anal. and design 2−24686
nonsymmetrical, for wideband pattern-forming systems, theory and expt. 2−931
nonuniform coupled transmission filters, coupled mode analysis *(German)* 2−19515
optical all-fibre directional couplers, single-mode and multimode, for WDM 2−5983
optical coaxial dielectric directional coupler 2−25503
optical coupling between two cylindrical parabolic index waveguides, perturbation analysis 2−1705
optical fibre interferometers with (3×3) directional couplers, analysis 2−6015
optical glass waveguides formed by Ag^+ ion exchange, stripe waveguides, directional couplers and bends, optical filter appls. 2−10064
planar dielectric waveguides of rectangular cross-section, coupling charcts. 2−910
power reflection meas. of optical fibres by sinusoidal modulation of light intensity 2−20679
signal direction switching in auxiliary channel of stub coupler 2−24669
spiral microwave directional coupler for MIC appls. *(Japanese)* 2−9215
stripline bandpass filter, stepped coupled lines 2−9211
GaAs epitaxial layer photoelastic electro-optical directional couplers, 1.15 μm, strain-induced waveguides 2−6050
$LiNbO_3$, electro-optic directional coupler integrated with pyroelec. waveguide detector, optical bistability 2−6045
$LiNbO_3$ optical directional coupler, gating of Gbit rate diode laser pulse trains 2−6230
directional patterns *see antenna radiation patterns*
directive antennas
see also lens antennas; loop antennas
adaptive antenna angular resolution factors 2−6804
adaptive receiving array interference nulling schemes compared 2−27308
broadcast arrays for MW band, feeders, phase invariant adjustable power divider, variable phase shifters 2−21250
cavity-backed spiral-slot antenna 2−6372
directivity display using spiral scanning CRT *(Japanese)* 2−7035
double-feed, elec. and mag. field strength of near and far fields *(German)* 2−10583
dual-frequency directive MF antenna system for ILR London 2−16555
finite circular cone, diffraction of electromagnetic pulse 2−21077
FM/TV broadcast antenna system, computer-controlled network analyzer for impedance meas. 2−22206
HF receiving antennae with high directivity, trends 2−2222
impedance characteristics of polymer circular and rectangular antennas operated in X-band 2−21225
IR antenna using corner reflector, EM coupling with 10 micron laser radiation 2−22285
measurement errors in near-field scanning, directional pattern construction 2−21230
microwave directive polymer rectangular antennas for X-band high gain work 2−2211
movements by flying high-freq. laboratory developed by Polish Institute of Telecommunications *(Polish)* 2−11337
nonaxially symmetrical reflectors, radiation pattern calc. 2−21231
phased array antenna, directionality synthesis, wide angle scan, signal processing, future developments *(Japanese)* 2−15793
directive antennas continued
radiating directional antenna array for MHz range *(German)* 2−2218
satellite-antenna development from first communication satellite to broadcast satellite *(German)* 2−10580
short backfire antenna, effect of disc reflectors on radiation impedance of dipole feed element 2−26036
superconducting Vivaldi antenna/fin-line cct. for supercond.-insulator-supercond. mixers 2−21235
superconductivity antenna arrays, calc. 2−6362
tapered backfire helical antenna with loaded termination 2−26037
transmitting antenna for MW and SW, earthing, feeder and insulation *(Japanese)* 2−21251
trislot-cavity microstrip antenna 2−6373
TV/FM transmitting antenna *(Japanese)* 2−21227
variable-profile antenna, radiation patterns 2−21232
directors (programs) *see supervisory and executive programs*
dirty superconductors
Josephson junction with direct cond., steady-state props., kinetic inductance *(Russian)* 2−15243
discharge lamps
see also arc lamps; flash lamps; fluorescent lamps; metal vapour lamps
dimming, continuous, method, expt. results and appl. 2−13059
fluorescent lamps and discharge lamps, developments *(Japanese)* 2−8064
high-intensity discharge lamps, industrial appls., selection 2−13065
high-power single-ended, for film lighting 2−8078
light-intensity, IES approved method for life testing 2−13056
metal iodide lamps, starting charcts. *(Russian)* 2−8076
recent developments in light sources *(Japanese)* 2−13053
Xenon, tubular, operation in quasi-continuous conditions *(Russian)* 2−28217
discharge lasers *see gas lasers*
discharge tubes *see gas discharge tubes*
discharges (electric)
see also arcs (electric); electric breakdown; exploding wires and foils; flashover; glow discharges; high-frequency discharges; lightning; partial discharges; positive column; sparks; surface discharges; Townsend discharge
contact discharge noise measuring system 2−25996
dark current flow and positively charged particles meas. in uniform field vacuum gap 2−1083
discharge behaviour of electrodeposited PbO_2 and Pb electrodes 2−23413
discharged current charcts., from needle electrode, applications to thunderclouds detection 2−7172
electric ignition, three discharge modes, conversion efficiency determined by calorimetry *(German)* 2−18729
electronic air freshener, using ignition coil, light dimmer switch 2−869
electrostatic discharge failures, cause and prevention 2−15605
electrostatic discharge protection, review of factory control and relevance to IC manufacture 2−8299
electrostatic precipitator, back discharge field, streamer and glow discharge modes, meas. with bipolar current probe 2−10442
ellipsometric model for investigating electrode processes in gas discharges 2−9350
excimer laser, self-sustained discharge pumped, use of Ar diluent gas 2−1857
hollow cathode discharge as a plasma source for H^- production 2−9349
human electrostatic discharge waveforms measurement 2−27111
HV overhead cabes discharging via inductive metalcapsuled voltage transformers *(German)* 2−22933
initiation by gas magnetron in cold hollow cathode system 2−1085
magnetron discharge appl. to high rate reactive ion etching of SiO_2 2−14786
metal, anomaly detection by electric discharge in gases 2−5052
periodic accel. tube discharges investigation with capacitative pickup array 2−11737
plasma diagnostics in SF_6 pulse discharges *(German)* 2−15051
plasma etching of micron size features on semiconductors, electronegative gases, discharge effects 2−9585
polyethylene, low density and cross-linked, light detection during the initiation of electrical treeing at room temperature 2−9769
printing by dry ink jet 2−21064
production environment, electrostatic discharge problems, isolation, facility evaluation 2−13277
pulsed high current discharge ccts., voltage and current meas. 2−11568
reactive power compensation for energy savings, compensating capacitors charcts; construction and manufacture review *(German)* 2−3673
resonance characteristics utilisation for laser radiated power stabilisation *(Russian)* 2−10218
RF characterization of dielectric discharges on spacecraft 2−27228
semiconductor device protection against electrostatic discharges 2−14815
shielded flat cables for electrostatic discharge and EM interference reduction 2−9260
short-gap atmospheric discharge using rotor and post electrodes, rel. to distributor EMI 2−28200
solid insulating materials *(German)* 2−18377
synchronous high-speed oscillography of voltage and current for studying the release of energy in a vacuum spark discharges 2−11519
transformer insulating oils, streaming electrification and ionic conduction 2−4270
unipolar corona discharge in hyperboloid-plane gap, calc. and obs. 2−9346
Ar hot cathode discharges, LF longitudinal waves 2−14548
Ar hot cathode discharges, LF longitudinal waves, hydrodynamical model 2−14549
ArF* molecules excited by fast discharge, stimulated emission 2−1896
Au vapour laser, pulsed *(Chinese)* 2−15446
CO electric-discharge continuous-flow laser using H_2-containing mixture 2−15461
CO electron-beam-controlled discharge laser, kinetics and energy charcts. 2−20798
CO laser discharge, UV sustained, photoinisation study 2−1852
CO laser discharge, UV sustained 2−6153
CO pulsed high-pressure laser, electron-beam-controlled 2−20799
CO_2 electron-beam-controlled discharge lasers, review 2−20797
CO_2 electron-beam-controlled discharge laser, kinetics and energy charcts. 2−20798
CO_2 fast-axial-flow longit.-discharge lasers, kinetic modelling 2−20805
CO_2 high freq. capacitative discharge 10.6 μm gain 2−25696
CO_2 laser, electrically ionised, electric field distrib. in non-self-sustained discharge 2−1881

discharges (electric) continued
CO_2 photoionisation laser with high pulse repetition freq. 2−25674
CO_2 pulse-periodic waveguide laser pumped by longit. capacitor discharge 2−20819
CO_2-He(N_2) high freq. capacitative discharge 10.6 μm gain 2−25696
CO_2-N_2-He mixture, transverse discharge, laser radiation amplification *(French)* 2−15458
Cu, vapour, dense, discharge and lasing characteristics 2−20812
Cu vapour laser *(Chinese)* 2−10191
CuBr TE laser, operating characts. 2−10206
H_2 electron-beam-controlled discharge laser, kinetics and energy characts. 2−20798
HD VV 2−20798
HF electric-discharge chem. laser operating at high pulse repetition freq. 2−20820
He-Cd^+ laser discharge, positive column, excitation mechanism of Cd(II)$5s^2\ ^2D_{5/2}$ state 2−1858
He-Ne laser power stabilisation *(Russian)* 2−6156
HgBr X-ray preionised electric-discharge laser, scaling studies 2−6173
$HgBr_2$/HgBr dissociation laser, elec. beam preionised 2−6152
KrCl* molecules excited by fast discharge, stimulated emission 2−1896
KrF* discharge e-beam controlled laser, ionisation instability *(Chinese)* 2−15444
KrF* molecules excited by fast discharge, stimulated emission 2−1896
Ne, superradiation characteristics obs. at 614.3 nm in pulsed discharge in capillary 2−25700
Ne-Cd^+ laser discharge, positive column, excitation mechanism of Cd(II)$5s^2\ ^2D_{5/2}$ state 2−1858
SF_6, positive ions in spark breakdown influence of N_2, O_2 and D_2O 2−1503
SF_6 switchgear, gas/solid insulation interface behaviour during arc discharges *(German)* 2−18377
SiH_4-Ar plasma, Si atom diffusion and Si:H amorphous film deposition 2−19441
XeBr* excimer laser with electron beam and discharge excitation, radiation characts. 2−20786
XeCl* excimer laser with electron beam and discharge excitation, radiation characts. 2−20786
XeCl* molecules excited by fast discharge, stimulated emission 2−1896
XeF* excimer laser with electron beam and discharge excitation, radiation characts. 2−20786

discharges (partial) *see partial discharges*

discontinuous control systems *see sampled data systems*

discontinuous metallic thin films
Au, in point-contact diodes, switching 2−983

discrete systems
see also discrete time systems; sampled data systems
causal shift-variant system excited by causal inputs, characterisation 2−6430
parameter estimation, filtering problem under conditions of ambiguous meas. 2−22032
stability theorems, 1-D and 2-D, for discrete systems 2−15903

discrete time systems
see also sampled data systems
data communication systems, performance evaluation, review 2−26284
posicast control generalisation *(Japanese)* 2−19371
queueing system with cyclic service and nonpreemptive priority 2−13401
Viterbi decoding algorithm performance bounds 2−2284

discriminators
see also demodulators
analogue information processing, module units *(German)* 2−5131
broadband instantaneous microwave freq. meas., discriminator technique, low-cost appl. 2−26949
delay-lock discriminator, characts. degradation due to transmission channel distortion *(Japanese)* 2−26080
digital neutron-gamma pulse shape discriminator tests with NE213 scintillator 2−3425
digital phase-locked loop for generating frequency discriminating digital words 2−24457
frequency discriminator for accurate presetting of standard time intervals *(Bulgarian)* 2−5151
frequency discriminator using single one-shot 2−14025
HF and microwave generators with low phase noise, test methods *(German)* 2−9045
impulse-time discriminator *(Italian)* 2−9040
leading edge discriminator for γ-ray time of flight spectroscopy 2−27090
low-level ultrafast differential discriminator for photomultipliers appl. 2−27085
timing discriminator using leading-edge extrapolation 2−17294

dislocation arrays
bipolar planar transistors, low energy electron beam investigation of burst noise, SEM correl. with dislocations 2−25214
GaAs, thermal conditions effect on large-diameter growth of single crysts. 2−549
InP epitaxial layer, defect obs. and correl. with device performance 2−1198

dislocation density
steel, Ni (3.5 wt.%), AE during deform. and fracture, microstruct. effect 2−13879
CdS laser screen characts., dislocation influence 2−20867
GaAs dendritic web, grown by liq. encapsulation, characterisation 2−575
GaAs heteroepitaxial layer deposited by laser pulse, condensation mechanism 2−19407
GaAs single crysts., production with low dislocation densities by Czochralski method 2−550
GaSb single crystals, with low dislocation density, LEC growth technique 2−13806
Ge, amorphous, solid-phase epitaxial crystn. on Si (100) 2−8809
Ge single crysts., heat transfer effect between cryst. and screen in thermal stresses and dislocation struct. 2−547
InGaAs, reduction in dislocation densities in MBE step graded growth 2−8804
$In_{0.05}Ga_{0.95}As$-$In_yGa_{1-y}As_{1-x}P_x$-GaAs heteroepitaxial system, dislocation struct., buffer layer effect 2−19409
InP, growth and cryst. quality by liq. encapsulated Czochralski technique 2−4983
n-InP single cryst., electron mobility and minority carrier lifetime 2−9428
PbSe films, evaporated, structural defects and photosensitivity 2−25033
$Pb_{1-x}Sn_xTe$ crystals, Sb-diffused, ion channelling and AES study 2−1293

dislocation density continued
Si film on sapphire, implanted, laser annealed, dislocations, twins 2−14798
Si, MBE films, dislocation density, growth conditions depend. 2−583
Si on sapphire, low-density defect 2−24924
Si, seeds for growing single crysts. by zone melting without crucible, dislocation density 2−24272
SiC layer epitaxial growth by sublimation sandwich method, struct. defects 2−19406

dislocation dipoles
NaCl:Sr, pretreated, effect of activator content on thermolum. 2−10135

dislocation etching
GaAs single crystals, helicoidal twisting of dislocations, projection etching, SEM and TEM obs. 2−24958
GaP substrates, LEC, microdefects study by TEM and etching 2−24960
$Gd_2(MoO_4)_3$, ferroelec. ferroelastic, orthogonal domain wall interactions 2−15055
$In_{1-x}Ga_xAs_{1-y}P_y$/InP LPE heterostruct., misfit dislocation-free, growth conditions 2−566
InP epitaxial layer, defect obs. and correl. with device performance 2−1198
PbS crystals, connection between elec. and deform. characts. 2−1207
Si crystal tail ends revelation 2−1305
Si, laser damage gettering and lifetime improvement appl. 2−9406
Si, MBE films, dislocation density, growth conditions depend. 2−583
Si, neutron irrad. dislocation-free crysts., annealing influence on elec. and struct. props. 2−24920

dislocation loops
GaP substrates, LEC, microdefects study by TEM and etching 2−24960
Si Czochralski crystal., elec. characterisation of cryst. defects and O_2 using gate controlled diode 2−14626
Si:B^+, single crystal, TEM and AES study of ion bombardment 2−14635
Si:B(As)(In), pulsed laser annealing, melting phenomena 2−25155

dislocation scattering
used for carrier scattering by dislocations
n-InP single cryst., electron mobility and minority carrier lifetime 2−9428
p-InSb, light and heavy hole mobility and conc., effect of dislocations *(Russian)* 2−14657

dislocations
For pipe diffusion, see diffusion in solids. See also dislocation ..... see also edge dislocations; grain boundaries; screw dislocations
bipolar planar transistors, low energy electron beam investigation of burst noise, SEM correl. with dislocations 2−25214
semiconductors, conference, Oxford, England (April 1981) 2−13150
silicide films, single crystalline, formation on Si substrate 2−582
$Ga_xAl_{1-x}As$ epitaxial layers on GaAs, morphology and misfit dislocations 2−4987
GaAs LED, struct. defects, TEM studies 2−1822
GaAs:Zn(Se), ion implanted, annealed, TEM study 2−14772
GaInAsP-InP DH laser material, nonradiative regions correlation with dislocation clusters 2−20887
$Ga_xIn_{1-x}P$-GaAs MBE DH, interface recombination vel. and misfit strain, photoluminescence study 2−9480
GaP LED, struct. defects, TEM studies 2−1822
GaP LEDs, analysis of defects movement by digital image processing *(Japanese)* 2−6118
$Hg_xCd_{1-4x}Te$ crystals, electrically and optically active defects 2−1173
Si layers, CW laser annealed, EBIC contrast rel. to residual defects, X-ray, TEM, and SEM obs. 2−14752
Si, polycrystalline, X-ray tropography and photoresponse of grain boundaries, solar cell appls. 2−23625
Si single crystals, grown from melt, appearance of dislocations 2−552

disperse systems
see also aerosols; Brownian motion; colloids; dust; fog; gels; powders; smoke; suspensions
complex permittivity determ. in microwave range 2−17103
phthalocyanine, x-phase metal free, photocond. particles dispersed in polymer matrix, carrier generation efficiency 2−10114
vapour-mist dielectrics, cooling and insulating media for vapour-cooled power transformers 2−9763

dispersion (wave)
see also acoustic dispersion; optical dispersion
coordinate-free approach to wave reflection from an anisotropic medium 2−21074
dispersion delay lines, compressed linearly-frequency modulated signals, temp. dependence of time location 2−1545
line-of-sight digital microwave propag., two-tone amplitude dispersion, distance var. 2−6768
microstrip lines comprising layered dielectric media, dispersion 2−906
microwave pulse dispersion, distortion calcs. 2−21185
planar waveguides, analysis of dispersion characts., and appls. to microstrips with tuning septums 2−21179
radiowave propagation in ionosphere, freq. dispersion during transmission and refl., review of theoretical studies 2−10477
three wave interaction, diffr. and dispersion effects 2−21176

dispersion power, rotatory *see optical rotation*

dispersion relations
see also dispersion (wave); Kramers-Kronig relations; phonons; plasma instability; plasma waves; S-matrix theory
electron beam relativistic, annular, diocotron instability 2−3332
laminated dielectric-loaded waveguides of complex transverse cross-section, dispersion relations for EM waves *(Russian)* 2−26022
ring waveguide in container filled with anisotropic magneto-dielectric, EM wave spectrum *(Russian)* 2−26021
Ar hot cathode discharges, LF longitudinal waves, hydrodynamical model 2−14549

dispersions *see disperse systems*

dispersoids *see disperse systems*

displacement measurement
analysing displacement measurements in gravity dams 2−17799
contactless chip-tilt measurement method and apparatus 2−3271
cylindrical surface under axial load, deformation meas. by holographic interferometry *(Japanese)* 2−11617
diffuse object spatial displacement meas. accuracy using holographic interferogram data 2−22392
digital displacement transducer using pseudo-random binary sequences and a microprocessor 2−22261
holographic attachment, for machine for field of displacements determ. 2−620

displacement measurement continued
holographic displacement analysis with multimode fibre optics 2−15565
holographic interferogram incoherent superposition for three-dimens. displacement meas. 2−20975
holographic multiplexing techniques for sequential hologram interferometry with diffusely illuminated objects 2−2036
holography, Dennis Gabor memorial symposium, Haifa, Israel (Mar. 1980) 2−18850
holography and speckle techniques for deformation and vibr. anal. 2−10381
interferometric, laser radiation divergence effect *(Russian)* 2−3270
lateral motion real-time anal. using laser speckle direct obs. method 2−11620
microwave interferometer appl., in electromagnetically semi-transparent medium 2−11626
mirror vibrational displacement meas. using all-fibre Michelson interferometer 2−1704
motion measurement with the magnetic field sensor *(German)* 2−16931
ocean wave height meas. using capacitance change probe 2−22727
optical sensors for displacement measurement 2−7208
optoelectronic large ang. and linear displacement meas. convertors 2−10107
shock parameters meas. with noncontacting fibre optic lever vibration transducers 2−11444
transient acceleration signals, errors in computing velocity and displacement 2−3279

display devices
see also gas-discharge displays; liquid crystal displays
7-segment BCD decoder, U821D IC appl. *(German)* 2−7170
alphanumeric displays and control by microprocessor *(French)* 2−22152
auxiliary display mount for terminals used in retail trade, customer installation 2−3227
bar graph displays, multiplexing to single driver circuit 2−11543
DC electroluminescent ZnS:Mn, Cu-powder panels 2−26912
developments in optoelectronics and displays, review 2−22315
digital (LED) VU meter with 1000 watt readout, for disco lighting effect 2−2977
digital displaying diodes, TDM opeation *(German)* 2−7031
digital electronic displays, construction and operation review 2−17049
disclination-free bistable twist cells 2−17057
Display Technology conference, Cherry Hill, New Jersey, USA (Oct. 1980) 2−23869
dot matrix display, half-point algorithm for graphical displays 2−3224
dot matrix X-Y display panels, technology, characts. 2−22325
electrochromic, electrode matrix form. using metal displacement reaction 2−11545
electrochromic, inorganic materials developments 2−11558
electroluminescent cell, optical erase feature, appls. in erasable memory storage display 2−26906
electroluminescent displays, thin film 2−26908
electroluminescent ZnS:Mn,Cu DC LV devices 2−26914
electron tube display technology update *(German)* 2−26910
electrophoretic, interface circuits electronic integration *(Spanish)* 2−995
electrophoretic display, materials as related to performance 2−1750
electrophoretic image displays, optical properties 2−26919
electrowetting display system dynamics 2−26780
field-effect integrated injection LED visible or IR source 2−10168
flat panel displays, thin film transistor appl. 2−26920
flat-panel displays and integrated cockpit avionics 2−17490
fluorescent dot-type indicator panels, technology, characts. 2−22328
Fotoform products and their use in display technologies 2−19467
frame buffer raster scan displays, exploiting area coherence 2−22173
holographic near-real-time displays using electronic recording 2−10384
integrated display technology 2−5322
Japanese development of LCDs, LEDs, fluorescent display tubes, plasma displays 2−22320
LED, dual-coloured visual effects *(Italian)* 2−7158
LED, multi-colour, high-brightness, appls., technology 2−20763
LED and 7-segment fluorescent displays, driver and interface hardware for microprocessor systems 2−22337
LED array displays coastal-tide data 2−17010
LED display interconnection methods 2−17056
LED displays, summary of representative commercial and laboratory device performance 2−22334
LED flat picture-display driven by digital video signal using time-division method *(Japanese)* 2−17058
LED picture-display device driven by digital video signal using current-division method *(Japanese)* 2−17059
LEDs, components in theory and practice *(German)* 2−6115
light density meter, for testing displays, design and construction *(Hungarian)* 2−11643
liquid displacement due to surface tension elec. modulation, passive display and optical switching appls. 2−6058
microprocessor controlled displays−a commercial approach 2−22170
moving picture CRT display for telecontrol, buffer memory design *(Japanese)* 2−17053
multi-colour vacuum fluorescent display tubes, technology, characts. 2−22326
oil-film modulator for projection TV system *(German)* 2−16683
oligomeric viologen compounds for electrochromic displays *(Japanese)* 2−7157
photoelectrophoretic display system, effects of device parameters 2−22319
plasmatron high-rate sputtering methods and appls. in microelectronics, hybrid microelectronics and electronics 2−19450
porous matrix based dispersion scatterer 2−26911
product growth cycle 2−25549
projection display element using attenuated total refl. for high efficiency electrochem. modulation 2−1754
reference information on indicators and displays 2−7141
review of current display technology *(Japanese)* 2−11548
self indicating switches 2−993
sequential pattern display using RAM control of LED array 2−7159
seven segment display, hexadecimal decoder using TTL ICs *(German)* 2−11556
seven-segment alphanumeric display for error indication in electronic typewriters 2−3226
telemetry data presentation appl., review of display technologies 2−16111
terminal display technologies for 1980s 2−16180
thermosensitive display with improved operational characteristics 2−26904
thin-film electroluminescent devices, appl. 2−7162

display devices continued
UAA170, two variable, simultaneous display circuit 2−11512
Au/ZnSe:Mn/n-GaAs, MBE DC electroluminescent cell with very low threshold voltage 2−10163
CaS:R (R=rare earth), DC electrolum. 2−25613
Fe garnet magneto-optic storage light control and display components, use of integrated thin-film techniques *(German)* 2−20694
Na_xWO_3/β-Na_2O-Al_2O_3 based solid state electrochromic display 2−11557
RuO_2-based electrochemical light switch 2−10071
SrS:R (R=rare earth), DC electrolum. 2−25613
WO_3 electrochromic display colorimetric study colorimetry; 2−15346
ZnS electroluminescent displays, large area, flat panel, fabrication technology 2−22318
ZnS:Mn, Cu DC electroluminescent displays, degradation mechanisms 2−26916
ZnS:Mn AC thin film electroluminescent devices 2−26915
ZnS:Mn low-threshold-voltage thin-film electroluminesc. devices utilising ferroelectric $PbTiO_3$ and PLT insulating thin films 2−25634

display equipment *see display instrumentation*

display instrumentation
see also cathode-ray tube displays; display devices; radar displays; screens (display)
3D raster graphics, VLSI-oriented design, pixel planes 2−3086
3D-raster display system, hardware enhanced 2−3087
AC/DC polarity indicator, using seven segment display 2−7143
aircraft civil head-up displays 2−22642
aircraft cockpit displays *(German)* 2−3549
aircraft control display, analysis and design using optimal control model of human pilot 2−3551
aircraft electronic display instrumentation, review 2−12027
aircraft flight path trajectory display 2−3562
aircraft head-up display, Advanced Super 80 HUD 2−7380
aircraft navigation and attack system, of German alpha-Jet aircraft *(French)* 2−12032
alpha-numeric indicator systems, 18-segment, controller using slave microprocessor *(German)* 2−17048
analogue waveform display on CRO, single line of alphanumeric characters, microcomputer character generation 2−16852
arrhythmia monitoring system, computerised dynamic 3D joint interval histogram display 2−27180
ASCII display module for microprocessor *(German)* 2−26771
automatic meter for time instability meas. of TV synchronization signals, 2-3 ns meas. mirror *(Russian)* 2−3212
automatic modulation meter, construction and calibration 2−22292
avionics display testing, CRT substitution by quartz-iodide lamp 2−7377
barometer, using Si pressure sensor for battery operation 2−22433
Bucharest telephone directory data bank system and dialogues with digital display *(Rumanian)* 2−26210
car noise evaluation, digital equipment for real time sound intensity meas. 2−26751
cockpit displays, multifunction displays and switches 2−17483
control panel design for greater clarity 2−17005
Contronic 3 automation system, centralised monitoring subsystem *(Italian)* 2−16889
dashboards for cars using CRT, liquid crystal, and electroluminescent displays 2−4440
decade counter, reversible, operating at 14 MHz 2−11518
digital databus in Mirage 2000 aircraft *(French)* 2−12033
digital panel meters, development, reliability, multi-function semiconductor chip appls. 2−3234
digital signal processing, display enhancement for seismic interpretation 2−10685
direct coupled LC oscillator, digital display of analogue quantities appl. 2−3230
display for supervising 16 channels *(German)* 2−3065
drive circuit, universal integrated, for LED display *(German)* 2−7156
dynamic-display device for seven-segment indicators 2−26907
eddy-current defectoscopes *(Russian)* 2−26870
electrical network dynamic states display on colour video-terminal *(Croatian)* 2−17704
electro-optical, visual perception of depth 2−16851
electronic displays conference, London, England (Sep. 1981) 2−18866
electronic taxometer, POLTAX-3 displays distance driven and fare due 2−22214
electrophoretic bar graph display 2−16864
flat VED display panel, with MOSFET switching array 2−26922
flicker-free data display unit *(German)* 2−3066
flight simulator visual system characteristics 2−7371
helicopters, Electronic Master Monitor and Advisory Display System 2−3561
Hewlett Packard 1345A graphics display for instrumentation 2−26880
high resolution computer visual displays, Hi-rem shadow-mask TV picture tubes, medical, scientific appl.- *(German)* 2−7328
high-resolution weather satellite pictures, image display, testing and alignment 2−26783
information processing system, error indication for deaf operators 2−7160
integrated display/printer equipment for the office of the future 2−16869
ionic display panels, design and manufacture 2−11381
LANTIRN wide field-of-view raster head-up display 2−7395
large-screen display, resolution meas. using computer-controlled photometry and X-Y plotter 2−3074
laser applications in information processing 2−15586
LED addressing technique using three state logic 2−26902
LED audio peak meter using op-amps and comparator 2−2982
lightning impulse voltages recording by wave memories *(German)* 2−22216
liquid-crystal display drives, single-chip CMOS microcomputer appl., LCD III in HMCS40 series 2−26773
LM 3914 display drivers, multiplexed bar graph display network 2−11543
many-parameter display, through microprocessor wave generation 2−22176
map display design, using LSI11/03 computer 2−22171
microcomputer interface display unit, design *(Czech)* 2−7041
microcomputer system K 1520, display device *(German)* 2−3083
microcomputer-based data acquisition, display, and control system for vestibulo-spinal Hoffmann reflex experiments 2−11398
microprocessor display aids 2−26782
microwave landing approaches, computer animated predictive displays 2−12017

display instrumentation continued
multiclass multivariate data 2−3088
multicolour indicator using a 2 colour LED 2−11542
MW44A/MW45A multi-functional logic analyser, charact. 2−16901
numeric LED displays in aircraft cockpit, legibility, effect of 3-25 Hz sinusoidal vibration 2−3539
Oki DC-type plasma display, technology, charact. 2−22307
optoelectronic, 1980 state and developments 2−17050
peripheral device displays for messages displaying 2−7034
PLZT ceramics, ion implanted, image storage medium 2−25579
remotely controlled underwater vehicles for pipeline and oil rig structure maintenance, improved TV display 2−22175
rotatable display device 2−7032
Self-Scan I panel system charact. 2−16863
sequential logic used for disco hat letter display system 2−19635
solid-state signal-level displays 2−3222
sonar B scan display and digital image processing facility 2−26546
sport, meas., control and information display 2−6989
statistical distributions, dynamic display system using dedicated hardware 2−16853
teletext display improving methods 2−21516
teletext graphics improvement 2−21517
Tornado ADV aircraft, avionic display development 2−22653
transparent memory addressing, used for CRT video display 2−16859
two variable, simultaneous display circuit 2−11512
variable-size character generator for display system 2−24572
VDU design, CRT parameters, health and safety 2−22169
video display selection and development in Cuba *(Spanish)* 2−7030
videotex display technology, immediate past and likely future 2−21518
visual display terminals, difficulties in development 2−16868
visual scene display for flight simulators *(Japanese)* 2−11386
VP-3660A logic analyser, using data storage; charact. 2−7062

display instruments *see display instrumentation*

display systems *see display instrumentation*

display tubes, television *see television picture tubes*

displays, radar *see radar displays*

disruptive voltage *see electric breakdown*

dissemination of information *see information dissemination*

dissipation (heat) *see cooling*

dissolution *see dissolving*

dissolving
metals, stress corrosion cracking monitoring, by acoustic emission 2−19482
photoresist., monomolecular, dissolution model 2−20180
$Gd_3Ga_5O_{12}$ LPE growth and dissolution, physical chem. of garnet molten solns. 2−24301
$Pb_{1-x}Sn_xTe$ crysts., mechanism of chem. polishing 2−25031

distance measurement
aircraft radionavigation, Distance Measuring Equipment, expt. unit, components and appls. *(Japanese)* 2−2843
CCTV camera images processing, using hard-wired analysers, size and position meas. appl. 2−11612
DME/DME, area navigation appls., fix geometry, aircraft/environment computer simulation 2−16525
electro-optical distance measuring instrument, two channel laser modulation *(German)* 2−15348
electronic, phase cancellation problems in multipath propagation, high accuracy surveys appl. 2−26524
electronic taxometer, POLTAX-3 displays distance driven and fare due 2−22214
holographic-interferometric triangulation technique for distance and surface contour meas. *(German)* 2−15568
JTIDS relative navigation test and evaluation 2−6873
land survey and setting out using EM distance meas. and electronic processing 2−22220
line-width meas. technique, for gas panel fabrication 2−3225
LSI linewidth meas., optical and elec., characterization of registration and distortion in optical alignment equipment using automated sub-micron measurements 2−14957
microwave Doppler, radar for meas. of velocity and distance of traction vehicles 2−16502
operative position finding, artificial satellite appls. in navigation, geophysics and surveying, dist. meas., radio interferometry *(German)* 2−17455
photooptical range instrumentation, review 2−7063
proximity meas. to conducting samples, using eddy-current gauges, influence of DC magnetic field 2−7212
pulsed solid state laser, range of apparatus *(Rumanian)* 2−11623
radar ranging of planets, relativistic effects 2−6880
radiotelescope, mm-wavelength, surface meas. by modulated laser beam 2−11129
satellite laser ranging, performance and results of ranging station at Kavalur, India 2−3574
spark machining numerical control system, meas. by laser beam appl. *(German)* 2−20992
US measurement, used for automatically focused camera lenses 2−11614
CO_2 laser radar systems, range and velocity meas. 2−16514
Na cooled breeder reactor, distance meas. under Na by ultrasonic means *(German)* 2−9838

distillation
see also isotope separation
optimisation through advanced control 2−18818
petrochemical plant, closed loop optimisation of distillation energy consumption 2−23835
solar pond driven distillation and power production system 2−18089

distortion, electric *see electric distortion*

distortion measurement, electric *see electric distortion measurement*

distributed Bragg reflector lasers
GaInAsP-InP BH distributed-Bragg-reflector integrated-twin-guide lasers, 1.58 μm wavelength 2−20879
GaInAsP-InP BH distributed Bragg reflector integrated-twin-guide laser emitted at 1.5 to 1.6 μm 2−20885
T 2−20880

distributed control
asynchronous transmission communication loop configuration 2−16872
automated factories, data highway with distributed controllers 2−10880
cement works process control with DP system family 2−23842
decentralised and centralised automatic generation control, multivariable servomechanism approach 2−3705

distributed control continued
digital boiler control, utility case history 2−12466
digitally operating telephone exchanges with distributed microprocessor control *(German)* 2−2640
homeostatic control appl. to control and economic operation of electric power systems 2−17652
integrated services digital network, exchange for distributed control 2−6709
ITT 1240 Digital Exchange: distributed control architecture 2−26357
non-voice service integration into ITT 1240 digital switching system *(Italian)* 2−21620
quasielectronic and electronic automatic telephone exchanges, distributed control *(German)* 2−2623
railway signalling control system, appl. of packet switching techniques 2−18696
serial data communication options 2−6609
steel industry, continuous slab casting process computer control 2−23793
subscriber line card in distributed control switching system 2−2628

distributed feedback lasers
complex coupling coefficient effect on DFB lasers 2−25651
dispersion relations with strong modulations 2−10180
dye lasers, N_2-laser pumped, amplified spontaneous emission 2−15472
dye lasers, ultrashort pulse generation, energy charact. 2−25733
dye lasing based on DFB as method for ultra short pulse length meas. 2−25821
fluoromethane distributed feedback gas laser *(German)* 2−10200
fluoromethane optically pumped 496 μm DFB gas laser 2−10207
methyl fluoride distributed feedback laser, optically pumped, 496 μm wavelength 2−25728
optical fibre surrounded by gain modulated dye soln., DFB laser action, evanescent field coupling 2−15490
POPOP vapour DFB laser 2−25744
rhodamine 6G laser, ultrashort pulse generation, temporal charact. 2−25731
semiconductor lasers with chirped grating, axial-mode selectivity and threshold gain 2−6224
strong periodic modulations, theory based on complex Hill eqn. 2−25662
thin-film DFB laser emission, wavelength tuning method 2−25655
two-dimensional HALO laser excited by N_2 laser *(Hungarian)* 2−20773
GaAs DFB laser, optically pumped, with variable grating period, mode selectivity and threshold ga- in 2−6224
GaAs integrated DFB oscillator-amplifier system 2−1959
InGaAsP-InP CW lasers, low-threshold-current, distributed feedback 2−25778
InGaAsP-InP distributed-feedback BH lasers emitting at 1.57 μm, room-temp. CW operation 2−20884

distributed parameter networks
C-R-NC structure analysis, notch filter subnetwork appls. 2−676
circuits constructed with cascade connection of unit exponential lines, transmission charact. *(Japanese)* 2−677
digital frequency multiplier using multi-section two-strip coupled line *(Japanese)* 2−9213
linear filters, Grassmann manifold-based theory 2−13923
lossy/lossless lumped-distributed cascade networks synthesis 2−19512
lumped/distributed networks, state-space anal. in time and freq. domains 2−13916
microwave filters, asymmetric synthesis, attenuation pole placement on one side of passband, waveguide filter appls. 2−24671
mixed lumped-distributed networks, cascade synthesis 2−24365
multiconductor transmission-line parameters determ. in freq. domain, iterative method 2−8952
multilayer distributed parameter high-pass filter 2−24587
non-uniform transmission lines with odd order binomial form charact. impedance, approx. mixed lumped-distributed representation 2−8951
nonlinear lumped parameter-linear distributed parameter networks, time domain anal., algorithms and programs *(Hungarian)* 2−8950
nonsinusoidal entering voltage, telegraph equations *(Russian)* 2−19516
nonuniform coupled transmission filters, coupled mode analysis *(German)* 2−19515
odd-degree pseudoelliptical phase-equalized waveguide filter, asymmetric band-pass behaviour 2−24672
power networks, CAD 2−12196
R-C-NR structure analysis, notch filter subnetwork appl. 2−676
RC structures transfer behaviour *(German)* 2−19517
symmetrical long distance cables, length-dependence of the damping constant, multiterminal distributed parameter network representation *(Hungarian)* 2−6731
transmission lines, circuits with distributed parameters, transients and switching operations, calc. *(Russian)* 2−7524
trimmed distributed RC networks, pole-zero locations, and appl. to low pass active filters 2−24598
two-port lumped and distributed networks, cascade synthesis, use of Minkowski model of Lorentz space 2−24370

distributed parameter systems
boundary control and boundary observation *(Chinese)* 2−13368
EM flow transducer, dynamic charact. estimate 2−16958
exit problem for small random perturbations of dynamical systems with a hyperbolic fixed point 2−13377
Riccati equations class in Hilbert space 2−8583
video tracking, distributed parameter system regulator design 2−15958

distributed processing
see also computer networks; multiprocessing systems
28th International Scientific Electronics Congress, Rome, Italy (March 1981) 2−18859
aircraft, architecture 2−22665
aircraft propulsion system, real-time simulation approach using parallel processing 2−27245
anti-intrusion remote surveillance network with distributed intelligence *(Italian)* 2−16110
ATE system, for ring laser gyro testing 2−22148
ATE system architecture development 2−22124
ATE systems software 2−26763
ATE/ground support equipment, bubble technology appl. 2−22706
bench instruments for A/D convertor testing 2−16783
business appls. and standards 2−2517
cement works process control with DP system family 2−23842
data transmission protocols for remote DP *(German)* 2−21586
database management system architectures 2−21610
deadlock algorithm in distributed databases, local and global deadlock detection *(Japanese)* 2−26271

distributed processing continued
digital switching system testing techniques 2−2634
distributed database system, network architecture 2−16207
distributed minicomputer network, its implementation and evaluation 2−16142
distribution network computerized telecontrol system used by ENEL, Argentina *(Spanish)* 2−3745
DSA view for usage and administration in a distributed network *(French)* 2−21641
electronic automatic exchange database administration system 2−2631
exact mathematical models for the solution of distributed systems *(Italian)* 2−21593
gateway and cluster controller architectures 2−21629
geographically distributed network organisation, integrated approach *(Italian)* 2−16196
GTD-5 EAX production frame testing philosophy 2−2619
hospitals, prototype generalised network technology implementation 2−21626
hydrometeorological data, remote transmission and processing *(Italian)* 2−16190
information system organisation *(German)* 2−21546
Italian banking system remote data processing developments *(Italian)* 2−16186
Italian social security agency decentralised data processing *(Italian)* 2−16183
Kontron PS 180 microprocessor and appl. to network control *(German)* 2−26272
local area networks, effect on distributed processing architecture 2−26290
M-BUS to interconnect microprocessors in a distributed processing network 2−26291
management of distributed appls. 2−6619
mass memory system in DIPS 104-02 operating system for data communication *(Japanese)* 2−6593
microprocessor controlled laser velocimeter, subsonic wind tunnel appl. 2−22621
microsystems, conf., London, England (March 1981) 2−23895
microwave measurement accuracy enhancement via distributed microprocessing 2−3264
multiple access protocol with request channel TDMA and slotted ALOHA time slots 2−16173
network management, monitoring and diagnostic systems evolution 2−16151
office automation system based on PABX switching network *(Italian)* 2−16189
pipeline distributed processing system for real time pattern recognition applications 2−8905
program status and node/network failure tolerance *(Italian)* 2−16195
protocols and services design from formalisation 2−16197
remote data processing problems and developments *(Italian)* 2−16182
road traffic automation, digital integrated telecommunication system decomposition 2−16191
satellite advanced onboard signal processor 2−16444
SHOSHIN testbed 2−10866
software systems 2−21592
steel industry, continuous slab casting process computer control 2−23793
system architecture, motivations and trends *(Italian)* 2−21609
termination detection of diffusing computations in communicating sequential processes 2−21543
transaction oriented recovery in distributed database systems *(German)* 2−6576
two-out COMMIT protocol for distributed communication systems 2−6607
TZ-I time division multiplex device, technology, distributed system processing interrelation *(Japanese)* 2−26321
Univ. Missouri central computer facility and teleprocessing network evolution 2−26286

distribution networks
see also building wiring; substations; underground residential distribution systems
6-10 kV rural supply networks, fault indicator effectiveness *(Russian)* 2−12239
10 kV rural supply networks, high speed protection *(Russian)* 2−3783
10 kV system, earth fault location with various neutral systems, operational experience *(German)* 2−17701
11 kV rural distribution networks in India, cost reduction by graded construction 2−27474
20 kV, for industrial use *(Russian)* 2−12238
20 kV network breakdowns in Hungary caused by longitudinal conductor vibrations *(Hungarian)* 2−22912
20 kV supply voltage for industrial and urban networks 2−3742
110 kV systems with arc suppression coils, neutral point displacement, resonance curve meas. method *(German)* 2−17702
380 V three-phase factory power supply, voltage drop and losses calc. *(German)* 2−3741
600 V and below, branch ccts., feeders and service entrances, design guidelines 2−22905
600 V and below, branch circuits, feeders, and service entrances, design and layout 2−12240
600 V and below, design and layout of branch ccts., feeders and service entrances 2−17703
acquiring and preparing software for distribution by EPRI 2−27483
analysis of the optimal structure of city electricity supply systems 2−27487
automatic control, Conf., Pretoria, South Africa (Sept. 1980) 2−22786
automatic fault clearance systems for consumer supply networks *(Russian)* 2−7539
automatic loop sectionalising for improving distribution reliability 2−27491
auxiliary power system design optimisation for large generating units 2−17709
Barbican Arts Centre, in London, electrical services 2−22899
Bavarian Electricity Supply Company computerised network supply system *(German)* 2−27354
circuit-breaker resistors, calc. of switching overvoltages for dimensioning *(German)* 2−28067
city centre high-load-density distribution systems evaluation 2−17713
computational techniques for an electrical distribution and information control system 2−27480
computer curtailed graphic planning of distribution system, MALAZEI program *(German)* 2−27436

distribution networks continued
computer techniques for power system design analysis 2−12204
computerized telecontrol system used by ENEL, Argentina *(Spanish)* 2−3745
covered-conductor burndown prevention 2−17711
Dacca, Bangladesh, construction problems 2−22901
data base model for distribution facilities 2−27481
DC distribution systems, locating earth faults, instrument 2−17781
distributed photovoltaic systems effect on utility networks 2−17693
earth fault protection, new concept *(Polish)* 2−27484
electrical network dynamic states display on colour video-terminal *(Croatian)* 2−17704
Electrical World's 16th annual T&D construction survey 2−27441
electricity distribution in rural areas, design problems 2−7535
electricity distribution network for Selby mining project, UK 2−12236
electricity supply voltage frequency adjustment, periodic signal frequency sensor 2−12313
electrified railway from Zagreb to Rijeka in Yugoslavia, power feeding arrangements *(Croatian)* 2−28172
EMAV, digital computer program for calc. of EM transient conditions *(German)* 2−27457
ENEL, unified remote control system, equipment for test and simulation *(Spanish)* 2−27488
ENEL unified telecontrol system functions and structure *(Spanish)* 2−7540
ENEL unified telecontrol system general principles *(Spanish)* 2−7541
energy control, computerised system, overview 2−22829
experiences with medium voltage vacuum circuit breaker equipment in distribution systems 2−7945
factory distribution systems, design for flexibility 2−22900
fairgrounds, primary distribution using 15 kV vacuum switches 2−22903
faults, foils failures, capacitor checker 2−27590
feasibility sets for steady-state loads in electric power networks 2−22880
feeders, loss reduction methods 2−3744
Finnish 400/110 kV power grid disturbances over last decade *(Finnish)* 2−27467
fire protection measures in power cable distribution networks *(Czech)* 2−7528
fuses and vacuum interrupters for distribution system protection, development trends 2−27581
generated power distribution on basis of annual duration curve of power plant available capacity utilisation *(Polish)* 2−7532
harmonic distribution calcs. in supply networks *(German)* 2−27435
high impedance faults in distribution systems, detector 2−27591
homeostatic control appl. to control and economic operation of electric power systems 2−17652
HV cabling for power distrib. in large spacecraft 2−3569
HV/MV/LV, energy losses and energy distribution efficiency assessment using nomograms *(Polish)* 2−7530
industrial AC/DC power systems anal. 2−3743
integrated software system for power system operation control and planning 2−22840
integrated voltage and reactive power control 2−27479
interactive load control, transmission and distribution networks 2−22801
intermeshed networks, power supply reliability estimation problems *(German)* 2−12241
large digital computer loads, distrib. cct. power quality considerations 2−22908
linking distribution facilities and customer information system data bases 2−27482
London transport's electric power supply distribution network, computerised control 2−13023
loss reduction efforts 2−27489
LV, investment and operating costs optimisation using computer *(Finnish)* 2−27468
LV and MV, equipment modernisation and development *(Polish)* 2−7531
LV cable networks, dealing with faults 2−7534
LV networks procedures for live working in Hungary *(Hungarian)* 2−27492
LV ring main feeding flats, voltage drop computation *(German)* 2−22898
microprocessor-based equipment for automatic control in power generation and distribution systems 2−3716
mining, observations on some pertinent present day problems 2−22910
moulded case circuit breakers for overload and short cct. protection, new regulations, UK 2−7951
MV earth faults, damage caused and protective measures *(Italian)* 2−22906
MV industrial networks protection, using electronic relays *(German)* 2−12284
MV network, real time data processing system for visual display and calc., database aspects 2−3747
MV networks, earth-fault location and neutral systems, related problems *(German)* 2−17700
MV outdoor isolators in overhead distribution networks *(Polish)* 2−23385
MV supply network control problem, soln. 2−27486
MW, fault type, anal. and measurement *(Italian)* 2−27475
natural gas transmission and distribution systems, demand modelling 2−22915
novel fail safe earth fault protection schemes for underground coalmines using restricted neutral system of power supply 2−22961
on-line system reliability calc., processing connection method *(German)* 2−27471
optical fibres appl. in subscriber distribution networks, technical aspects 2−2813
optimal nominal power determ. using dynamical model for 10/0.4 kV or 20/0.4 kV substations *(Croatian)* 2−27472
optimisation of distribution networks by computer processing *(Norwegian)* 2−22907
optimum distribution feeder balancing using the ampere-mile vector theory rel. to telephone interference 2−17699
overhead lines, safety problems and design methods 2−27540
PAN, program system for network planning *(German)* 2−27434
parallel operation with asynchronous machines and water power station *(German)* 2−23161
permissible harmonic voltage levels in low voltage and medium voltage networks *(German)* 2−22897
perspectives of development of electrical supply for agriculture, Soviet Union 2−13128
Portuguese 400 kV network and transformer stations construction and systems engineering *(French)* 2−22896
power distribution in USA, control by satellite, proposal 2−3690

distribution networks continued
power distribution network planning, use of computer graphics in database management systems 2−27478
power distribution system cost model and its application to optimal conductor sizing 2−27477
power factor correction step by step 2−22902
power factor correction systems, cost effectiveness *(Russian)* 2−7538
power networks, integral telecontrol used for large systems *(Spanish)* 2−22848
power supply in large modern building, design aspects 2−22869
power supply network calculations *(German)* 2−27454
primary feeder loss-reduction shunt capacitor placement 2−17712
primary feeders, variable source of reactive power, performance anal. 2−12242
procedure for stringing supervisory cable on the distribution system 2−27490
programming, control and optimisation of power absorbed *(Italian)* 2−7527
reactive power static compensation, energy saving in distribution networks *(Spanish)* 2−22911
reception and distribution of power supply facilities *(Japanese)* 2−23366
reliability evaluation, integrated historical and predictive assessment approach 2−17710
reliability evaluation of distribution systems using graphic-based interactive computational methods 2−22909
remote control system operation, modifications required on network *(Croatian)* 2−17705
RESIN, desk-top computer program for finding cut-sets in networks 2−22877
Rijeka Town distribution network simplification *(Croatian)* 2−17707
rural, reconstruction and modernisation, current energy demands *(Polish)* 2−22914
rural, voltage control 2−7533
Schwaben AG distribution network mains automation system for load distribution *(German)* 2−27470
sectional electric mains insulation parameters, effect of leakage relay *(Russian)* 2−17761
semiconductor traction substations, mining distribution network overloads, operational effects *(Russian)* 2−27476
sequence of events recording systems/ 2−3806
short-circuit current calc. *(German)* 2−27456
short-circuit currents frequency of occurrence and magnitude determ. using automatic counter *(Slovak)* 2−3041
six-phase systems, charact. and behaviour under fault *(Italian)* 2−7525
spontaneous informations frequency anal. *(Croatian)* 2−17706
spurious protection operation in open-cast mining and quarrying power networks caused by circuit oscillations methods of avoidance *(Russian)* 2−27485
static state estimation system for monitoring and control *(French)* 2−27466
stochastic model for PLC systems 2−12243
supplying value convertors with phase shifters, voltage non-sinusoidality factor determ. *(Russian)* 2−12237
surge arrestors, operating duty due to indirect lightning strikes 2−12314
Swedish State Electricity Supply System power distribution plans and equipment *(Swedish)* 2−27351
switching station design allowance for network conditions and switchgear ratings *(Italian)* 2−12736
switching surges experimental research strategy *(Russian)* 2−27469
total power plan for a modern research center, pharmaceutical plant 2−22904
transformer insulation hazard due to abrupt lightning surges *(Polish)* 2−17708
underground Al cables, LV and MV, compression jointing methods and problems *(Spanish)* 2−22928
urban electricity supply in India, reliability problems and remedies 2−7537
voltage disturbances in electrical networks *(Hungarian)* 2−22870
working in live MV networks in Hungary, practical problems *(Hungarian)* 2−3746
Zagreb, 110 kV, introduction of transformer station giving concept, construction and protection *(Croatian)* 2−27473
SF_6 circuit breakers for distribution networks up to 36 kV, type SFG, Mitsubishi Electric product 2−23391
Si rectifier protection against overvoltages *(Russian)* 2−28012

distributions, statistical *see statistical analysis; statistics*

distributive data processing
see also goods dispatch data processing; stock control data processing; warehouse automation
electrical contracts EDP appl. in small business management *(German)* 2−23949
telephone company computer system 2−2450
voice response systems 2−6630

district heating
1270 MW PWR power station with district heat supply *(German)* 2−23013
annual cycle energy system experimental performance and national applicability 2−13074
business opportunities for electric utilities 2−23775
calculations of operating conditions and of operational energy factors of heat producing plants of single circuit nuclear power stations 2−12361
choice of optimum parameters of network coolant for heat-producing systems with nuclear district heating plants 2−12360
coal-fired combined heat and power unit for district heating in London borough of Southwark 2−7712
coal-fueled central cogeneration, large biomass 2−17943
cogeneration and district heating cost separation, allocation methods 2−23077
cogeneration and district heating systems, United States 2−3897
cogeneration district heating systems, retrofitting and decentralisation 2−23076
cogeneration energy systems, market potential 2−17946
cold water district heating with ion wind system, improved utilisation factor with lower cost *(German)* 2−12419
combined electricity and heat generating station of Brescia, Italy *(Italian)* 2−23083
combined electricity and heat generating stations with standard modules, design and layouts *(German)* 2−3906
combined electricity and nuclear heat generating systems, design considerations *(German)* 2−3840

district heating continued
combined generation of heat and power for district heating systems, fuel savings *(German)* 2−12464
combined heat and power generation for district heating, primary energy saving, new calc. method *(German)* 2−12415
combined heat and power generation in power plants for optimised energy utilisation *(Hungarian)* 2−17925
combined heat and power nuclear systems, construction and economic assessment 2−27623
combined heat and power schemes based on nuclear power for Britain, case for 2−3841
combined heat and power supply planning and cost estimation *(German)* 2−27706
development support by Federal German Government *(German)* 2−17955
developments in district heating from nuclear power 2−27624
dispatch station computer-aided control methods *(German)* 2−3891
Eastern Europe district heating current status *(Hungarian)* 2−17926
energy savings through intermittant operation of district heating schemes *(German)* 2−23066
grid-connected integrated community energy system 2−17945
Hamburg's hot water district heating system, use of heat meters *(German)* 2−27672
head demand and tariff planning *(Russian)* 2−23753
heat distribution centres, computer simulation 2−23071
heat energy meas., economic efficiency *(German)* 2−12414
Holland, future development *(German)* 2−12413
load prediction for energy saving *(German)* 2−28230
long distance thermal energy transport for district heating appls., economic viability 2−17940
Minnesota state hot water cogeneration district heating system 2−17944
municipal heat and power plant and the problem of emission *(German)* 2−27670
nuclear power plant, SECURE, waste heat utilisation 2−7623
nuclear power stations, with extended condenser sections, efficiency improvement *(Russian)* 2−3843
nuclear powered, Scandinavian approach *(Norwegian)* 2−17927
Nuremberg distinct heating power station chimney design *(German)* 2−27684
power station, electrical versus thermal energy flow P-Q diagram, anal. *(German)* 2−3905
power stations, optimum thermal load sharing, computer models *(German)* 2−3907
present applications of chemistry/ in thermal power stations/ *(German)* 2−3904
PTVM-50 and PTVM-100 boilers charact. 2−27738
railway wagons transporting hot water from nuclear power stations to local supply centres, feasibility study *(German)* 2−3887
refuse incinerator plant, Budapest 2−7714
regional supply concerns supplying low-temperature heat for space heating, economic aspects *(German)* 2−23767
steam and gas turbines utilisation, USA 2−18031
steam turbine, mass and volumetric flowrate calc. 2−27734
steam turbines during light heating load, operation as generators of electric power, economic feasibility 2−23112
steam turbines testing district heating plant steam turbines thermal testing 2−27728
system for Furstenfeld in Austria using terrestrial heat sources *(German)* 2−12418
system operational reliability improvement *(Spanish)* 2−27698
technical aspects of solar energy systems for low-calorie applications *(Dutch)* 2−23196
thermal and electric power generation, optimum operation *(Rumanian)* 2−27669
thermal power station waste heat, economic disadvantages *(German)* 2−12465
Thomson effect and its use in district heating systems *(Czech)* 2−7701
total energy district heating and cooling in Reggio Emilia, Italy 2−23149
turbopump for feeding district heating power plants, reliability and feasibility *(Rumanian)* 2−12459
USA coal-fired district heating power plants, technical and economic aspects 2−23126
warm water rejected by power stations, appls. *(French)* 2−27679

diversity reception
see also fading
6 GHz 16 QAM digital radio performance with adjacent channel interference 2−2684
crosspolarisation site-diversity measurements at 11.8 GHz 2−26464
digital, Rayleigh fading channels, bit error rates of selection diversity systems 2−11007
digital microwave radio, 90 Mbit/s systems, extended range adaptive equalizer design 2−2675
digital microwave radio, 91 Mbit/s systems, cofreq. cross-polarized operation during multipath fading 2−2676
fading diversity channels, minimum mean square error equalisation of interference 2−6750
frequency hopping techniques considering coherence bandwidth, effect of diversity 2−11001
low-angle fading, site diversity meas., comparison with theoretical model 2−10470
minimum mean square error equalization of interference of fading diversity channels 2−10534
multipath fading in microwave links, propagation characteristics *(Japanese)* 2−21733
North Sea troposcatter link, angle and space diversity tests 2−10509
over-sea line-of-sight radio links, optimum diversity separation for min. fading 2−10981
space diversity antenna switching Johnson 800 MHz logic trunked mobile radio system appl. 2−2702
space diversity combining of narrow-band digital signals in the presence of interference 2−2674

divertors
see also surge protection
distribution surge arrestors, operating duty due to indirect lightning strikes 2−12314
HV systems, protection and co-ordination of insulation against overvoltages of internal origin *(Spanish)* 2−27579

dividers, frequency *see frequency dividers*

dividers, voltage *see voltage dividers*

dividing circuits
analogue divider appl. in meas. and control engineering *(Czech)* 2−14232

dividing circuits continued
digital code convertor, effect of buffer dividers on nonuniform binary pulse sequences *(Russian)* 2−5168
electronic organ divider ccts., using 4520 ICs 2−2967
linear-time divider array 2−14049
logarithmic amplifier, used as variable divider, with automatic amplitude limiter *(Italian)* 2−9166
non-inverting integrator appl. *(German)* 2−878
parallel multiplier and divider array, carry look ahead cct. for propag. delay decrease 2−9134
phase-locked loops appl. *(German)* 2−19596
pulse amplitude dividing circuit for nuclear applications 2−11853

DLTS *see deep level transient spectroscopy*

document retrieval *see information retrieval*

documentation *see information science*

documentation, program and system *see program and system documentation*

Doherty amplifiers *see power amplifiers*

domains
see also electric domains; magnetic domains
No entries

domestic appliances
see also hotplates; ovens; refrigerators
air-conditioning mechanisms, rotary compressor efficiency improvement 2−28257
commutator type motors, RFII from household appliances, suppression, ccts. 2−7813
consumer and quality control 2−4484
consumer information feedback to manufacturer *(Polish)* 2−13317
current operated earth leakage cct. breakers for protection against AC and DC fault currents 2−7956
dual CMOS telebreaker, description and use in a domestic installation *(Spanish)* 2−9181
EFM 5 monitor for RF leakage meas., 200 kHz to 1 GHz range, industrial, consumer devices appl. 2−26050
electric cooking unit electronics *(German)* 2−23759
electric machines, small, research, design and testing in Institute of Electrotechnics *(Polish)* 2−27952
electric machines for consumer goods, operating and dimensioning problems *(German)* 2−18146
electric water heating in the home, advantages *(French)* 2−28229
electrical motors, types, charact s., and appls. in household appliances 2−4022
electronics for mass consumption *(Slovenian)* 2−28260
electronics in small electric appliances *(German)* 2−23785
heating regulation, microprocessor-based control, economics *(French)* 2−4473
household electrical appliances, role of marketing organisations 2−4482
integrated residential boiler and domestic hot water appliance, field testing 2−17952
microprocessor controlled testing *(German)* 2−18973
microwave ovens, automatic matching used to improve efficiency *(German)* 2−18762
packaging and protection against corrosion 2−4483
quartz tungsten infrared lamp for domestic heating appliances *(Japanese)* 2−8101
refrigerator alarm, using rod thermistor temperature sensor 2−872
refrigerators and deep freezers, employing electronic protection and control circuits *(German)* 2−4481
switches, geysers and heating mantles, safety and reliability tests 2−8100
ticking eggtimer, constructional details 2−14238
TV set and peripheral equipment interconnection for VDU use *(French)* 2−21952
use of microprocessors and computers in office administration, automobiles and domestic appliances *(French)* 2−28202
Valvo capacitive humidity sensor, for domestic use 2−22230
washing machine manufacture, quality control, microcomputer-based system charact s. *(German)* 2−8290
washing machine small electric universal motor commutation reliability and anal. 2−23324

doping, semiconductors *see semiconductor doping*

doping profiles
arbitrary mask edges, two- and three-dimensional analytical solns. for post-anneal implant profiles 2−25284
I^2L and Schottky fed logic designed using two dimensional device simulation 2−5731
ion implantation, profiling layers with spreading resist. probe 2−14777
ion implantation control, pulsed CV system 2−5670
ion implantation low-dose process control monitoring using MOS capacitor-voltage profiling 2−14776
ion-implantation low-dose monitoring, C-V profiling, technique appl. 2−14775
linear phase shifters using optimum varactor diode doping profiles 2−9226
low energy implant simulation using target tilt 2−5665
measurement using computerised IR microspectrophotometer 2−17150
MIS structures, minority carrier lifetime and doping profile determ. by photoinjection 2−9504
monolithic ICs, insufficient diffusion, SEM meas. *(German)* 2−14766
MOS capacitor, B doped, generation lifetime, C-t characteristics meas. 2−14714
MOS structure, low-doped, pulsed photoinjection, characteris. of doping level and minority carrier lifetime 2−9512
polyacetylene, diffusion of SbF_5 and I_2 2−25146
polyacetylene, p-type, dopant profiles and optical and electrical props. 2−20119
semiconductor superlattices, electronic properties, struct. and growth techniques 2−1221
simultaneous deposition and ion implantation technique 2−5682
VLSI, modelling and meas. of two dimensional low conc. B profiles 2−1450
wafers, doping distribution variation reduction method 2−1289
X-ray fluorescence spectroscopy, determ. of centroid depths 2−25149
Al/n-Si, small area laser beam annealing, subsurface alloying and deep Al penetration 2−1232
As implantation/diffusion profile in Si, sheet resist.-junction depth relationship 2−9549
Cu_xS/CdS solar cells, characterisation by photocapacitance IR quenching 2−12863

doping profiles continued
GaAs, ion implanted and laser annealed, residual damage, TEM study 2−14773
GaAs, single step selective implantation technology using proximity annealing, 10 GHz FET fabrication 2−9550
GaAs:Fe, impurity redistrib. on annealing, saturation density 2−1194
GaAs:Mn, heat treatment below Si_3N_4 encapsulant of Mn implant, dopant profiles and diffusion mechanism *(French)* 2−1298
n-GaAs:S, MBE layers, electrochem. S doping 2−25143
GaAs:Se, ion implantation, substrate orientation effects 2−14762
GaAs:Se(S), impurity profile, implantation temp. and crystallinity depend. 2−20182
GaAs:Si, ion implanted and annealed, carrier conc. profiles, C-V meas. techniques 2−9552
GaAs:Sn, laser implantation, impurity distrib. 2−20184
n-GaAs:Sn, laser-assisted doping from Sn evaporated films, ohmic contact form. 2−20194
GaAs:Zn, nonequilib. substitutional-interstitial Zn diffusion, photoluminesc. study 2−9557
GaP:Mg, ion implanted, minority carrier diffusion length meas. 2−14658
GaP:N, Al^{2+} postimplantation gettering effects in p-n junctions 2−9485
Ge:Al, ion implanted, annealing behaviour obs., Al conc. profiles determ. 2−24948
Ge-Se:Ag films, photo and electrochem. doping, AES and XPS study 2−25145
$In_{0.53}Ga_{0.47}As$ on InP substrate, Mn as p-type dopant, distrib. coeff., room temp. mobility and diffusion coeff. 2−14759
p-$In_{0.75}Ga_{0.25}As_{0.55}P_{0.45}$:Cd LPE layer, doping charact s. and elec. props. 2−20186
InP, LPE-grown, effect of substrate orientation on electrical properties 2−14636
InP, semi-insulating, Fe and Cr redistrib. 2−5689
InP:Fe, Mg(Zn), ion implanted, struct. and elec. props. 2−14761
PbS, PbSe abrupt p-n junctions, R_0A product, dopant conc. effect 2−14681
Si, dopant profile broadening, melting phenomenon and laser annealing 2−2068
Si epitaxial film deposition in CVD reactor, transients 2−13817
Si epitaxial layers on Si substrate, elec. props. 2−20060
Si extrinsic focal plane arrays, influence of material props. 2−11495
Si, ion implanted, solute trapping after laser annealing 2−25132
Si, ion implanted, supersaturated alloy form. during epitaxial regrowth, substitution solubility limitations 2−25131
Si, MBE, background and dopant impurities in film and film-substrate transition region, elec. transport 2−1153
Si, meas. in thin layer structures using spreading resist. technique 2−20195
Si, p-n junction depths, impurity profiles, XFA 2−25149
Si:As, CW laser and electron beam annealed, Rutherford backscatt. and SIMS anal. 2−25108
Si:As, implanted, CW laser annealed, real-time monitoring of opt. props. 2−25136
Si:As, ion implanted, doping profiles and elec. activation, Rutherford backscatt. study 2−14763
Si:As, ion implanted, radiation damage determ. by profiling oxide growth rate 2−20213
Si:B, B profiling using neutron induced reaction $^{10}B(n, \alpha)^7Li$ 2−1281
Si:B, P, ion implanted, doping profiles, implantation sequence effect 2−25148
Si:B(As)(In), pulsed laser annealing, melting phenomena 2−25155
Si:Bi, furnace and laser annealed, backscatt. and channelling anal., depth distrib. 2−25107
Si:Ga, high dose implanted, thermal annealing and elec. activation 2−1297
Si:Ga(Sb), MBE grown, sharp profiles with high and low doping levels 2−9551
Si:H,B amorphous film, elec. props., optical props. 2−25015
Si:H amorphous films, gas phase doped or ion implanted 2−20191
Si:Sn(Fe), laser implantation, impurity distrib. 2−20184
Si-SiO_2 MOS system, As implants through SiO_2 layer, TEM, Rutherford backscatt. and device charact s. study 2−20198
SiO_2 mask, lateral spread of implanted ions under mask edge, implantation angle effects, TEM obs. 2−20192

Doppler broadening *see Doppler effect*

Doppler effect
see also atomic spectra; spectral line breadth
atmosphere radaracoustic sounding, estimation of Doppler freq. pulsation energy spectra *(Russian)* 2−27276
blood velocity measurement by fibre optic laser Doppler anemometry 2−27135
charged dust particles, dynamics in elec. field, laser Doppler velocimetry study 2−7217
coherent 95 GHz radar achieves 40 dB sub-clutter visibility 2−26535
differential Doppler shift meas. 2−21342
EM wave scatt. at plane boundaries at normal incidence, use of De Smedt construct, comment and reply 2−2113
frequency shift meter, subsurface radar sounding of stratified media 2−2820
frequency standards stability improvement, cooling atomic ions with lasers 2−11317
heavy ion beams, laser cooling 2−7268
HF freq. multiplier, laser velocity meter appl. *(Russian)* 2−890
human digital arteries, noninevasive pulsed Doppler blood blood vel. meas. and calc. flow 2−17335
industrial and boiler furnace combustion chamber design, laser-Doppler anemometry appls. *(Italian)* 2−12484
laser anemometer, separated turbulent boundary layer in supersonic flow obs. 2−11997
laser anemometry, optical discriminator for Doppler frequency shifts *(Russian)* 2−2057
laser Doppler anemometer for particle velocity meas. in electrostatic precipitator 2−10444
laser Doppler velocimetry appl. 2−2059
laser radar and appls., review 2−11122
laser sweep anemometer for velocity profile measurement *(French)* 2−22437
laser velocimeter, electrochemical machining expts. appl. 2−2062
laser velocimetry for a large wind tunnel 2−22625
microprocessor-based Doppler sonar current profiler 2−3625

Doppler effect continued
microwave Doppler, radar for meas. of velocity and distance of traction vehicles 2−16502
microwave movement detector, based on Doppler radar principle *(German)* 2−22269
PRF pulse Doppler radar using FFT signal processor, target detection charact. 2−11116
radar, S/N ratio calc. 2−6852
radar signal performance, pseudorandom binary phase code with errors and Doppler-shifted CW 2−21291
radar surveillance of sea-state, surface current and surface wind 2−22736
radio signal in medium with small horizontal inhomogeneity 2−2131
ring gas laser, light-induced optical nonreciprocity 2−10357
ring laser wobble frequency, mirror vibrs. effect 2−10311
SAR imagery of ocean waves 2−6854
SAR response to orbital motion of azimuth ocean waves 2−17576
satellite based Doppler location, mean-term potential 2−6867
short backfire antenna for Doppler sensing 2−26043
smog forecasting, accurate Doppler radar meas. of atmospheric speed of sound *(Russian)* 2−27275
speed meas. error anal. 2−3280
ultrarelativistic backward-wave tube with anomalous Doppler effect, transient nonlinear theory 2−20028
US, blood flow detect. by intersecting zone Doppler unit 2−22553
US blood flowmeter, minicomputer-based 2−11918
US blood flowmeters appl. *(Spanish)* 2−7322
US CW Doppler FHR signals, meas., extraction and processing *(Chinese)* 2−7463
velocity measurements at the high-speed wind tunnel TVM 150/ using a laser Doppler anemometer/ 2−3538
Venus, surface reflection of radio waves, analysis of shape of Doppler spectra 2−21886
vortex characterisation and identification by Doppler ultrasound 2−11909

Doppler shift *see Doppler effect*

dosimeters
see also dosimetry; thermoluminescent dosimeters
calibration, α-particle irrad. chamber 2−27219
electret dosimeter for neutrons and gamma rays 2−11815
FBX dosimeter, use for calibration of ^{60}Co and high-energy teletherapy machines 2−27218
film dosimeters, filtered X-ray set for calibration *(Bulgarian)* 2−7349
metaphosphate glass dosimeters, radiophotoluminesc., time-resolved study 2−11803
multisegmented ion chamber for CT scanner dosimetry 2−3520
personnel dosimetry devices, film badge rel. to pocket chamber dosimeter 2−22577
radiochromic dye dosimeters, radiation-exposed, delayed darkening study 2−17435
Rem equivalent personnel neutron dosimeter for neutron energies of 1 eV-14 MeV 2−3516
skin dose rate meter, high range, using a Si diode as a detector 2−3517

dosimetry
see also dosimeters; radiation detection and measurement; radiation monitoring
Browns Ferry Unit-3 cavity neutron spectral analysis 2−23062
C-CD, gamma-induced noise anal. and meas. 2−14859
computerised tomography, dosimetry survey of systems from 10 manufacturers 2−22576
CR 39 polymer track detectors, neutron dosimetry, sensitivity rel. to etching process 2−3415
cylindrical ion chamber for neutron dosimetry, charact., book contrib. 2−17271
diagnostic X-ray machine, exposure meas. solar cell appl. 2−27221
electron beam dose measurements in water and polystyrene, comparative studies using various dosimeters 2−27215
electronic radiography in X-ray diagnosis/ during surgical procedures/, dose reduction 2−3464
ELMO Bumpy Torus proof-of-principle device, one-dimensional γ-ray and photoneutron shielding calc. 2−3514
fast neutron dosimetry, nonhydrogenous ionisation chamber appl. 2−11839
gamma constant and the gamma equivalent in dosimetry 2−6986
gamma-beam therapy planning optimisation *(Russian)* 2−17407
graphite ionisation chambers, ionisation error due to porosity 2−11837
high-energy electrons, dose estimation using ionisation chambers *(Czech)* 2−11816
interstitial radiotherapy with parallel linear composite radiation sources, optimum dose field *(Russian)* 2−17432
ion chamber for kerma determ., charact., book contrib. 2−17264
ion chamber for neutron dosimetry, book 2−13143
ion chambers, kerma determ. 2−11825
ion chambers for neutron dosimetry, effective measuring position 2−11831
ion chambers for photon dosimetry, minimum operational requirements, book contrib. 2−17262
ion implantation, beam optics design, overview 2−1283
ion implantation, correlation between electrostatic scan pattern and local dose nonuniformities 2−5677
ion implantation, dose control technique 2−5678
ion implantation, dosimetry meas. 2−5673
ion implantation dose uniformity improvement by compensated scan pattern generator 2−5680
ion implantation equipment and techniques, conf., Kingston, Ont., Canada (July 1980) 2−4564
ion implantation system with X-Y scanning, sweep freq. optimal, selection 2−5679
ionisation chamber meas., stopping power influence 2−11827
ionisation chambers, effective meas. point for in-phantom meas. with photons 2−11830
ionisation chambers, fast neutron beam dosimetry physics group experiences in USA, book contrib. 2−17441
ionisation chambers for fast neutron dosimetry, charact., book contrib. 2−17266
ionisation chambers for neutron dosimetry cavity theory and its practical implications 2−17277
ionisation chambers in phantom irradiated by neutron beams, dose meas. 2−11832
isodose curve tracer, behaviour anal. and expt. check 2−11971
kerma values by particle type [dosimetry] 2−11826
kerma values for therapy appl. 2−11959

dosimetry continued
KT ion chamber charact., book contrib. 2−17263
lithography, use of radiation sensitive films, radiachromic dye derivatives in polymer 2−20324
low ionisation current meas., dosimetric problem 2−11824
lung tissues, radiation dose estimates from Rn daughters 2−17430
mammography, comparison of TLD and ion chamber dosimetry 2−22578
methane-CO_2-N_2, tissue-equivalent gas mixture, W_n values computation 2−11829
microdosimetry, criteria for equivalence of spherical and cylindrical proportional counters 2−17259
mixed-field dosimetry using ionisation chambers, uncertainty anal. 2−11834
MOS ionisation dosimetry device fabrication and testing 2−17434
NBS neutron monitor/ and dosimeter calibration facility/ 2−3409
neutron dosimetry, experience with ionisation chamber by ECNEU group, book contrib. 2−17442
neutron dosing gauge based on albedo dosimetric method *(Croatian)* 2−27220
neutron personal film monitoring, equiv. radiation dose behind proton accelerator shielding 2−11851
non-hydrogenous ionisation chambers, relative neutron sensitivity 2−11835
NRPB ion chamber for neutron dosimetry appl., charact., book contrib. 2−17269
nuclear and space radiation effect, conf., Seattle, WA, USA (July 1981) 2−18849
nuclear power plants, radiation doses due to accidental radioactive release, quick assessment *(German)* 2−7348
nuclear power station V-1, radiation protection and radiological supervision *(Slovak)* 2−7355
pancreatic cancer, radiotherapy, irrad. dose efficacy *(Russian)* 2−27198
proportional counter method, photon dose fraction determ. in neutron beam, expt. uncertainty 2−11840
radiochromic dye optical waveguides, broad-range dosimetry 2−17243
radiotherapy, grid diaphragm, open field and intracavity gamma therapy types, dose field form. *(Russian)* 2−17433
reference standard manufacture, advanced equipment design by ion implantation 2−5676
safety determ. of working in neutron radiation fields, detector error evaluation 2−11821
solid-state track detectors, neutron dosimetry and spectroscopy appls. *(Czech)* 2−3443
spherical ion chamber IC-17A for neutron dosimetry, charact., book contrib. 2−17268
TE ion chamber, thimble type, dosimetry appl., book contrib. 2−17265
TE ion chamber, tube length at gas exhaust port, influence on response, book contrib. 2−17275
TE ion chamber meas. for neutron dosimetry, interpretation and corrections and book contrib. 2−17272
TE ion chambers model IC-17 for dose meas., calibration constancy 2−17273
TE ionisation chambers, displacement correction factor 2−11833
thimble ionisation chamber for neutron dosimetry appl., charact., book contrib. 2−17267
tissue equivalent plastic ionisation chambers, response charact. in photon and neutron fields, book contrib. 2−17274
tissue-equivalent ionisation chambers, performance tests 2−17276
TNO spherical tissue equivalent ion chamber for neutron dosimetry, charact., book contrib. 2−17270
W-values relevant for neutron dosimetry 2−11828
X-ray therapy, improvement of small-field penumbra and dose distribs. for a 4 MV accelerator 2−22568
n-γ dose meas. in water phantom for 18.4 MeV neutrons 2−11836
AlP glass thermoluminescent dosimeters, dose response range *(Czech)* 2−27056
CaS:B, thermolum. phosphor, phys. parameters, operation importance 2−15400
CdTe detector characteristics for γ dosimetry 2−27213
^{85}Kr irradiation facility using pressurisation-dissolution method 2−7271
Mg-Ar ion chamber sensitivity to high energy neutrons 2−11838
SiO_2, irradiated, electron-hole recombination from microdosimetry viewpoint 2−14707
^{238}U decay constant, dosimetry and standards, fission-track dating workshop 2−7357

double heterostructure lasers *see semiconductor junction lasers*

double layers (electric) *see electrochemistry*

double refraction *see birefringence*

double refraction, electric *see electro-optical effects*

double refraction, magnetic *see magneto-optical effects*

doublet antennas *see dipole antennas*

DP industry
chip design separation from fabrication 2−18963
Hi-OVIS, fibre optics-based information society 2−10872
microprocessor impaction data storage, processing and transmission *(French)* 2−21427
nonimpact printers in word processing, electronic mail, DP and electronic printing and publicity 2−15638
printed circuit board repair and testing approaches 2−4684
telecommunications organisation information transfer systems standardization *(German)* 2−21414
viewdata market prospects in light of IBM involvement 2−21498

drawability *see ductility*

drawing (mechanical)
Dainichi Nippon Cable Ltd. SCR and DIP Cu wire rods, charact. and drawability *(Japanese)* 2−9257
glass fibre waveguide fabrication, quartz glass core with refl. silicone-rubber cladding 2−1718
nylon 6 film, effects of drawing on photoconductivity *(Japanese)* 2−15372
optical fibres, new primary coating method using thermoplastic tube 2−5996
ultrasonic drawing of fine wires 2−27317
Cu-Nb-Sn multifilamentary in situ wires, high-temp.-gradient casting 2−8844
Fe-Pd (18 to 52.5 at.%) alloy, cold drawn, mag. props., by mag. meas. and X-ray diffr. 2−9866
Nb_3Sn, ultrafine multifilament composite wires, processing limits 2−8846

drives
see also clutches; electric drives; propulsion
control and drive logic integrated circuits *(German)* 2−12669

drives continued
disc cartridge and drive, design 2−5899
industrial robots, hydropneumatic improvement 2−23660
inverter-fed synchronous motor, microcomputer controlled 2−18187
liquid crystal display, CMOS drive and interface circuits *(German)* 2−11539
marine Stirling engine dummy rhombic drive 2−12441
variable speed, digital tachometer for transient speed measurements 2−7129
drying
compression heat pumps, industrial application in drying and concentrating processes, technical and economic factors *(French)* 2−4486
grain, solar heated dehumidification system in India 2−8129
heat pumps, gas engine fed, for malting drying kilns *(French)* 2−28309
microwave, of porous materials 2−13076
microwaves industrial appl. 2−18761
plaster blocks drying installation using heat pumps *(French)* 2−4558
textile thread drying using microwave heating process *(French)* 2−28304
transformer heating due to single phase current, math. model *(Russian)* 2−4263
DTL *see diode-transistor logic*
duality (mathematics)
classes of functions, on approximation of a class by another class and extremal subspaces in L_1 2−8673
conjugate relations and weak subdifferentials of relations 2−24214
constrained l_1 estimation via geometric programming 2−4903
control aproximation problems and Fenchel-Rockafellar duality *(German)* 2−13640
discrete deterministic N-stage control problems *(German)* 2−13642
discrete linear L_p approximation algorithm 2−24237
extreme point linear programming problem 2−4892
fractional prgramming, appls. and algorithms 2−378
group divisible structures, appls. of algebraic duality 2−24028
homogeneous fractional programming, theorems 2−365
integer programming duality aspects 2−380
linear vector optimisation *(Czech)* 2−19092
mathematical programming, general duality theory survey 2−4906
matrix theory optimisation 2−8649
optimisation problems stability proof using duality correspondences *(German)* 2−425
primal geometric program soln. by partial dual optimisation 2−4910
Signorini problem in elastostatics, reciprocal formulation 2−13380
ductile-brittle transition
steel, structural and weldments, AE rel. to deform. and fracture 2−13877
ductile fracture
see also ductile-brittle transition
creep rupture detection at welds by AE 2−19471
steel, low alloy, medium- and high-strength, AE during ductile fracture, effect of proof stress, composition and microstruct. 2−13880
ductility
see also ductile fracture
steel, cost stainless, low temp. mech. props., appl. in Isabelle magnet tubes 2−11722
TMI-2 core/vessel/shield configuration, neutron spectral shift effects evaluation 2−17896
Al-Mg-Si conductor alloys, elec. cond. and mech. props. 2−610
Cu foil, PCB, electroplating, effect of manufacturing parameters on ductiiity/tensile strength of board 2−14481
ducts, cable *see electric conduits*
duplicating *see reproduction (copying)*
dust
magnetic tape units, dust problems rel. to reliability, major causes, elimination 2−20514
dust cores *see powder cores*
dust storms *see storms*
dye lasers
acid-base compound solns., stimulated emission characts., protolytic reaction rate influence 2−6188
2-amino-4-cyano-3,5-diarylfuran new class of lasing dyes 2−15476
amplified spontaneous emission from N_2-laser pumped dye lasers 2−15472
beamsplitter programs, for TI-59 with PC-100 printer 2−25814
cascade energy transfer dye lasers with wide tuning range 2−10264
coumarin 102, dye stability, temp., UV filter and solvent purity effects 2−25734
coumarin 102 synchronously pumped dye laser, improved performance by operating at increased repetition rate 2−6183
coumarin 1-uranine energy transfer dye laser, characts. 2−10260
coumarin 480 1 J dye laser, XeCl laser pumped 2−10257
coumarin vapour lasers, spectral and time characts., 470-540 nm range 2−20852
coumarin vapours, stimulated emission, 485-520 nm range 2−20851
CW dye laser with phase-conjugate mirror, longit. modes and aberration-correction props. 2−15477
CW laser passive mode locking with contacted and non-contacted absorbers 2−6179
CW mode-locked, pumped directly by Ar ion laser, near IR picosecond pulse generation 2−25730
CW tunable, absolute wavelength of Na lines determ. 2−20995
DFB dye lasers, ultrashort pulse generation, energy characts. 2−25733
DFB dye lasing as method for ultra short pulse length meas. 2−25821
dichlorodifluoromethane as dye laser tuning gas, refr.-index meas. 2−15527
7-diethylamino-4-methylcoumarin solution laser pumped with transverse-discharge flashlamps 2−1922
7-dimethylamino-4-methylcoumarin-fluorescein disodium salt, dye mixture laser, gain depend. on donor conc. 2−20841
double-wavelength flash-lamped pumped laser SHG and sum freq. generation in KH_2PO_4 cryst. 2−15554
dye-jet laser pumped by second harmonic of Q-switched mode-locked Nd^{3+}:YAG laser 2−20850
energy transfer dye laser, α-NPO-BBOT, characteristics *(Japanese)* 2−10262
etalon-tuned, wavelength calibration 2−15465
fibre light propagation, amplification by evanescent wave coupling 2−1734
figure of merit for laser dyes 2−1917
fine tuning, numerical control unit aids microcomputer in control *(German)* 2−1987
dye lasers continued
flashlamp-pumped dye laser, injection locking at small injection powers 2−15473
flashpumped two-freq. dye laser, high power short pulse generation 2−15540
frequency control dye laser on at. reference scanned by mag. field *(French)* 2−6191
frequency locking to Ne absorpt. line and output spectrum reduction 2−1923
Fresnel reflection halo lasers, planar laser action of 2D disc-shaped active material 2−10321
gain increase through dye self absorpt. identification and alleviation in laser pumped dye lasers 2−1920
Halo laser, two-dimens. operation *(German)* 2−25740
hard mode locking 2−10314
7-hydroxy-6-glucosido coumarin, dye laser system, solvent effects, laser emission, UV, visible and fluoresc. obs. 2−20844
injection locked flashlamp pumped, cavity resonances, narrow bandwidth oscillation 2−6192
IR laser, ruby pumped, with wide tuning range and high output power, operation 2−1919
IR lasing, narrow-band, linearly scannable, between 1.09 and 1.12 μm 2−6190
laser pumped long cavity dye laser, Ta subnanosecond light pulse generation, spectral band modulation 2−10254
laser pumped tunable dye laser, subnanosecond pulse generation, cavity length change effect 2−10252
laser pumped tunable dye laser, subnanosecond pulse generation, rate eqn. model 2−10253
laser-pumping flashlamps, failure, reson. mechanism 2−10324
lasing under Cu vapour laser radiation influence 2−1921
LD-490, dye stability, temp., UV filter and solvent purity effects 2−25734
liquid crystal matrix variable polarisation dye laser 2−10263
mixed dyes, output props. and energy transfer 2−20853
mode coupling, semiclassical theory *(Chinese)* 2−15468
mode-locked laser oscill. using self-pumped phase-conjugate refl. in Eastman Kodak type A 9740 and A 9860 dyes 2−6240
mode-locked pumping theory 2−20849
mode-locked synchronously pumped CW dye laser pulse emission obs. using streak-camera 2−6189
multimode CW lasers, quantum intensity fluctuations, intracavity laser spectroscopy sensitivity 2−25742
α-2-(1-naphthyl)-5-phenyl oxazole, dye laser, effect of solvent on gain 2−20842
narrow band dye laser tuned with two gratings *(Chinese)* 2−10329
optical whiteners, Ranipal and Ranipal-S, lasing action, spectral study 2−20843
organic solution laser, coaxial pump props., influence of laser efficiency 2−6181
oscillator with interferential wedge in short cavity, Fourier-limited pulses 2−1918
oscillator-amplifier eight-cell dye laser, pumped at 308 nm, spectral coverage optimisation 2−15466
oxazine 17 tunable high-repetition-rate lasers pumped by Cu vapour laser 2−25743
passively mode-locked CW dye laser theory 2−25735
phase conjugate mirror resonator for CW dye laser 2−10322
phenyl-acetoxy anthracene derivatives, laser emission 2−15471
picosecond dye laser, synchronously pumped, theory 2−25732
picosecond optical pulse waveform, single-shot meas. using optical fibres and Pockels cell 2−10334
POPOP solution laser pumped with transverse-discharge flashlamps 2−1922
POPOP vapour DFB laser 2−25744
power supply for dye Q-switched lasers, simple charging and triggering cct. *(Chinese)* 2−13934
PTP-dioxane 1 J dye laser, XeCl laser pumped 2−10257
pulse energy and stability regions in passively mode locked dye laser with linear cavity config. 2−20839
pulse generation, subnanosecond, by grazing-incidence on two gratings 2−6185
pulsed, tuning using compound cavity *(Chinese)* 2−1973
pulsed dye laser, 5 J 1.8 μsec pulse 10 pps, for Raman spectroscopy in combusting media 2−15478
pulsed dye laser cell design 2−20924
Raman spectrometer employing pulsed dye laser and gated analogue detection 2−15583
resonator, grating tuned, beam expanding prism influence on linewidth and expansion ratio 2−15524
rhodamine 110 (6G,B) tunable high-repetition rate lasers pumped by Cu vapour laser 2−25743
Rhodamine 6G, aq. solns., influence of surface active materials on laser efficiency 2−6182
rhodamine 6G, dye stability, temp., UV filter and solvent purity effects 2−25734
rhodamine 6G, halo type, panoramic radiation *(French)* 2−25736
rhodamine 6G, laser dye, photobleaching study 2−20951
rhodamine 6G, ultrashort cavity dye laser, picosecond laser pumped, theory 2−1975
rhodamine 6G 1 J dye laser, XeCl laser pumped 2−10257
rhodamine 6G DFB laser, ultrashort pulse generation, temporal characts. 2−25731
rhodamine 6G dye laser, high power efficient, pumped by Cu vapour laser 2−20845
rhodamine 6G dye laser, output spectrum alteration under mode locking conditions 2−25739
rhodamine 6G flash-lamp pumped dye laser, cavity dumped PTM mode operation *(Chinese)* 2−10255
rhodamine 6G image intensifier, pumped by ruby laser *(Russian)* 2−11380
rhodamine 6G in methyl methacrylate and methacrylicacid copolymer, photo and thermal bleaching 2−10347
rhodamine 6G laser, highly stable acousto-optic mode-locking using active feedback 2−6161
rhodamine 6G laser, reliable high power repetitive pulsed, pumping by linear preionised flashlamps 2−15475
rhodamine 6G mode-locked CW laser, subpicosec. pulse internal amplification 2−15474
rhodamine 6G pumped by Nd:YAG freq.-doubled source, sub-picosec. pulse generation and amplification 2−6187

dye lasers continued
rhodamine 6G single-mode CW laser radiation freq. doubling in reson. passive ring cavity 2−6186
rhodamine 6G solution laser pumped with transverse-discharge flashlamps 2−1922
rhodamine 6G synchronously pumped dye laser-amplifier system, high-energy picosec. pulses 2−20848
rhodamine 6G with compounds resonator pumped by Xe-ion laser 2−10265
rhodamine-6G, flashlamp pumped dye laser, spectral and spatial props. 2−10259
ring dye laser, rapid freq. scanning 2−15514
ring laser, travelling wave, subpicosecond pulse generation using synchronous double-modulation 2−6237
ring lasers, synchronously pumped and hybrid, subpicosecond pulse generation 2−6239
single-frequency tunable pulsed dye laser with diffraction grating 2−20847
single-mode CW dye laser, Michelson mode selectors, spatial hole burning compensation 2−6177
single-mode pulsed dye laser, design criteria and operating characts. 2−6178
single-mode pulsed dye laser 2−25745
stilbene 3 synchronously pumped dye laser, improved performance by operating at increased repetition rate 2−6183
subnanosecond pulses, develop. using spiking phenomena and regenerative oscill. effect 2−15467
subpicoseond CW passively mode-locked ring dye laser, time-resolved fluoresc. spectroscopy appls. 2−20840
synchronously mode-locked and internally freq.-doubled CW dye laser anal. 2−25737
synchronously pumped, temporal and spectral studies, autocorrel. meas. detailed interpretation 2−10258
p-terphenyl, pumped by high energy XeCl pulses, laser characts. 2−15470
thin film optical waveguiding evanescent, with corner reflecting resonator 2−1916
transverse-pumped dye amplifier, analytical theory 2−25738
tunable dye laser study from 330-975 nm using XeCl excimer laser UV pumping source 2−6184
tunable high-repetition-rate lasers pumped by Cu vapour laser 2−25743
tunable picosecond pulse generation, 750 to 780 nm by passive and synchronous modelocking 2−10261
tunable waveguide dye laser, 200 W power output and narrow bandwidth 2−6180
ultrashort cavity tunable dye laser, picosecond laser pumped, theory 2−1975
UV, fluorescence characteristics of dye vapours *(Japanese)* 2−1955
wideband dye laser as source in spectral information-transmission system 2−20846
Ar-pumped dye laser operation 700-800 nm region, energy transfer dye mixture 2−25741
2,2″-dimethylparaterphenyl laser emission at 77K 2−15469

dynamic braking *see braking*

dynamic programming
see also integer programming
analysis of electric power brokerage systems 2−27390
Bayes procedures for detecting a shift in the probability of success in a series of Bernoulli trials 2−4809
book 2−13646
convergence of dynamic programming models 2−24210
deterministic systems, identification techniques 2−178
discrete recursions, polynomial bounds on problems with block-triangular structure 2−8648
dynamic programming inequalities associated with the deterministic optical stopping problem in discrete and continuous time 2−19262
energy resource development systems, dynamic linear programming models 2−17805
equation of dynamic programming, remarks 2−381
fuzzy expectation values in multistage optimization problems, nuclear reactor investment strategy example 2−12375
generator distribution among bus and switch structures for various voltages at power plants 2−27407
hydro electric system, optimal management *(French)* 2−18064
Markov decision processes, computational methods 2−8458
Markovian renewal process, dynamically optimised replacement 2−8530
multiobjective dynamic programming method for capacity expansion 2−389
noncausal problems appl. 2−2371
nonlinear stochastic systems, optimal control 2−383
On the Bernoulli two-armed bandit problem 2−222
one armed bandit adaptive control problem, optimal solution 2−4904
optimal short-term operation of power systems, inaccurate input data influence 2−3711
p-optimal policies existence 2−24211
parabolic Bellman equation 2−8651
phase estimation and data decoding on random phase channels 2−15834
picture and signal processing appl. 2−2330
power system dynamic optimisation, hierarchical approach 2−17663
power systems, optimization methods in planning and operation 2−27431
priority assignment using dynamic programming for class of queueing systems 2−193
short-term operation planning in electric power systems 2−7768
singular perturbation results for class of stochastic control problems 2−385
spinning reserve constrained static and dynamic economic dispatch 2−27389
stochastic dynamic programming, caution and programming concepts 2−388
stochastic dynamic zero sum two person games, optimal strategies in minimax decision models *(German)* 2−13429
Taylor's series approximation method using dynamic programming 2−19267
tidal power plant, France, new operational model 2−27810
transmission line CAD, overhead 2−12263
two partially observed competing queues, stochastic control 2−194
variable speed tail chase aerial combat problem 2−8456
wastewater management programme design as moving-target exercise 2−23136

dynamic response
300 MW turboalternator, short cct. tests on dynamic torsional response 2−4025
300 MW turboalternator, torsional oscillations damping anal. and obs. 2−4026
coal gasification combined-cycle power plant dynamic response and control strategy 2−18041
efficient method for real-time simulation of large power system disturbances 2−27387
electric drives, complete subsystem convertor cascade with 6/12-pulse feedback system, digital simulation 2−23665
finned-tube heat exchanger dynamic behaviour model and expts. *(German)* 2−27616
improvement in the transient response/ of a hydrosystem/ by compensation/ and stabilising signals 2−3957
induction motor dynamic analysis during power supply imbalances 2−4127
magnetohydrodynamic steam power plant, simulation of dynamics 2−12495
nuclear power station U-tube boilers, dynamic thermal-hydraulic behaviour 2−17861
once through steam generator, nonlinear mathematical model 2−12488
optimal tracking of the dynamic performance of an induction machine 2−27917
power system electromechanical model, algebraic and dynamic simplification *(Italian)* 2−17633
power transformer windings under axial short cct. conditions, dynamic response anal. 2−27976
probabilistic approach for power system/ dynamic stability studies/ 2−3693
PWM discrete stabilised power supply in elec. motor car, dynamic behaviour anal. *(Russian)* 2−4430
stability of simple power system, computerised analysis 2−12131
static characteristics and dynamic runs measurements in low-power induction motors *(Polish)* 2−7847
static frequency convertor, mains guided, dynamic behaviour *(German)* 2−12717
synthesis of dynamic load models for stability studies 2−22835
voltage source invertor-fed machines, influence of volts/hertz control on filter impedance effects 2−18255
wind turbine generators, dynamic response prediction by generalised simulation model 2−18139
wind turbines, horizontal axis, axisymmetric, large size, dynamic stability and economic viability 2−18130
SF_6 breakers, dynamic characts. calc. 2−4311

dynamic stability *see stability*

dynamic testing
see also fatigue testing
No entries

dynamoelectric amplifiers *see rotating amplifiers*

dynamometers
see also force measurement
eddy-current, operating principles 2−3283
mechanical loading, static and dynamic, instrument with modulating capability 2−17137
regenerative dynamometer system for engine testbed 2−22210
regenerative voltage source inverter for dynamometer applications 2−18353

dynamos *see d.c. generators*

ear
see also hearing
brainstem response audiometry, ear-canal rel. to mastoid electrode placement 2−11935
cochlea, human, multiple-electrode implant array, current distrib. meas. 2−3495
input immittance meas. for human ear 2−17186

ear microphones *see microphones*

earphones
see also hearing aids; telephone sets
stereophonic signals optimum reproduction *(German)* 2−2995

Earth
see also Earth rotation; earthquakes; geodesy; geomagnetic variations; geomagnetism; terrestrial electricity
natural gas reserves of nonbiological origin in Earth's interior, hypothesis *(German)* 2−27610

earth (electric) *see earthing*

earth (soil) *see soil*

Earth crust
see also geology; oceanic crust
deformation measurement by zero method pendulum *(Rumanian)* 2−17555
magnetotelluric inversion, new technique for layered Earth interpretation 2−17544

Earth electricity *see terrestrial electricity*

earth electrodes
building lightning protection, electrodes and electrical resistance measurements *(German)* 2−22950
MV/LV transformer substation and LV distribution networks lightning protection 2−27578
power system earthing, anal. and recommendations for methods and materials *(Spanish)* 2−22953
telecommunication line interference caused by 110 kV overhead power lines *(Rumanian)* 2−3766

Earth interior
see also Earth crust; Earth mantle; tectonics
geomagnetic anomalies, computation of spectrum of potential field due to three-dimensional homogeneous bodies *(Chinese)* 2−3577

Earth lower mantle *see Earth mantle*

Earth magnetic field *see geomagnetism*

Earth magnetic field variations *see geomagnetic variations*

Earth mantle
seismic waves, recording system and mantle wave magnitude scale 2−17542

Earth rotation
clock synchronisation between two stations, using artificial satellite 2−3576

Earth rotation continued
inertial rotation measurements using passive ring resonator method, geophys. and relativity appl. 2−17135
Laser Synchronisation by Synchronous Orbit (LASSO) expt., present state *(French)* 2−3575

Earth satellites *see artificial satellites; Moon*

Earth third layer *see Earth mantle*

Earth upper layer *see Earth mantle*

earthing
see also antenna earths; earth electrodes
110 to 400 kV substations, earthing voltage meas. *(Finnish)* 2−17778
aircraft instrumentation system installation, practical aspects 2−17489
automatic phase failure switching in insulated-neutral networks *(Russian)* 2−12283
circuits, 6-35 kV, single-phase earth, in presence of current-limitation reactors *(Russian)* 2−12288
distribution networks, MV earth faults, damage caused and protective measures *(Italian)* 2−22906
distribution networks, MW, fault type, anal. and measurement *(Italian)* 2−27475
distribution networks earth fault protection, new concept *(Polish)* 2−27484
earth leakage testing in high rise buildings 2−27584
experimental study of transient ground impedances 2−12287
ground potential rise, RMS symmetrical, calc. methods for protecting telecommunication ccts. 2−17762
grounding, practical approach to safety 2−3784
grounding of generators connected to industrial plant distribution buses 2−17764
hazardous transferred earth potentials in power systems, design to avoid 2−12296
horizontal/vertical, use of Hummel's empirical formulae for practical planning purposes in a variety of soils *(Finnish)* 2−22948
hospital installations power supplies and back-up sources in case of failure 2−27443
hospital installations protective measures 2−27222
industrial power system neutral conductor distribution *(French)* 2−22952
installation of power generating units rated over 250 kV.A *(Polish)* 2−18937
instrumentation, meas. errors due to earth loops *(German)* 2−6347
instruments earthing, shielding and interconnection, conf., London, England (Jan. 1982) 2−23900
instruments grounding and interconnections design guidelines 2−26706
interconnected earthing system in two layer earth structure, mathematical model *(Croatian)* 2−27567
LV electric plants neutral earthing system selection for personnel protection *(Portuguese)* 2−22951
LV installations earth fault protection using differential devices *(Italian)* 2−22959
measurement of resistance of ground systems 2−17773
metalclad SF_6 switchgear for voltages of 300-1200 kV and fault currents up to 63 kA 2−7955
military HEMP grounding practices for equipment shelters 2−21158
miner electrical safety prediction using reliability techniques, fault tree for safety grounded/ground fault protection systems 2−18842
neutral deriving transformers for grounding LV systems with delta connected source transformers 2−12315
new wiring regulations, effects on designer and specifier, UK 2−4608
new wiring regulations for protection against indirect contact electric shock, UK 2−45
pipe-type cables with cathodic protection, earthing devices to cope with fault currents 2−12249
power equipment grounding and personnel protection in cement plants 2−17765
power system earthing, anal. and recommendations for methods and materials *(Spanish)* 2−22953
power systems, high-resistance grounding 2−17768
power systems with earthed neutrals in electric plants, personnel protection against indirect contact *(Portuguese)* 2−12305
testing of ground integrity, standards, problems, hospital appl. 2−3524
transducer output signal meas., interference origin and suppression *(German)* 2−3114
transformer substation lightning protection using additional earthing strips, effectiveness *(German)* 2−4259

earthquake recorders *see seismometers*

earthquakes
see also seismology
detection system for lifts that identifies initial tremor 2−12993
new dynamic control 4-moment vibration generator 2−26997
NPP Angra 2 reactor building, pile foundation seismic anal. 2−7657
prediction, appl. of telemetry ocean bottom press. obs. system at 2200 m 2−17566
prediction, tiltmeters function and prospects 2−12061
seismic qualification of flexible conduit, nuclear power plants 2−17851
seismic stability, Armenian Nuclear Power Station in USSR 2−17855

Eberhard effect *see photographic materials*

e.c.g. *see electrocardiography*

echelles *see diffraction gratings*

echelons *see diffraction gratings*

echo
see also anechoic chambers; architectural acoustics; clutter; reverberation; sonar
lower atmosphere, preliminary results from echo sounding 2−12071
digital echo, reverberation and chorus equipment *(German)* 2−16708
electrical and acoustic echo control in telecommunication networks 2−25970
pulse-echo systems, analogue implementation of analytic signal processing 2−21359
quasimonochromatic outgoing radiation pulse reflection by random surface, diffractal echoes 2−10459
radar echoes from pre-monsoon squalls over Dum Dum, India, 1975 to 1979 2−3603
radio-echo sounding of glacier beds, theory and appls. 2−7441
separation of two close echoes by power cepstrum *(French)* 2−10680
simulator for use with echo sounders, stable output giving variable depth simulation 2−2841
singularity expansion method, physical content 2−6846

echo continued
spherical targets, echo signal scatt. calc. 2−7240
thunderstorms radar echoes, relation of radar-estimated rainfall to satellite-based intensity 2−7434

echo suppression
4A Echo Canceller for domestic satellite circuits 2−25969
30-channel echo canceller associated with time-division exchanges 2−25972
adaptive echo cancelers with correlated data and correlated received signal, analysis of steady-state performance 2−15733
CIT-ALCATEL's echo suppressor and canceller systems for voice and data channels 2−25971
electrical and acoustic echo control in telecommunication networks 2−25970
microprogrammed echo canceller, new approach 2−26382
telephone, two-wire subscriber lines, digital echo canceller 2−16240
two-wire full-duplex data modem echo canceller structures 2−2557

ECL *see emitter-coupled logic*

ecology
aquatic organisms, power station cooling system entrainment and impingement effects, bibliography 2−3818
coal-fired power station systems and equipment with good ecological charact. 2−17998
cold water district heating with ion wind system, improved utilisation factor with lower cost, ecological side effects *(German)* 2−12419
electricity supply and environmental protection, need for objective legislation *(German)* 2−17624
estuaries environmental data collection, low-cost data buoy system 2−22737
heat pollution and river water cooled heat power plants *(Hungarian)* 2−17963
hydropower planning in USA, ecological aspects 2−18057
small hydropower resources, environmental and ecological issues 2−3965
soil moisture meas., microprocessor-based instrumentation 2−22095
Zn plating electrolytes, ecological properties *(German)* 2−13109

econometrics *see economic cybernetics*

economic and sociologic effects
see also demography; personnel; social aspects of automation
computer science, future problems for teachers 2−13202
data communications services, Canadian perspective 2−10768
development indices and the benefits of models regarding planning for development 2−8209
electricity generation, economic, social and health risks 2−27324
farm scale hydroelectric power below 50 kW, New Zealand 2−27778
flood control on the Parana and Paraguay rivers 2−7754
Hi-OVIS, fibre optics-based information society 2−10872
home working with remote terminals, prospective benefits and pitfalls 2−6608
imperative of renewable energy sources planning in a new economic and social order 2−17815
microelectronic technology, implications for Ireland in 1980s, isolated sectors 2−23885
microelectronics, effect on employment in western economies 2−8331
microelectronics, implications for Ireland in 1980s, overall assessment 2−23884
peat for US energy development program, overview of program goals and accomplishments 2−12337
policy implications of energy/development relationships 2−17817
power from nuclear fusion, economic and social choices in pursuit of goal 2−4603
productivity growth rate reductions in the US, discussion 2−8185
radioactive waste management, German Federal Republic developments *(German)* 2−17830
remote data processing, European Community initiatives and strategy 2−21608
solar cell production technologies economic impact on society 2−18596
some aspects of the socio-economic impact of the ESCOM expansion plan, S.Africa 2−22773
technological development and underprivileged nations 2−8203
telematics problems for business and professional users *(French)* 2−21536
telephony, social aspects 2−16020
transborder data flow, the international market 2−6498
USA economic benefits of increasing electrification 2−17659

economic cybernetics
energy resource development systems, dynamic linear programming models 2−17805
natural gas transmission and distribution systems, demand modelling 2−22915
nuclear power plants, regulation effect on capital costs and manual labour requirements 2−7626
quasi-Newton algorithm for the control of large nonlinear econometric models 2−434
security markets with continuous trading, theory 2−8563
verification/validation of an economic process model for electric power generation in the United States 2−12133

economics
1 MWp central photovoltaic plant, feasibility of connection to European electrical network 2−18085
11 kV rural distribution networks in India, cost reduction by graded construction 2−27474
34 kV overhead system with in-line loadbreak switch, cost effectiveness 2−27539
225 kV underground power transmission cables, natural and forced cooling, comparative economic benefits *(French)* 2−22918
260 MWe combined cycle power plants burning low-grade fuels, comparisons 2−27756
450 MW power generation unit for Puerto Rico, OTEC versus fossil fuel/nuclear plant, evaluation 2−3992
500 MWe solar central receiver hybrid plant, design and economic anal. for energy savings 2−3977
AC motor drives for electric vehicles 2−18665
AC motors, efficiency versus cost, discussion 2−12592
active solar heating and cooling systems, performance and cost 2−13084
aerospace industry, ESA cost incentives policy in development contracts 2−29
air compressor types, application and energy economics *(French)* 2−23257
airborne thermographic surveys, with economical data acquisition 2−3077
alternate policy and energy source economics 2−3838
array subsystem development for photovoltaic array fields cost reduction 2−23536

economics continued
assembled printed boards, testing *(German)* 2−1011
ATE, dedicated, microprocessor controlled, cost effective approach 2−22139
ATE, multi-port testing evaluation and future potential 2−22135
ATE computer programs, hidden cost considerations in long term use 2−18985
ATE Joint-Service developments 2−22141
ATE test programs development, in-house test engineering vs. outside vendor 2−24006
ATE with analogue pin electronics capability, cost effective approach 2−22123
beamed sunlight integration with artificial lighting as energy saving method 2−4465
boiler combustion 2−7736
building lighting automatic control plus natural daylight use, energy saving under various conditions calc., computer -program and nomogram *(Japanese)* 2−8087
bus operation in London, planning for rising full costs, review 2−18722
CAES system economics 2−12185
California energy futures, alternative societal scenarios 2−7599
Candu and PWR costs compared in Canada 2−12352
capacitance grain moisture meter testing using reference materials, savings assessment 2−17176
capital and operating costs estimation for central nuclear and coal-fired plants 2−3703
capital expenditure in process plants, corporate view 2−18914
chemical heat pumps and competitive systems, cost effectiveness and energy consumption evaluation 2−13089
chemical plant, N production, energy consumption monitoring, optimum utilisation *(Russian)* 2−18821
coal fired air turbine cogeneration 2−18043
coal mining, transportation and associated cost trends 2−17818
coal preparation plants in USA, instrumentation and automation systems cost effectiveness 2−27749
coal-derived fuel utilisation in gas-turbine combined cycles 2−18039
coal-fired and nuclear power plants, cost effectiveness 2−27348
coal-fired power plants in USA, fifteen capital cost estimates 2−27752
cogeneration and district heating cost separation, allocation methods 2−23077
cogeneration energy systems, market potential 2−17946
cogeneration power plants, coal gasification/combined cycle, anal. 2−17948
combined cycle plant, coproduction of electric power and methanol from coal 2−23070
combined generation of heat and power for district heating systems, fuel savings *(German)* 2−12464
combined heat and power appl. in automotive industry, cost effectiveness 2−8116
combined heat and power generation for industry, boiler systems *(German)* 2−17958
combined heat and power nuclear systems, economic assessment 2−27623
combined heat and power supply planning and cost estimation *(German)* 2−27706
communal heating systems, thermal energy storage from energy savings view point *(Dutch)* 2−23089
communications platform, economics of small users 2−11045
compressed air storage against water power, economic considerations for Netherlands *(Dutch)* 2−27764
computer engineering, principles of electrical energy economics *(Czech)* 2−8097
computerised testing, economics of functional testing of electronic devices throughout manufacturing cycle 2−8253
concentrating photovoltaic-thermal systems vs. side-by-side systems, cost effectiveness 2−23553
cost reduction using new communication methods, appl. of teleprinters and Telefax recorder *(German)* 2−2479
cost-effective high performance vacuum pump fluid, for semicond. processing 2−20161
customer costs of intermittency in electricity supply 2−17646
cycling of residential air conditioners, economic analysis and load management 2−17640
decentralized solar energy and the electric utilities 2−17648
denatured breeders, extended burn-up fuel cycle 2−3859
development of low power hydroelectric sites 2−7760
development projects analysis, methodologies review 2−30
digital and linear custom designed combined array optimised for large volume consumer appls. 2−24493
digital communication networks, economics of local distribution facilities 2−6523
digital switching introduction into local telephone exchange networks 2−10923
distributed power systems within elec. utility, economic operation 2−3687
distribution feeders, loss reduction methods 2−3744
distribution networks, power factor correction systems, cost effectiveness *(Russian)* 2−7538
district heating from thermal power station waste heat, disadvantages *(German)* 2−12465
district heating steam turbines during light heating load, operation as generators of electric power, feasibility 2−23112
district heating system for Furstenfeld in Austria using terrestrial heat sources, cost benefit study *(German)* 2−12418
domestic heating regulation, microprocessor-based control, economics *(French)* 2−4473
domestic hot water provision, eight technologies, comparative net energy analyses 2−23927
domestic space heating, heat pump sizing, cost effectiveness 2−23765
dry two-stage flue gas desulphurisation system for converted boiler 2−23131
East German railway diesel fuel economies from annual extension of electrification *(German)* 2−23679
economic life of primary URD cable 2−27513
economics of 100% test of incoming inspection 2−74
economics of selected WECS dispersed applications 2−18115
economy in energy through alternative sources of energy in mass-housing of developing countries 2−17812
EHV transmission conductors, sizing and costing trends 2−3769
electric energy costs effect on industrial development and society in Germany *(German)* 2−27353
electric load shifting by differential electrical tariffs *(Italian)* 2−7482

economics continued
electric machine design, impact of electronics and microelectronics *(German)* 2−18145
electric motors in thermal power plants, speed control through static frequency convertors *(Rumanian)* 2−27867
electric power generation, productivity and labour costs 2−12160
electric power generation book 2−23872
electric thermal storage program, impact on transmission systems 2−18774
electric utilities, impacts of dispersed energy alternatives on T&D 2−3701
electric water heating in the home, advantages *(French)* 2−28229
electrical industrial heating in Poland, economics *(Polish)* 2−28241
electrical plant, condition monitoring using desktop microcomputer 2−18940
electricity market in France, prospects 1980 to 1990 *(French)* 2−4600
electricity meters calibration range validity extension using random-test-method, experience from user point of view *(German)* 2−3181
electricity production as instrument of economic policy *(French)* 2−13218
electricity supply industry, cost-factor calc. based on characts. load variation curves *(German)* 2−12137
electricity supply planning from conservation viewpoint 2−12153
electro-heat pump for residential hot water, application and economy *(German)* 2−28255
electrochemical H-Cl energy storage system operating parameter optimisation for minimum capital investment 2−12783
electrometallurgy and energy crunch 2−18793
electronic component tolerances, economic choice 2−18970
electronics industry, growth 2−4689
electronics industry test strategies, w.r.t. cost 2−8193
electronics products and services, growth and forecasting 2−23942
electrostatic precipitators for industrial gases cleaning, cost-effectiveness 2−27301
energy, capacity and economic effects of cogeneration interfaced with an electrical utility system 2−3722
energy, economic, environmental and political aspects 2−3831
energy audits using building thermography, USA programs overview 2−3080
energy conscious ventilation in well insulated house, cost reduction 2−4477
energy conservation handbook for industrial plants 2−23936
energy conservation projects, investment alternatives, life cycle cost comparisons 2−7501
energy conversion, implications of exergy and thermal efficiencies of energy conversion 2−12183
energy demand models based on the translog and CES functions 2−18919
energy from wood, economic viability, fourteen industrial case studies 2−3836
energy saving in Portugal, national information network *(Portuguese)* 2−12144
energy-economy models evaluation, guidelines 2−23928
estimating hydro station costs 2−12527
estimation of wind system performance and economics using unit availability criteria 2−4004
evaporation-type with natural draught, economic evaluation of internal heat transfer *(German)* 2−27663
fast neutron breeder reactors, economic aspects *(French)* 2−23053
feasibility of electricity generation from wind and solar energy *(French)* 2−12543
Federal German Post Office, considerations of uncertainties in profitability calcs. *(German)* 2−8183
Federal German Post Office, effect of pricing charges on profitability *(German)* 2−8182
Federal German Post Office, profitability calculations *(German)* 2−8181
Federal Germany's energy imports and balance of payments *(German)* 2−22809
Federal Republic of Germany electricity supply economics statistics for year 1980 *(German)* 2−7483
fibre optic connectors, technical and economic advantages 2−9970
fibre optic sensor systems, applications and economic prospects 2−5991
financial transactions between electric utility and photovoltaic owner 2−3694
first-generation fuel cell demonstration and commercialisation programme in USA 2−23416
fission research reactors, radiation protection, legal requirements fulfilment, economic considerations *(German)* 2−27217
fleets of trolleybuses, economic and operation 2−18717
floor heating systems using variety of heat sources for energy savings 2−28243
Florida Power Corporation OTEC planning study, USA 2−7788
flywheel, high energy density, incorporating fibres, design and fabrication 2−12958
French nuclear power programme based on 900 and 1300 MWe PWR standardised units, economic benefits 2−12350
fuel cell cogeneration appls. by electric utilities, technical and economic feasibility 2−7496
generating capacity growth restraints, effects on United States economy to year 2000 2−7503
generating unit size selection, economies of scale and reliability 2−17679
generation expansion program to achieve optimum plant mix and minimum costs for a fixed reliability of supply 2−22788
geothermal energy projects, economic planning tool 2−3951
geothermal power appl. to space heating and hot water supply *(French)* 2−4475
German electricity industry economy 1981, laws and regulations *(German)* 2−27352
German nuclear reactor construction delay costs, economic anal. *(German)* 2−12404
German terrestrial photovoltaic activities, status 2−18579
hardsurfacing steel rolls by plasma-MIG method, cost savings and service life improvements 2−23970
heat pump installation as refrigeration system for Wiehl indoor skating rink *(German)* 2−18784
heat recovery equipment in Pb and Zn production plants, development trends *(Russian)* 2−28269
Heller-Forgo air condensation systems, method of increasing capacity during summer, economic benefits *(Hungarian)* 2−17964
high efficiency induction machines of 1980s 2−23297
high efficiency induction motors of 1980s 2−23298
high temperature reactor project in US, current economic status *(German)* 2−23038
high voltage testing transformers 2−27961

economics continued
HV power overhead lines, bundle conductor design, corona loss annual coverage value determ. method *(German)* 2−3763
HVAC long distance power transmission with reversible static compensators 2−12231
hybrid electric vehicles, hydrostatic braking and flywheel systems 2−18721
hybrid electric vehicles development 2−18726
hybrid vehicle economic and energy consideration 2−18714
hydraulic pump control economics in the range 10 kW to 30 kW *(French)* 2−23168
hydraulic turbines, Kaplan and Francis turbines, cost anal. 2−3960
hydro-thermal power system, cost effective operation determ. 2−3677
hydro-thermal power systems, cost effective operation determ. *(Russian)* 2−3667
hydroelectric power station maintenance cycle economic improvements *(Russian)* 2−27786
hydroelectric power station water use reduction to produce cost savings *(Russian)* 2−27788
hydroelectric project, selecting number of units, economic criteria 2−7755
IC self testing design 2−4679
impact of alternative technologies of electricity prices in the Western United States 2−3839
incandescent lamps development, energy conserving, with multi-layer heat mirror coating 2−13057
Indian electronics industry, anal. of real growth in 1975-80 period 2−18845
industrial cogeneration, parametric study 2−17947
industrial cogeneration and integration into public supply grid, economic issues 2−23079
industrial graphitisation processes, electric power utilisation efficiency improvement methods *(Russian)* 2−28235
industrial mechanisation and automation, case for pneumatic power appls. 2−4591
industrial production, base technological cost of electric equipment 2−13219
industrial waste heat conversion to electricity using turbosets *(German)* 2−17922
industrial waste heat utilisation, lost effectiveness *(German)* 2−27740
innovative integrated circuits *(French)* 2−14925
inspection accuracy improvement, cost savings 2−19026
institutional issues−major issues and their impact on widespread use of photovoltaic systems 2−18599
integrated gasification combined cycle power plant, DOE funded feasibility study, USA 2−18029
integration of renewable energy sources into small systems 2−17683
interactive load control, autogenerators and independent electricity suppliers 2−7477
interactive load control, institutional and organisational aspects of spot pricing 2−27343
interactive video graphics terminal price/performance relationship 2−21680
interconnected power network, optimal load dispatch strategy determ. 2−17649
intermediate photovoltaic system/utility interface experience 2−23647
IR instrumentation, consumer-oriented products development 2−3079
large power transformer efficiency and evaluated cost factors 2−18305
large wind turbines 2−18141
laser assisted metalworking technology, naval appl. 2−23814
laser scanner design, low-cost 2−20994
lighting energy and maintenance 2−8085
lighting open plan areas, design and costing 2−23747
logging residues as energy source, feasibility study 2−7605
long distance thermal energy transport for district heating appls., economic viability 2−17940
low head hydroelectric power generating systems, cost effectiveness 2−7763
low temp. energy sources usage to increase fuel utilisation efficiency 2−3819
low-rise building economic lighting and space heating 2−8093
LWR nuclear plant shut-down costs *(German)* 2−12397
machine maintenance for industrial buyers, factors influencing buying decisions *(French)* 2−18950
major domestic appliances life-cycle cost anal. methodology 2−18920
mathematical capital programming model for electric energy 2−17675
maximum demand control in factories, economic advantages and equipment 2−22802
metallurgical industries quality control departments function and economics *(Spanish)* 2−4487
method of determination of economic losses depending on the reliability of electric energy supply to receivers *(Polish)* 2−27359
Mexican, energy conservation and its effects on energy costs *(Spanish)* 2−22971
microcomputer circuit protection in substations, cost effectiveness 2−7941
microelectronics effects on labour-material-cost balance *(German)* 2−9325
microelectronics impact on industry 2−13142
microelectronics trends and impact on electronic products 2−14961
microprocessor controlled displays−a commercial approach 2−22170
military aircraft, reliability and maintainability evaluation during initial testing 2−17459
mining conveyor systems, utilisation factor improvement *(Russian)* 2−28177
monitoring equipment for energy saving *(German)* 2−17079
multifilamentary A15 superconductors, developments at IGC (USA), review 2−5921
multivariate sampling optimum stratification 2−4724
municipal refuse-burning power plant technology and economics 2−23133
national energy plans, 1990-2000, economic and environmental impacts forecasting 2−3832
Navy's ATE management, workload and cost savings forecast utilizing supply support data 2−22116
net energy ratios for small-scale hydroelectric power and comparison with other technologies 2−27785
nuclear and solar energies, conditions and justification of new energy sources *(Croatian)* 2−22999
nuclear power plants and reprocessing facilities decommissioning, main parameters comparison *(German)* 2−7620
nuclear power station, boosting steam turbine unit, cost effective approach *(Russian)* 2−3842
nuclear power stations, current status of design and operation problems *(Hungarian)* 2−17838

economics continued
nuclear power stations, maintenance personnel radiation exposure reduction measures, evaluation *(Russian)* 2−17858
nuclear power stations, reliability improvement, electricity generation cost effect 2−23022
nuclear power stations status and developments in USA in the 80s 2−17921
nuclear power stations with PWRs, fuel elements preparation and waste disposal *(Czech)* 2−27620
nuclear power technology in Nigeria, material resources assessment 2−27622
offshore wind-energy-conversion systems 2−18116
oil-fired stations, flexible operation for cost effectiveness 2−27702
on operating conditions of large doubly-fed asynchronous machines in a power system 2−3675
on-site photovoltaic system interconnection with electric utility 2−18081
open cycle MHD power plant development, technical and economic aspects 2−4378
opportunities in water power development 2−7766
optimal conditions for preventative replacement *(French)* 2−23962
optimal selection of major equipment in dual purpose plants by simulation of operating conditions 2−3809
optimal short-term operation of power systems, inaccurate input data influence 2−3711
optimal short-term power system operation, operational reserve policies evaluation 2−12132
optimum design assessment of wind power for household electricity 2−18132
OTEC economics anal. and applications 2−23201
overhead line conductors, 110 kV and 400 kV, loss decrease and economical loading *(Czech)* 2−27527
parabolic trough photovoltaic performance, technique for comparison 2−18577
passing floodwaters over embankment dams 2−7752
PC boards computerised testing, field service costs and speed reduction 2−24007
PCB cleaning methods, aqueous, chlorinated solvent and fluorinated solvent techniques, cost comparison 2−5450
PCB hand assembly, economies, appl. of lessons learned in auto-insertion 2−5423
PCB industry and environmental protection, technical, legal and economic aspects 2−13257
PCB manufacture, cost effective use of previous metals 2−14482
PCB plating installations, continuous electrolytic recovery of precious metals, economics 2−14421
Pendair, cost effective rapid transit system 2−18718
pentahedral pyramidal concentrator design for space solar array 2−22698
phosphoric acid fuel cell system without noble metals on the anode, realization, application and economics 2−12847
photovoltaic arrays, flat-plate design techniques, review 2−23550
photovoltaic collectors for solar cell arrays, flat-plate and concentrating, cost-reduction efforts 2−23484
photovoltaic generated electricity, economic impact of state ordered avoided cost rates 2−18600
photovoltaic power systems, off-grid, cost effectiveness in comparison to combustion engine generating sets 2−12888
photovoltaic power systems, stand-alone, roof-top, appraisal for rural applications 2−12890
photovoltaic system cost experience for intermediate-sized appls. 2−23646
photovoltaic systems, costs rel. to development and appls. 2−4364
photovoltaic systems in elec. utility appls. 2−18100
photovoltaics for residential applications in France, future prospects 2−18522
plant condition monitoring, economic aspects and choice of system 2−8237
Polish power system economic losses assessment *(Polish)* 2−7484
power consumption reduction in trade and industry for cost effectiveness *(German)* 2−28263
power distribution system cost model and its application to optimal conductor sizing 2−27477
power generation, Brayton cycle using dissociating nitrosyl chloride 2−18044
power house computer control, cost effectiveness in energy management 2−7471
power industry benefits from new tax incentives 2−18924
power industry economic efficiency calc. method *(Polish)* 2−22771
power overhead lines, combined stresses, technical and economic consequences *(Slovak)* 2−3765
power plant optimum reliability and cost considerations 2−23925
power plant safety, reliable dampers 2−27673
power plants, economic appraisal 2−7591
power plants planning and programming, fuel price increase effects *(Croatian)* 2−23073
power station, energy control centre improving generation economics 2−7729
power station flue gas desulphurisation cyclic reheat, evaluation 2−27743
power station one-day outage effects on energy economics *(Czech)* 2−27366
power stations optimal planning, three stage model *(German)* 2−27602
power system, cost versus reliability curves 2−27415
power system dynamic optimisation, hierarchical approach 2−17663
power system investment decisions anal. and review 2−27432
power system optimal short-term operation, economic evaluation of operational reserve policies 2−22853
priority base budgeting, aero base approach to manufacturing overheads 2−18923
production decentralisation using production microunits, advantages for developing countries 2−13220
production of synthetic crude oil from coal using the TOSCOAL pyrolysis process 2−17824
profitability prediction in the development of new technologies *(German)* 2−23228
project cost estimation 2−13262
projected costs for electricity and products from OTEC facilities and plantships 2−18074
pulse power technology, techniques and appls. 2−18624
PWR, design consideration for main cooling system *(German)* 2−12398
radio receiver, programmable, LSI technology influence *(German)* 2−2887
radioastronomy research and development, economic effects 2−18925
reactive load compensation of complex electric network, time factor allowance *(Russian)* 2−17632

economics continued
rechargeable alkaline zinc/ferricyanide hybrid redox battery for utility load levelling and solar photovoltaic/wind appls. 2−12823
recovery boiler operations, digital computer control 2−23106
regional supply concerns supplying low-temperature heat for space heating, economic aspects *(German)* 2−23767
regulations affecting coal costs and availability 2−22997
reliability tests economic efficiency calc. *(Rumanian)* 2−19039
renewable energy resources, conf., London, England (Nov. 1981) 2−17826
renewable energy resources integrated into large elec. systems 2−17684
residential load controllers, microprocessor-based, cost effectiveness 2−27344
risk analysis of nuclear vs. fossil-fuel economics 2−17819
road tunnel energy saving potential in Japan 2−8188
roadway lighting system conversions, energy efficiency, economics 2−13072
role of electrolysis in metal extraction today, and energy costs 2−18794
rural telephone systems, optical fibre appls. 2−11079
rural telephony, economic challenge ahead 2−21449
Russian fuel energy complex, long term prediction, system studies 2−12332
salinity power production, concentration cell, economic potential 2−4326
sampling inspection plans for maximising company profits *(Japanese)* 2−110
satellite microwave solar power system, antenna optimisation and cost consideration 2−18528
satellite power supply photovoltaic blankets, cost and performance projections 2−17516
satellite servicing in orbit 2−22580
satellite solar power stations as world-wide energy system, market potential and physical limitations 2−18090
satellite solar power system launch into geosynchronous orbit, transportation system and cost comparison 2−17461
satellite solar power systems, energy balance aspects 2−18096
satellite systems, planning for growth, INTELSAT experience 2−2766
semiconductor memory testing economics 2−18929
ships power systems, energy saving potential 2−8187
small hydroelectric projects, cost effectiveness estimation 2−18055
solar cell arrays, lifetime and inflation in photovoltaic systems anal. 2−18597
solar cell operation principles and manufacturing technology, Italian market potential *(Italian)* 2−28107
solar cells, min. photovoltaic module cost projections, realistic comparison 2−23535
solar cells, principles and technology *(Spanish)* 2−23419
solar cells for space applications optimisation 2−17528
solar cells technology development, for space appl. 2−17527
solar conversion power supplies for one family housings, economic survey *(Spanish)* 2−18482
solar photoelectric plants for irrigation and supply of water to agricultural users 2−7774
solar power development programme, planning for next 20 years, United States 2−18079
solar power development prospects and electric power generation by thermodynamic methods in USSR 2−3970
solar power plants, site selection, energy anal. and cost effectiveness *(Japanese)* 2−3979
solar power satellite launch vehicle requirements, economic and technical 2−27821
solar power satellite technology, critical aspects 2−27823
solar power satellites, economic feasibility study 2−27824
solar power satellites, potential contribution to energy needs in Europe 2−27831
solar power stations, ground level versus geostationary platform, economic and technical aspects *(Italian)* 2−18094
solar power stations, high temperature thermal dynamic cycle, technical and economic aspects *(Rumanian)* 2−3972
solar thermophotovoltaic conversion for electric utility appls., feasibility 2−23210
solid waste-to-energy plants for small communities, economic anal. 2−12490
space photovoltaic generator, design and testing, rational approach 2−22696
spacecraft failure analysis, thermal-vacuum test optimisation 2−22618
standardized SCADA AGC system effect on system cost, delivery and quality, Northern States Power Company, USA 2−22838
state energy policy development, Wisconsin experience 2−3833
steam generator degradation and nuclear power costs, generic problem 2−3943
strategy for transmission system development, land requirements and cost *(French)* 2−12197
street lighting energy conserving cost saving measures and effects *(German)* 2−28221
supply interruptions, unplanned, damage suffered by industrial consumers, computation method *(Croatian)* 2−27372
Swedish electricity tariffs, socioeconomic and political considerations for greater flexibility *(Swedish)* 2−27350
Switzerland, economic growth and electric power consumption *(German)* 2−28249
synchronous motor excitation optimisation for Fe ore mines, cost reduction aspects *(Russian)* 2−27894
system studies and methodological problems of comparative economic efficiency in power engineering 2−12161
sytematic approach to selection of power engineering equipment parameters 2−12164
tariffs for electrical power, European rates comparison *(Spanish)* 2−22789
technical and economic factors in the possible use of gas-engine driven heat pumps for space heating *(German)* 2−23769
telecommunication equipment leasing and buying 2−26182
telecommunication networks, subscriber main station demands rel. to growth, economic models *(German)* 2−21419
telephone companies, management of capital spending, financing construction programmes 2−42
telephone pricing, spatial simplification *(French)* 2−21435
terotechnology approach to plant engineering 2−23981
test strategy selection for best return on investment 2−4594
testability economic assessment 2−19032
thermal and electric power generation, optimum operation *(Rumanian)* 2−27669
economics continued
thermal fission reactors and fast breeder reactors, economic comparison *(Croatian)* 2−27374
thermal process heating, collector cleaning costs 2−23208
thermographic inspection of buildings, buying, leasing and contracting costs comparison 2−33
thermosetting powder coatings coupled with infra-red curing, cost effectiveness 2−23810
thick film hybrid technologies economics 2−24848
transformer rating optimisation for growing load diagram 2−18296
transformers, cost effective opeating regime determ., math. model *(Rumanian)* 2−12690
transformers, cost evaluation 2−27962
trolleybus marketability in France *(French)* 2−28187
understanding energy audits 2−23929
urban electricity supply in India, reliability problems and remedies 2−7537
US photovoltaic industry, government-industry relationships in technology commercialisation 2−23434
USA coal-fired district heating power plants, technical and economic aspects 2−23126
USA energy planning and energy economy *(Hungarian)* 2−22816
USA industrial cogeneration investment in the 1980s, present state and future developments 2−12127
USA new power generation, implications of Fuel Use Act (1979) 2−17660
USA regulatory problems of new fossil-fuel power plant approval 2−18025
USSR energy resources current status and future development 2−27609
visibility-based design procedures for general office lighting, w.r.t. cost effectiveness 2−13068
Volkhov Al plant, efficiency improvements *(Russian)* 2−28270
Vresova pressure gas plant technology for gas production from brown coal 2−28318
waste water energy conservation *(Norwegian)* 2−4560
wave energy, maintenance and repair requirements 2−23171
wayside energy storage for recuperation of potential energy from freight trains 2−12957
wind power plants and power supply grid interconnection, cost aspects *(Dutch)* 2−22803
wind turbine development, institutional and environmental factors 2−18140
wind turbine operational experience and potential in USA 2−23233
wind turbines, horizontal axis, axisymmetric, large size, dynamic stability and economic viability 2−18130
wind-energy conversion system simulation program 2−18114
wood fuel processing methods, economic assessment 2−7604
wooden poles maintenance and checks for rot, economics *(Finnish)* 2−27545
world economy sparse matrix model 2−451
world energy supplies in near future and stability possibilities 2−23924
Al-air batteries for electric vehicle appls. 2−18725
GaAs high concentration photovoltaic cells, thermal impedance effects 2−18576
GaAs solar cells for space applications 2−18537
GaAs solar cells for space missions, technology requirements 2−22694
H_2SO_4 chemical heat pumps for industry 2−13090
SO_2 wet scrubbing systems, operating cost estimates and weighted evaluations 2−18023
Si production by dichlorosilane process, cost anal., applications in solar cells 2−28125
Si wafer cost reduction for photovoltaics 2−5661
U supply and demand for nuclear power 2−17841

eddy current braking
saturated, performance anal. 2−4433

eddy current losses
conducting circular disc and thin plate in homogeneous magnetic field *(German)* 2−15613
current carrying conductors in alternating mag. field, loss calcs. 2−954
current-source invertor drives, 6-phase inductor motors 2−18254
DC traction machines, noncompensated, magnetic circuit stray losses calc. *(Polish)* 2−4215
impact of slot harmonics on losses of high-speed permanent magnet machines with a magnet retaining ring 2−23272
inductor heater, one side, active power loss generated in thick plate 2−25900
large capacity, design and manufacturing techniques, reliability testing, for use in thermal and nuclear power stations 2−27973
liquid conductance at high frequencies meas., using non-contact system 2−11586
multilayer medium, calc. 2−21031
pipe type power cables, eddy current losses, integral eqn. calc. 2−17737
power transformer core support strips, stray field induced losses and local temp. rises *(Polish)* 2−18298
single-phase line with separate shielding of conductors, electromagnetic field anal. 2−21028
thin plates, eddy current induced by time-harmonic mag. field 2−2080
transformer core amorphous magnetic alloy development 2−18303
transformer tanks, determ. of hot spots *(Hungarian)* 2−18290
transient characts. determ. 2−27895
Cu-Nb_3Sn untwisted composite, AC losses, critical current density 2−9894
Fe-Si (3 wt.%), domains struct. and EM losses at high induction amplitudes 2−20515
Fe-Si (3 wt.%), energy loss anomaly study 2−15113
Fe-Si amorphous ribbon materials, causes of anomalous loss 2−15111
Fe-Si steel plate, non-oriented, Fe losses calc. 2−15108

eddy currents
see also induction heating
AC variable speed drives, eddy current and variable frequency invertor, choice and appls. 2−8024
boundary value method, eddy currents around cracks in thin plates due to a current filament 2−25899
central fan applications, eddy current adjustable speed drives 2−18650
coatings, thin current conducting method of monitoring 2−7185
computer calculation, boundary integral eqn. method 2−15615
computer modelling of chopper controlled DC machines 2−4220
conducting circular disc and thin plate in homogeneous magnetic field *(German)* 2−15613

eddy currents continued
conducting cylinder within alternating series of AC fed ring windings, centring force *(German)* 2−6300
conducting tube shielding effects, experimental case study for students 2−15614
conductors, non-mag., non-moving, eddy-current problems, numerical anal. 2−10423
crack detection appl. 2−8934
cylindrical shell, field distribution due to axial currents 2−21030
detector of bullet in body 2−11917
DLIM FEM model 2−4145
ED-2.02 electromagnetic inspection unit/ for inspecting pipe/ 2−641
eddy-current defectoscopes *(Russian)* 2−26870
effect of eddy currents on transients in devices with annular cores made from ferromagnetic strip, calc. *(Russian)* 2−1575
electric machines eddy current successive overrelaxation calcs. algorithm 2−4968
EM field solution by network method, expt. verification 2−6301
EM screen, integral eqn. anal. 2−15731
ferromagnetic tube, eddy current testing, magnetic props. effect 2−8857
films, thin current conducting method of monitoring 2−7185
finite element solution of eddy currents in asynchronous generator rotors 2−4103
finite-element solution of transient electromagnetic field problems in electrical machinery 2−4104
flaw detection, ferromagnetic resonance, using eddy current detector 2−11452
induced eddy currents, in circular disc and rectangular cylinder of finite height, placed in magnetic field *(German)* 2−15610
instrumentation, current status and future direction 2−8930
invertor fed induction performance anal. 2−4193
invertor fed six phase, induction motor performance anal. 2−18244
large capacity transformer, eddy currents in structure surrounding large current bushings, expt. and calc. 2−12694
magnetic levitation electric motors, calc. 2−4018
magnetic sheets, normal loss meas., anal. of additional losses due to eddy currents in device *(Rumanian)* 2−17108
materials testing, eddy current inspection, EM square wave oscills. 2−8861
metals, conductivity measurement, eddy current method *(Chinese)* 2−11580
multi-layer eddy current simulators, EM charact., temp. depend. 2−643
multifrequency eddy current inspection techniques 2−8931
multilayer eddy-current transducer, approx. performance calc. method 2−3135
NDT, conf. Gaithersbury, USA, (Nov. 1977) 2−8149
non ferrous conductivity standards, eddy current meas. 2−11325
noncontacting meas. of electrical conductivity, of cylindrical products 2−26955
nonferrous metals, eddy current testing standards 2−8926
nuclear steam generator tubing, eddy current inspection 2−8927
nuclear steam generator tubing, eddy current inspection 2−8928
numerical solution of 3-dimensional problems at power frequencies, computer programs 2−21029
one-dimensional eddy current problem, considering variable permeability and various boundary conditions *(German)* 2−15611
parallel conductor in tubular screen, calc. method *(Croatian)* 2−15620
proximity probe, compressor dynamic blade motion meas. 2−22455
pulsed eddy current techniques for nondestructive evaluation 2−8932
pulsed magnet with saturable Fe, numerical simulation of quasisteady EM fields, ferromag. saturation effects 2−2102
round robin tests to determine eddy current system performance 2−8929
screened eddy-current convertors, temperature-dependent instability of electrical parameters *(Russian)* 2−24637
semiconductor wafer, resist. variation meas. using photovoltaic method *(Japanese)* 2−22347
signal processing technique rel. to eddy current inspection 2−8933
solid rotor electric machines eddy currents calc. algorithm 2−533
squirrel cage induction machine, magnetic field, eddy current contrib. 2−23300
steady and transient operating characteristics of DC motors energised from thyristor inverters *(German)* 2−27935
steady-state eddy-current flow in current carrying conductors, finite element anal. *(German)* 2−7807
steel industry, eddy current testing, present, past and future 2−8925
superconducting generator transient behaviour 2−4079
testing, history, present status and future development 2−8924
thermoelements, anisotropic, temp. independent transport coeffs., efficiency and performance in absence of mag. field 2−24912
three-phase windings, eddy current distribution in cylindrical structures caused by rotating magnetic fields 2−27877
time dependent 2D mag. fields, numerical anal. 2−15608
transducer signal, computation accuracy improvement 2−3136
transformer, calc. 2−15619
transformer tanks, determ. of hot spots *(Hungarian)* 2−18290
underwater metal detector, microprocessor controlled, for use on unmanned submersible 2−22262
Al alloy AK4-1, heat treatment quality inspection by EM method 2−640
Cu wire, nondestructive monitoring by eddy-current method 2−619
Fe saturated, eddy current study 2−15617

edge-defined film fed growth *see crystal growth from melt*

edge dislocations
GaAs substrate, dislocation behaviour during LPE of $Ga_xAl_{1-x}As$ 2−565
GaAs-GaAlAsP heterojunctions, lattice strain and misfit dislocations 2−14646
Si avalanche photodetectors, crystal defects, electron channelling imaging with SEM 2−9483

editing, text *see text editing*

e.d.p. management
see also computer installation; computer selection and evaluation; contracts; cryptography; data privacy; security of data
digital PABX options for data services managers 2−21694
distributed appls. management 2−6619
home working with remote terminals, prospective benefits and pitfalls 2−6608
Italian telephone company DP status and prospects *(Italian)* 2−16185
network management systems 2−21598
office data networks appl. 2−6610
power supply selection 2−12706
secure data communications systems 2−15828

e.d.p. management continued
telecommunications organisation information transfer systems standardization *(German)* 2−21414
telephone urban traffic, software system appl. *(Italian)* 2−16061

education
see also computer science education; educational administrative data processing; educational aids; educational courses; teaching; training
biomedical engineering education, risks of misuse of technical language 2−17322
challenges for technical education and graduates in the third world 2−18906
clinical engineering education using computer aided instruction 2−17326
ECG recorder design, portable powerline-operated, student-faculty project 2−27189
education conf. Rapid City, South Dakota, October 19-21, 1981 2−18873
effect of high school quality on freshman engineering academic prediction 2−23908
Electric Power Engineering Education Resources 1979-80. IEEE Power Engineering Society Committee Report 2−8163
electric power systems/ textbooks/ 2−3661
electrical and electronic engineering university studies in Slovenia *(Slovenian)* 2−23905
electrical engineering, developing countries, trends 2−23911
electrical engineering, IEE's approach 2−18886
electrical engineering students cooperative group learning at Minnesota University 2−18891
electrical engineering to meet engineer shortage for VLSI industry 2−8208
electrical training at Jarvenpaa vocational course centre *(Finnish)* 2−18880
electromagnetic field thoery courses for electrical engineering students, teaching material *(German)* 2−23917
electronic maths course, book 2−4587
electronics engineering students, appl. of static 4 bit microprocessor 2−14172
electronics engineers, training for leadership 2−13176
EMC, design personnel training 2−26001
EMC, undergraduate studies automobile electronics example 2−25999
EMC education at graduate level 2−26000
EMC requirements in electrical equipment design, educational opportunities 2−25998
engineer as educator 2−18900
engineering, academic vs. practical debate, screening technique appl. 2−4583
engineering education, putting it to work 2−23913
engineering education, use of systems analysis to evaluate effects of engineering on ecology 2−13194
engineering educational decline and countermeasures 2−18885
engineering students difficulty with mathematics 2−18905
engineers supply-demand pattern, British attitude 2−8189
examination component weighting 2−24116
Finlands electricity supply industry personnel development for improved performance and cooperation skills *(Finnish)* 2−18881
French engineering education, simulation of industrial experience 2−13185
IC laboratory, Engineering Design Centre, Case Western Reserve University, USA, review of facilities 2−8180
IEEE validation program for the continuing education achievement of electrical engineers, update 2−18894
industrial regulatory compliance test teams, EMC effects on digital equipment appl. 2−26002
INSAT Indian domestic satellite communication system, education, meteorology appl. 2−21786
instructional TV systems in colleges, design, implementation and program development 2−18893
logistic support analysis education, for military electronics 2−18912
maintenance engineering education, electronic systems support effectiveness improvement 2−18913
matter, need for fundamental understanding by engineers in energy field 2−27
Microelectronics Center of North Carolina, educational and research program in computer science and ICs 2−8175
microelectronics symposium, Starkville, MS, USA (May 1981) 2−8154
mid-career engineers longitudinal studies of continuing education 2−18896
Moldavian history and present state of education, scientific research and electrical engineering *(Rumanian)* 2−22
new dimensions in quality education 2−4585
nuclear power engineers, at Czechoslovak technical universities *(Slovak)* 2−13174
Pavia University in Italy, computer use in education, experiences 2−13180
satellite Z 2−6886
science and technology promotion, Phillipine Scheme 2−8194
Slovene electrotechnical professional secondary school education *(Slovenian)* 2−23906
some thoughts on a learning, producing and earning system for the training of technology for development 2−8169
super-regenerative radio receiver ccts. for teaching purposes 2−6917
TEC Unit Radio Systems 2, telecommunication textbook 2−23921
TEC Unit U76/361, Electrical and Electronic Applications 2, textbook 2−23920
technology for development, less developed countries and Australian engineering schools for training engineers 2−8170
thick film hybrid microelectronics laboratory at Virginia Polytech. Inst., industrially-sponsored program 2−9335
TIMOS morse training system, T100 teleprinter, microprocessor appl. 2−10798
TV and children's education conf. Philadelphia, PA, USA, Nov. 1979 2−13156
TV broadcast, workshop proceedings in China 2−13178
university and industrial research department connections 2−23915
vLSI development for research and teaching *(German)* 2−13175

educational administrative data processing
Univ. Missouri central computer facility and teleprocessing network evolution 2−26286

educational ADP *see educational administrative data processing*

educational aids
see also student laboratory apparatus
cardboard clock, educational project 2−23916

educational aids continued
electronic aids for handicapped and disabled 2−7344
in-house audio-visual programmes, sound system design, low cost 2−2987
lab for course on microprocessor-based medical instrumentation 2−13201
laboratory as teaching aid in teaching engineering student with specific symbol difficulties 2−18898
laboratory instruction system in PCM general characts. *(Spanish)* 2−26082
microelectronics laboratory course using videotapes to increase flexibility and individualisation 2−8171
radiograph reproduction on 35-mm rapid-process copy film, improved lighting techniques 2−17372
teletext, viewdata, educational technology, applics. *(German)* 2−16126
two-way audio-visual information system for schools *(Japanese)* 2−21987
video tapes combined with hands-on experience for laboratory courses in IC fabrication 2−8172

educational computing
see also computer-aided instruction; educational administrative data processing
digital computer usage in educational institutions 2−18901
distributing viewdata and teletext services to a user community 2−10834
engineering education, packet switch project soln. 2−2521
microsystems, conf., London, England (March 1981) 2−23895
regional network, new directions 2−2519
value added networks in higher educational computing 2−16163
videodisc implications 2−16659

educational courses
basic electrical engineering, ccts., electronics, machines and controls, fifth edition, book 2−23919
circuitry and electronic measurement in laboratory *(German)* 2−13195
computer science, future problems for teachers 2−13202
control course laboratory procedure, approach to microprocessor incorporation 2−13189
curriculum design and revision, systematic procedure 2−13184
curriculum in computer engineering degree, critical questions 2−23909
design for testability, Navy's course for engineers and managers 2−18911
electrical engineering electrochemistry lecturing *(German)* 2−8166
electrical heat pumps, course of instruction 2−21
electronic signals and systems: a course for non-engineers 2−18904
electronics skill shortage increases industry's problems in Britain 2−18941
energy conversion technology−a three year technologist program 2−18897
engineering degree courses for industrial needs 2−13179
engineering degrees, curricula 2−8165
hybrid microelectronics instruction course at Alfred State College, NY, USA 2−9336
IC design and fabrication, comprehensive curriculum at Purdue University 2−8176
in-plant masters program in electrical engineering 2−18895
industrial safety B.Sc. degree development at Milwaukee School of Engineering 2−18899
introductory UART experiments for a microcomputer course 2−13188
laboratory courses in IC fabrication combining video tape and hands-on-experience 2−8172
logistic support analysis education, for military electronics 2−18912
medical microprocessor-based instrumentation, lab for course 2−13201
microelectronics, advanced training courses 2−13208
microelectronics and computers, Summer Master of Engineering program at Clemson University 2−8178
microelectronics education at graduate and undergraduate level using industrial fabrication capability 2−8174
microelectronics education program at University of Arkansas 2−8179
microelectronics laboratory course using videotapes to increase flexibility and individualisation 2−8171
microelectronics process engineering curriculum at University of New Mexico 2−8177
microprocessor-based product design, self-training course 2−23922
microprogrammable microcomputer emulator, low cost, general purpose, design, fabrication and appl. 2−13183
Naples University physics course including Maxwellian equations and 1st and 2nd principles of thermodynamics *(Italian)* 2−4581
nuclear power generation developments and staff training educational programme in Yugoslavia *(Croatian)* 2−27621
Oulu University, northern Finland, electrical engineering training 2−23903
PCB production, training course 2−13205
philosophy and social science course development for engineering students 2−13182
PMOS VLSI design course with an NMOS text 2−9746
postgraduate training for professional engineers at Budapest Technical University *(Hungarian)* 2−13190
PTT/VSEI plant electronic engineers introductory course *(German)* 2−18883
retention of women in technology programs 2−23907
soldering training course for technicians working on high reliability equipment 2−23
system design approach to course design 2−13207
undergraduate curriculum projected for the Communication and Electronics Engineering Department of the Instituto Politecnico Nacional, Mexico 2−18902
US engineering schools research and teaching practices comparison with European equivalents *(Italian)* 2−23904
VLSI, university/industrial cooperation, Hewlett-Packard 2−5772
VLSI circuit design and construction course summary *(Swedish)* 2−20280

e.e.g. *see electroencephalography*

effective mass (band structure)
$B_{13}C_2$, electronic struct. and semicond. behaviour 2−25035
Cd_3As_2, amorphous films, elec. transport props. 2−20105
$Cd_xHg_{1-x}Te$, photothermomagnetic effect in mm and submm ranges 2−6091
GaAs, ballistic electron transport in nonparabolic band struct. 2−1174
InGaAsP lattice, matched to InP, growth and charact. review 2−8812
InGaAsP-InP DH laser, elec., threshold and temp. characts. analysis 2−1949
InSb, ballistic electron transport in nonparabolic band struct. 2−1174
$Pb_{1-x}Sn_xTe$, thermoelectric effect in moderate and quantising mag. field, 4.2 to 77K 2−14668

EFG *see crystal growth from melt*

EFTS
see also data communication systems; point of sale systems
requirements of 'teleshopping' viewdata services 2−10826
secure data communication systems 2−15828

EHD *see electrohydrodynamics*

EHT calculations
electron resists, positive, mol. orbital studies 2−5657

eigenfunctions *see eigenvalues and eigenfunctions*

eigenvalues and eigenfunctions
algebraic eigenvalue theory of component systems utilizing network symmetries 2−27453
angularity and inertia theorems 2−8381
anharmonic oscillator Schrodinger equation numerical anal. 2−13659
antennas, broadband equivalent circuits for energy collecting structs., positive-real function aspects of equiv. admittance for SEM method 2−2183
atmosphere pressure field, eigenvector filtering of three-dimensional data 2−7433
band matrix construction from spectral data 2−8709
broadbanding design problems, gain equalisation directly from data 2−19490
cellular surfaces, diffusion model for patch formation 2−8403
completely stiff homogeneous differential eqn. systems 2−13765
conditional pressure and coding 2−4766
conducting strip, switching props., eigenvalues for integral eqns. *(German)* 2−9237
deferred correction for the integral equation eigenvalue problem 2−8781
derivatives of partial sums of decompositions in eigen and adjoint functions of non-self-adjoint operators of Sturm-Liouville type *(Russian)* 2−13711
discrete Fourier transform eigenvectors 2−19100
discriminating stability for second order linear system, numerical method *(Chinese)* 2−13687
doubly orthogonal functions, appl. to antenna pattern synthesis 2−10557
eigenfrequency splitting by gyrotropic sample in spherical microwave resonator 2−3263
eigenvalue analysis of synchronizing power flow oscillations in large electric power systems 2−22884
electric circuit loops matricial vectorial equations *(Rumanian)* 2−24357
elliptic equations, two sided eigenvalue estimate 2−19331
EM field theory Green's functions, eigenfunction expansions, equiv. layers of surface charge, current sheet and polarisation 2−2072
error bounds in strong approximations for eigenvalue problems 2−4717
estimates of eigen- and associated functions of the Sturm-Liouville operator with discontinuous coefficients *(Russian)* 2−4929
expected eigenvalue distribution of a large regular graph 2−8624
field-reversed axisymmetric plasma, equilibria and MHD stability calc. 2−8735
Fredholm integral eqn. of second kind, iterated projection soln. 2−8778
generalised, numerical algorithm 2−19319
generalized Chebyshev method for nonlinear parabolic equations in one space variable 2−24257
Higman-Sims technique applied to generalised quadrangles 2−19164
iterative optical processor, 3 power methods to compute eigenvalues and eigenvectors 2−10707
large scale power systems dynamic modelling and control 2−27396
Lipschitz spaces and Suslin sets 2−8606
lumped parameter linear dynamic systems state-space description formulation algorithm *(Czech)* 2−24371
mixed type equations boundary value problems *(Russian)* 2−24264
motor-generator set, adaptive noninteracting controller appl. 2−12661
multimachine power system dynamic stability evaluation, eigenvalue approach 2−7497
multiplicity of eigenvalues 2−8755
non-symmetric eigenproblems, large sparse, solution method *(Chinese)* 2−13708
nonlinear eigenvalue problems 2−24254
nonlinear elliptic problems with jumping nonlinearities near the first eigenvalue 2−19081
nonsingular polynomial matrices structure 2−19070
open wide microstrip lines, asymptotic eigenequations and analytic formulas for dispersion characts. 2−911
optical fibre cross coupling, propagating beam theory 2−10009
optical single-mode fibres, few moments 2−1692
oscillating overhead line alternating bending extension calc. *(German)* 2−27531
perturbation theory for selfadjoint operators in Pontrjagin spaces 2−19090
piezoelectric resonators, transducers, eigenmodes calc. using variational technique 2−25402
power generation control by shifting eigenvalues of a closed loop system 2−27382
power system, stabilising controller design using pole-assignment technique 2−7512
power system dynamic stability analysis 2−22841
probabilistic approach for power system/ dynamic stability studies/ 2−3693
pseudoorthogonal bases construction, appl. to signal sampling 2−10615
quantum narrow-band free-space link, lower bound on informtion capcity 2−6381
Rayleigh quotient iteration, general 2−8711
real symmetric matrices, eigenvalue bounds 2−8387
Riccati equations, numerical algorithm 2−19270
Schrodinger operators, spectrum and continuum eigenfunctions 2−8417
self adjoint operators, eigenvalue and eigenvector determ. 2−19316
self adjoint singular multiparametric differential operations *(Russian)* 2−13712
spectral approximation of linear operators with applications to the computation of eigenelements of differential and integral operators 2−13784
spectrum of matrix in arbitrary region of some class, containment criterion 2−19073
spherical cap, first eigenvalue 2−8404
straight-cylindrical conductor carrying rectangular periodic current, skin effect 2−19895
sufficient conditions for the solubility of inverse eigenvalue problems 2−8710
symmetric matrices, alternating sequential-parallel calculation 2−24248
synchronous machines, dqO coordinates equation system, modal transformation *(German)* 2−27889

eigenvalues and eigenfunctions continued
three-phase AC power systems, integration of space-phasor components with factorized eigenvalues *(German)* 2−12212
turning-head antennas, oscillations about azimuth axis *(German)* 2−15781
two-dimensional anisotropic compound regions mapping into isotropic regions 2−6294
two-mode lasers, correl., transients, bistability and phase-transitions analogy 2−6265
voltage source invertor-fed machines, influence of volts/hertz control on filter impedance effects 2−18255
Wiener estimator for inversion of linear operators and superresolution 2−10706

eigenvectors *see eigenvalues and eigenfunctions*

elastic constants
composite material, US methods for characterising response 2−8880
graphite fibre reinforced Al, US charact. of elastic const. and moduli 2−8887
length meas. in single crystal and polycrystalline aggregate with preferred orientation, US method 2−8885
liquid crystal guest-host displays, dielec., electro-optical, and phase change props. 2−7163
US methods for characterising response 2−8880
Si, effect of heavy doping and device implications 2−24919
SiC discontinuous whisker reinforced Al, US charact. of elastic const. and moduli 2−8887

elastic deformation
see also bending; elasticity; electrostriction; stress/strain relations
nylon jacket with silicone rubber layer for optical fibre, charcts. under lateral press. 2−1687
optical fibres, single-mode birefr. and polarisation charcts. under elastic deform. 2−9994
He-Ne laser radiation self-defocusing as result of thermoelastic deforms. of an ebonite reflecting surface 2−2012

elastic moduli measurement
fission reactor material, elastic moduli meas., 20 to 1100°C, US method 2−8888
graphite fibre reinforced Al, US charact. of elastic const. and moduli 2−8887
metals, internal friction and elastic modulus, automatic apparatus for temp. charcts. determ. 2−5040
micromechanical props. anal., automatic system 2−26732
programmable system for shear modulus and internal friction meas. at very low freqs. 2−26733
rectangular strips and square plates, pulse echo method of elastic moduli determ. 2−8869
refractory, elastic moduli meas. at high temp., pulse-echo meas. 2−8889
structural relaxation, US pulse-echo obs. after annealing 2−13888
thin plate, metallurgical characterization by ultrasonics 2−8886
two-directional bending test *(Polish)* 2−3303
US materials charact., conf. Gaithersberg, USA (June 1978) 2−8148
SiC discontinuous whisker reinforced Al, US charact. of elastic const. and moduli 2−8887

elastic waves
see also acoustic waves; magnetoelastic waves; Rayleigh waves; seismic waves
ceramics, counterpoled, polarisation and elastic vibr. distribs. laser probe meas. 2−20450
laser beam control in diffused waveguide by normal elastic waves in substrate 2−10028
linear wave propag. in homogeneous and inhomogeneous media, dispersion relations 2−15677
magnetic bubbles interaction with elastic shock waves induced by laser pulse 2−15148
microstructure effects, conf., Oxford, England (Dec. 1980) 2−13875
shear-wave convolution in a layered piezoelectric-semiconductor structure 2−5882
steel, constructional, heat treatment inspection by electromagnetic-acoustic method 2−645

elasticity
for crack problems in elasticity see crack-edge stress field analysis
see also elastic constants; elasticity of liquids; elastoplasticity; photoelasticity
acoustic polarimetry and the acousto-elastic effect 2−8895
ductile, Volterra equation model 2−19386
non-prismatic three-dimensional beam finite element model 2−8771
numerical analysis of elastic plates by segmentation method 2−13735
plane elasticity, mixed finite element family 2−535
plates, elastic and viscoelastic, thermal lens form. due to laser nonuniform heating 2−25851
Prandtl integral equations, discrete vortices method solution 2−8785
rail stress meas., appl. of acoustoelastic effect 2−8894
Signorini problem in elastostatics, interior penalty methods for finite element approx. finite element analysis boundary-value problems elasticity 2−13740
Signorini problem in elastostatics, reciprocal formulation 2−13380
structure analysis, numerical integration comparison 2−19341
thick and thin sectorial plate, finite strip model 2−8662
CdS, local states US ionization, sonolum. and acoustoelastic current 2−20732

elasticity of liquids
liquid crystals, one- and two-dimens. ordered, conference, Garmisch-Partenkirchen, Germany (Jan. 1980) 2−8145

elasto-optical effects *see photoelasticity; piezo-optical effects*

elastoplasticity
elastic-plastic problems solution, existence and uniqueness, convergence of approx. solutions *(Chinese)* 2−19377
manganin stress gauges, dynamic response 2−3123

elastoresistance
Mo_xGe_{1-x}, amorphous film, elec. transport and struct. 2−20106

electrets
see also dielectric devices; electrostatics; photoelectrets; thermoelectrets
dosimeter for neutrons and gamma rays 2−11815
film electret, anal. of thermally stimulated current due to excess charge *(Chinese)* 2−25418
Mylar electrets, high-resolution probing of space-charge densities using electron beam 2−5848
perfluoroalcoxy film, nonmetallized electret, charge storage 2−20452
polymer film, polarization distrib. determ. using periodic heating 2−22354

electrets continued
polymer films, electret props. anal. using two-component insulator model 2−1552
PTFE, TSC modelling 2−5866
PTFE-polyhexafluoropropylene electret, charge relaxation, surface phenomena role 2−9756
space charge electrets, theory 2−1508
tetrafluoroethylene-hexafluoropropylene copolymer, ion-injected film electret, TSC spectra 2−1550
Ge:Li film, amorphous, electret effect 2−9849

electric actuators
electromagnet actuator for left ventricular assist device 2−11966
electron beam exposure sytem, positioning stage driven by hydraulic cylinder 2−14522
fast inductive load current switch cct. for electromagnetic actuators 2−699
flight control, dual input actuator for fluidic backup 2−17491
Law's relay operation principles 2−12754
magnetic disc file technology development, review 2−20496
modular linear actuator with flat coil voice coil motor 2−18402
print wire actuator tester 2−23980
reluctance actuator operating through a thick casing 2−12755
rotary, direct-drive, recent developments and applications 2−12756
small electric machines design and anal. techniques applications for small aircraft 2−13649
space vehicles, scan actuator subassembly for Galileo project 2−17493
valve actuators, motor selection 2−18168

electric admittance
bus admittance matrix formation by singular transformation 2−5057
dipole antennas, broadband equivalent circuits, positive-real function props. of cct. admittances 2−2184
FDNR cct. using single operational amplifier 2−14215
frequency multiplication using 2−8957
interconnected n-port networks, appl. of indefinite admittance matrix 2−653
loop antennas, broadband equivalent circuits, positive-real function props. of cct. admittances 2−2184
MOS capacitor, physical characterisation of deep bulk levels by MOS conductance technique 2−25088
semiconductor junctions with deep impurity levels, admittance, space charge anal. 2−9479
solids, automatic spectroscopy in LF range 2−3245
three-phase AC power systems, integration of space-phasor components with factorized eigenvalues *(German)* 2−12212

electric admittance measurement
biomedical conductimetry, non-contacting, for biological materials, theoretical investigation *(German)* 2−11922
capacitance loss bridges, unifying admittance calc. 2−7195
liquid conductance at high frequencies meas., using non-contact system 2−11586
photoelectrochemical devices, steady-state elec. admittance spectroscopy, electrolyte-semiconductor interface, critical props. 2−23402

electric amplifiers *see amplifiers*

electric arc furnaces *see arc furnaces*

electric arc welding *see arc welding*

electric arcs *see arcs (electric)*

electric breakdown
see also electric breakdown of gases; electric breakdown of liquids; electric breakdown of solids
atmosphere, obs. of two-dimensional interferometric positions of VHF ligh tning sources 2−12062
dark current flow and positively charged particles meas. in uniform field vacuum gap 2−1083
detection, high voltage test system *(French)* 2−1482
flash discharge tubes, breakdown by internal press., vaporisation of wall material 2−9383
high vacuum accelerator tubes, prebreakdown and breakdown processes, review 2−11733
induction motor cage breakdown study using partial equivalent network method *(Italian)* 2−18220
insulators under low press. conditions, press. depend. of DC breakdown of contaminated insulators 2−27559
soil, breakdown following source region EM pulse, effect on power lines 2−27512
spacecraft charging induced discharges, voltage gradients in solar array cavities as breakdown sites 2−23425
thermal breakdown in dielectrics, transient solns. to thermal and elec. conductivity function eqns. 2−9788
van de Graaff generator spark channel charcts. 2−11685
Si epitaxial layers, effect of defects on voltage breakdown of p-n junctions *(Russian)* 2−1225

electric breakdown of gases
see also electron avalanches
air, corona-onset field strength calcs. and equiv. radius concept 2−5839
air, streamer breakdown criterion for compressed gases 2−1084
current zero phenomena by switching-off low-voltage circuits with currents up to 500 A *(Czech)* 2−24854
discharge suppression in gas-inlet system, 10^{-2}-10 torr 2−5843
electric field research, air breakdown, hyperbolic electrode appls. *(Portuguese)* 2−10409
electric field strength in leader channel of a long positive spark in air 2−27577
electronegative gases used in technical insulating appls., breakdown development 2−1504
hexafluoropropylene, dielec. strength under breakdown and prebreakdown conditions 2−15049
LV insulations AC voltage insulating power *(German)* 2−25372
monopole antenna, response to EM pulse with corona, transmission line model 2−26040
particle-contaminated gas breakdown in compressed-gas insulated systems, review 2−1501
positive corona onset voltage computation in atmospheric air 2−9345
SF_6 gas-insulated power transmission systems, pre-breakdown gas discharges in highly non-uniform fields 2−12246
spark breakdown potential meas. in gas mixtures, microprocessor controlled method *(German)* 2−3248
two-electrode gap immersed in arc plasma, breakdown voltage meas. 2−24855

electric breakdown of gases continued
vapour-mist dielectrics, cooling and insulating media for vapour-cooled power transformers 2−9763
Ar, electron swarm parameters 2−14551
He filled diodes, electric breakdown initiated by long-lived metastable states *(Croatian)* 2−5524
Kr, electron swarm parameters 2−14551
Kr filled diodes, electric breakdown initiated by long-lived metastable states *(Croatian)* 2−5524
N_2 cable insulation, at cryogenic temp. 2−27523
N_2, streamer breakdown criterion for compressed gases 2−1084
SF_6 and SF_6-gas mixtures sparking potentials in uniform and nonuniform elec. fields, calc. 2−25375
SF_6 at high pressures and large interelectrode spacing, elec. breakdown strength, obs. 2−9810
SF_6 breakdown characts. with pressure variation in uniform electric field 2−25377
SF_6, effect on the breakdown voltage of surface roughness *(Czech)* 2−5841
SF_6 gas, positive/negative point-plane corona inception under DC and 60 Hz conditions 2−9812
SF_6, gaseous and liquid, dielectric breakdown behaviour, obs. *(German)* 2−9808
SF_6 insulation electric strength for EHV apparatus *(Russian)* 2−28040
SF_6, positive ions in spark breakdown influence of N_2, O_2 and D_2O 2−1503
SF_6 pressurised, breakdown field strength, electrode surface condition effects 2−9809
SF_6 rod-plane gaps, pre-breakdown discharges under positive switching impulses 2−20446
SF_6, streamer breakdown criterion for compressed gases 2−1084
SF_6 voltage breakdown, influence of decomposition products, obs. *(Czech)* 2−5842
SF_6-N_2 mixtures, diffusion rate of SF_6 into N_2 determ. 2−25374

electric breakdown of liquids
AC HV impregnated capacitors, gas generators in dielec. liquids and partial discharges 2−5384
aliphatic alcohols, charging tendency, streaming electrification 2−9778
alkyldiphenylethane, aromaticity of synthetic dielec. fluids and elec. props. 2−5855
alkylnaphthalene, aromaticity of synthetic dielec. fluids and elec. props. 2−5855
dielectric, high field behaviour of moderately pure liquids, complexities 2−1477
dielectric liquids, conduction current and DC breakdown voltage *(Korean)* 2−9768
dielectric liquids, conf., Berlin, West Germany (July 1981) 2−5837
discharging effect on charged oil flow by wire net screen 2−9774
EHD instabilities in the breakdown of point-plane gaps in insulating liquids 2−9798
hexane, flowing, breakdown time lag distrib. 2−1495
high-viscosity dielectric liquids, prebreakdown phenomena 2−1487
hydrocarbon liquid-metal interface, charge formation mechanism in double layer 2−9773
hydrocarbons, electric breakdown process, review of expt. results 2−1489
hydrocarbons, liquid flow electrification and zeta potential 2−9772
hydrocarbons, prebreakdown and breakdown phenomena obs. using high-speed image convertor camera with laser illum. 2−1486
hydrocarbons, prebreakdown and breakdown phenomena using point-plane geometry 2−9799
hydrocarbons, prebreakdown disturbances and luminescence obs. using laser schlieren technique 2−1485
hydrodynamic shock wave propag. after elec. breakdown 2−5838
insulating hydrocarbons, strong current injection under high electric fields 2−9771
insulating oil electric breakdown, effects of additives under uniform electric field *(Chinese)* 2−20462
insulating oils, short time AC V-t characteristics of oil gaps 2−1517
liquid-solid dielectric interfaces, effect of duct configuration on oil activity 2−9776
metal-dielectric liquid interfaces, charge transfer 2−9780
MIDEL 7131, AC and impulse breakdown voltages 2−7903
non-flammable biodegradable transformer insulating fluid, chemical, physical and electrical operating parameters *(Italian)* 2−27956
paraffin, liquid, breakdown strength rel. to gap length, electrode material, additive conc. and presence of O_2, expt. 2−1497
permanent cavities in liquids 2−9787
polarity effect of dielec. breakdown for various molecular structs., breakdown mechanism rel. to electron transport processes 2−1494
prebreakdown gas phase in liquid dielec. breakdown, time resolved image sequence recording using image convertor camera 2−1483
silicone fluid 561, AC and impulse breakdown voltages 2−7903
silicone oils, influence of sample prep. and conditioning procedures 2−5856
solid-liquid interfaces, effect of particles on electric-field induced phenomena 2−9777
streaming liquids, electrokinetic processes 2−9781
stressed liquid, heat transfer 2−9775
Sumoto effect, explanation on basis of increased surface tension 2−9779
transformer oil, AC and impulse breakdown voltages 2−7903
transformer oil, breakdown time lag distrib. for step function approximated impulse voltages 2−1496
transformer oil, effect of insulating barriers on partial discharge onset stresses 2−9770
transformer oil, pre-breakdown density change and current under non-uniform field, schlieren camera with image convertor 2−1522
transformer oil, prebreakdown discharges under sub-atmospheric pressures, high-speed optical system appl. 2−1488
triggered breakdown, shadowgraph optical system for determ. of proportion of gap affected by discharge 2−1498
Ar, liquid, dielectric breakdown rel. to press., voltage polarity, pulse width and impurity 2−1492
He, liquid, AC breakdown strength in millimetre gap range, low-loss He cryostat appl. 2−1491
He, liquid, dielectric breakdown, influence of electrode materials, cryogenic equipment for spark gap cooling 2−1490
He, liquid, dielectric breakdown rel. to press., voltage polarity, pulse width and impurity 2−1492
He, liquid, pulsed electric breakdown delay time 2−20445

electric breakdown of liquids continued
N_2, liquid, AC dielectric strength for normalised spherical electrodes, statistical anal. 2−1493
N_2, liquid, dielectric breakdown rel. to press., voltage polarity, pulse width and impurity 2−1492
N_2, liquid, prebreakdown phenomena study using modified schlieren system, hopping transport mechanism 2−1484
SF_6, gaseous and liquid, dielectric breakdown behaviour, obs. *(German)* 2−9808

electric breakdown of solids
see also impact ionisation; partial discharges; Zener effect
avalanche breakdown phenomena, temp. variations for transistors and diodes 2−9620
bipolar power transistors, power and energy limitations imposed by thermal-mode and current mode second breakdown 2−1353
capacitors, breakdown voltage under single-pulse conditions 2−24742
cast epoxy resins, electrical failure props. 2−20439
charged spacecraft dielectrics, internal breakdown 2−22582
cross-linked polyethylene cable insulation, morphology 2−9796
cross-linked polyethylene insulation, leakage current characts. 2−9803
dielectric breakdown, statistical analysis 2−15045
dielectric failure in power equipment and cable, causes and measures. 2−12595
dielectric strength of insulation arrangements in longitudinal slots, for electric equipment up to 10 kV *(Czech)* 2−5834
dielectric time dependent breakdown, appl. of voltage step testing provides reliability information 2−14935
ethylene propylene insulated underground cables, breakdown voltage prediction from dielectric meas. 2−20441
ethylene propylene insulated underground cables, breakdown voltage prediction from dielectric meas. 2−20442
gate-controlled diodes, avalanche breakdown characts. study 2−9621
glass insulator, surface flashover measurements in vacuum and N_2 gas 2−9805
HV insulators, silicone elastomer protective coatings 2−9807
influence of probability distribution bimodality *(Slovak)* 2−20437
insulating techniques, developments *(Hungarian)* 2−22944
insulator flashover vacuum, surface props. 2−9806
insulators, arcing-over in water, in Rogovskii electrode system *(Russian)* 2−5836
mechanism of breakdown of cast epoxy insulation under the action of partial discharges 2−4267
memory effects, speculations 2−5829
MOS, new technique for input protection testing against electrostatic damage 2−15033
MOS, time-zero dielectric reliability test by a ramp method 2−15032
MV polyethylene and crosslinked polyethylene cables defects survey by German electricity supply industry *(German)* 2−27507
Myler thin film, surface flashover arc orientation 2−20438
partial discharge monitoring, electrical and acoustic detect. computer-controlled data acquisition 2−11399
plastics immersed in transformer oil, anomalous breakdown under surge voltages obs. 2−22357
PMMA, electrical aging, light scatt. study 2−20444
PMMA immersed in oil, anomalous breakdown under DC and impulse stresses 2−9801
PMMA tree patterns under alternating voltages, obs. 2−25387
polyethelene-insulated impulse cables, breakdown and work potential testing *(Russian)* 2−15042
polyethylene, multistress aged, impulsed dielectric breakdown 2−9804
polyethylene, partial discharge inception voltage, systematic study 2−9793
polyethylene film, high-temp. breakdown characts., fixed electrode system 2−9789
polyethylene terephthalate films, elec. breakdown, influence of water 2−20443
polymer, comparative tracking index deviation 2−19478
polymer, water tree growth rate, freq. dependence rel. to dielec. relaxation in host 2−9794
polymer insulating materials, surface deterioration and tracking breakdown due to glow discharge in low press. atm. *(Japanese)* 2−5852
polymeric insulation, interrelationship between treeing, electrical breakdown strength and polymer morphology 2−9792
polymers, light detection as prebreakdown phenomena 2−9797
polymethyl methacrylate resin, current pulses caused by electrical tree development 2−20440
polyolefins, electrically stressed, kinetics of degradation 2−9765
polythene insulation degradation under electric load *(Hungarian)* 2−20435
porcelain plate insulators electric strength under impulse voltage with steep leading edge *(Russian)* 2−27547
power transistors, premature breakdown prevention, impulse strength measurement 2−20240
PTFE insulating material, mech. and elec. lifetime-under-load at cryogenic temps. 2−20464
reliability physics conf., Orlando, Florida, USA (April 1981) 2−18861
semiconductor devices, test of correlation between crystal defects and elec. parameters *(Hungarian)* 2−14743
soil, electrical breakdown props., air ionisation effect, following EM pulse 2−25370
streamers of solid dielectrics, theoretical props., model 2−9800
styrene thin films, plasma polymerized, electric breakdown studies rel. to self-healing 2−9790
synchronous generator laminar insulation system phenomena preceding breakdown under action of strong electric field *(Polish)* 2−23267
synthetic insulation disruptive strength dependence on electrical pre-stress *(German)* 2−20436
Teflon, dielectric charging, straggling and soft X-ray irradiation effects 2−21016
thermoplastic and cross-linked polyethylene cable insulation, morphology 2−9795
thin amorphous chalcogenide films, electrothermal model for breakdown, switching and memory effects 2−9458
Al-Al_2O_3-metal thin film capacitors, breakdown voltage rel. to capacitor area 2−20153
Al-nSi, Schottky barrier diodes, current-voltage characteristics, 300-490K *(Russian)* 2−5720
As_2S_3 glasses, elect. props. 2−9448
GaAs epitaxial layers, breakdown characts. 2−9423
GaAs, laser oxidation, expt. study 2−9577
Ge p-n junction, avalanche breakdown voltage, pressure depend. 2−14673

electric breakdown of solids continued
Ge_3N_4-GaAs MIS devices, elec. charact. and memory behaviour 2−25091
InGaAs-oxide, native grown plasma oxides and inversion layers 2−20199
PbO-SiO_2-Al_2O_3 fritted glass, dielec. breakdown and device evaluation 2−15043
Si MOS structs., pre-breakdown field treatment effect on elec. props. *(Russian)* 2−1248
Si p-n junction, avalanche breakdown voltage, pressure depend. 2−14673
Si, p-n junction, current fluctuations, during secondary breakdown 2−20129
SiO_2 breakdown detector, impact ionisation model, fission product detection 2−11846
Ta-N and Ta-Al-N sputtered films, fabrication and elec. props., R-C component appl. 2−24829
electric cables *see cables (electric)*
electric capacity *see capacitance*
electric cells *see cells (electric)*
electric charge
see also space charge
hydrocarbon liquid-metal interface, charge formation mechanism in double layer 2−9773
MOS structure, influence of Si etching in RF Ar plasma *(Russian)* 2−1245
MOS structure, with plasma grown SiO_2, charge storage, 270-420K *(Russian)* 2−1244
PTFE, irradiation effects on charge storage and cond. 2−5860
SOS films with negative and positive interfacial charges 2−5639
thin-layer interdigital transducers, static capacitance, charge and potential distrib. *(French)* 2−25416
Ge(Li) coaxial detectors, charge losses in sensitive film near-surface region *(Russian)* 2−17257
SiO_2 plasma grown film, in MOS structure, 270-420K *(Russian)* 2−1244
electric coils *see coils*
electric condensers *see capacitors*
electric conductance *see electric admittance*
electric conductance measurement *see electric admittance measurement*
electric conduction processes *see electrical conductivity*
electric conductors *see conductors (electric)*
electric conduits
see also cable sheathing; power cables
ceramic fibre blanket wrap for cable tray and conduit fire protection 2−17740
electric connectors
see also cable jointing
air-line non-equal adaptors for microwave meas. on noninsertable device 2−7201
AMP SOLARLOK connector for photovoltaic modules, reliability and maintainability 2−23634
APC3.5 connectors, improvement on SMA connectors for microwave meas. 2−19928
board prototyping systems 2−9261
bus configuration charact., impulse meas. 2−19921
cable connector retainer 2−19925
cable terminals, using raised water protector units 2−19911
cam-actuated, for pin-to-terminal connection 2−5470
CCITT Study Group recommendations on jointing telecommunication cable conductors 2−10950
chip carrier technology *(German)* 2−14898
coaxial cable and connector assembling method 2−19924
coaxial cable connectors, overview 2−5416
coaxial components for sound and TV broadcasting 2−14354
connecting block, flush wall mounted, using 8-contact modular plug 2−19929
connector contact materials, effect of environment on clad Pd, Pd-Ag alloys and Au electrodeposits 2−24772
contact anatomy, complex metal systems 2−14353
cotter pin terminals, used for PCBs soldered connections 2−9323
cross-connect cabinets, outdoor environment, connector perform. testing 2−16057
cross-connect terminals and connectors, environmental field tests 2−21711
device identification by test-signal duration 2−1007
edgeboard connectors, Sn-Pb contact finish 2−14520
electrical connections for aluminium conductors 2−27543
electroplated connectors, Au-Ag, Sn-Pb and Pd as alternatives to Au, material tests 2−14355
electroplating of electrical contacts, selective Au plating process by in-house operations 2−19926
EMC protective filters, incorporated in electric connectors for electronic equipment *(French)* 2−19923
flexible printed wiring, laser welding to connectors 2−974
heavy duty connectors for battery electric vehicles 2−4408
HV cabling for power distrib. in large spacecraft 2−3569
IC packaging panels, socketing for chip carriers, stitch-wire and BONDEX solder reflow for discrete wiring of PWBs 2−14377
industrial connectors 2−9274
laser welded cylindrical connector contact elements, torque resist. 2−6288
manufacturing techniques and reliability 2−19927
microelectronic packaging and interconnection, future trends 2−13289
military aircraft instrumentation installation, sneak analysis appl. 2−17500
military connectors, industrial appls. 2−1004
modular jack outlet, using surface mounted connecting block 2−19930
multipin vacuum feedthrough, miniature design 2−24769
multiwire matrix print head cable connector 2−9276
optimising connector design, Au plated contacts, performance, cost 2−9277
pad-on-pad elec. connectors, selective Pd deposition on dendrite fingers, electroless technique 2−1006
PC edgeboard interconnectors charact. 2−5472
PCB edge connector plating operation, automatic equipment 2−14519
PCB edge-connectors, Au plating technology 2−14518
PCB manufacture, connectors aligning and terminating 2−1042
PCB metal electrode face bonding 2−14405
PCB terminal connectors, 60 to 220 V range *(Bulgarian)* 2−5465
PCB/thermal compression cooled module interface using spring array carrier, reverse pin guidance system 2−1045
plasma display panel connector using circular clip press. 2−5417
plug and socket, 100 A, for use at liq. He temp. 2−19920
electric connectors continued
plug-and-socket telephone installation, product trial 2−2566
pluggable power connector system 2−5471
power lead terminal electrical safety interlock for test operator protection 2−24770
recent advances *(Swedish)* 2−19922
reference information on interconnections 2−5419
reflection factor meas. of four-pole coupler 2−17121
screw terminal strips, availability 2−1002
screwless ball-locking terminal board 2−5418
separable connectors for printed wiring boards, factors influencing thin-Au performance 2−24773
single-piece, etched circuits, allows replacement of heavy duty cables and connectors in power supplies 2−9275
SMA coaxial connector for semi-rigid cable, improved design 2−14336
solderless package concept for electronic equipment, role of DIN two-part connector 2−90
SOS wafer, electrical interconnection form. in laser-drilled hole array 2−1008
splicing machine for communication cable conductors 2−26381
system design, critical role 2−1003
termination devices, systems approach for attaining design objectives 2−24771
two pin plugs causing electrical shocks *(French)* 2−23966
weatherproof crimp connector 2−24774
wire wrapping, NC-based CAD/CAM system 2−978
wire wrapping and crimping techniques *(German)* 2−8264
Al, and porcelain on steel, hermetic ceramic chips carrier interconnection with printed wiring boards 2−9324
Al wire connections, mechanism of high resistance junction form. obs. 2−1009
Au connector contacts, finishing and cladding 2−14356
Au, savings on materials used in electronics technology for telecommunications *(Japanese)* 2−13852
Pd dendrites as finger-like structs. in pad-on-pad connectors, electroplating production process 2−1005
Pd electrodeposit, as substitute for Au in static connectors 2−1010
Sn and Sn alloy plating, used for electrical connectors 2−5415
Sn plating, appl. as alternative to Au plating 2−24759
electric control equipment
see also controllers; electric actuators; electric final control devices; electric sensing devices; switches; telecontrol equipment; telemetering equipment
630 MW thermal power station automatic control *(German)* 2−27659
automatic record players, control unit description *(German)* 2−11284
computer cassette motor control, using reed relay 2−868
control and drive logic integrated circuits *(German)* 2−12669
DC motor microprocessor interface, used for industrial control, position control *(Italian)* 2−12656
DC motor speed control cct., using CSF UAA 4004 IC, 220 V supply *(French)* 2−4219
design for safe switching of electrical control equipment in coal mines *(Russian)* 2−28321
discotheque lighting and equipment 2−23737
electrical control panels−their design on the basis of fault current *(Italian)* 2−28073
electromechanical transmitters according to the moving field principle and their possibilities for use particularly in medical engineering *(German)* 2−7345
hall-probe sinusoidal-current stabilizer 2−3120
lamps and control gear, how to match them in light of recent developments 2−23726
LV central and drive system unified blocks standardisation *(Polish)* 2−23670
LV control gear, maintenance procedures 2−8220
magnetic tape cassette drive controller SMP-E347, charact. 2−3017
model railway points controller using capacitor discharge 2−859
offshore oil platforms, safety and reliability requirements 2−23398
optoelectronic devices for measurement and control appl. *(German)* 2−6991
problems with the automation of the Polish power system *(Polish)* 2−27358
solid-state reduced voltage starters for induction motors 2−12636
thread rolling monitoring, using electronic instruments 2−8289
unloaded signal meas. convertors and compensation methods *(German)* 2−17122
variable speed electric drives using electronic switching control 2−18641
electric control gear *see electric control equipment*
electric current
see also arcs (electric); corona; critical currents; current density; current distribution; current fluctuations; eddy currents; electrojets; fault currents; leakage currents; overcurrent; short-circuit currents; sparks
arc welding current distribution modelling using conducting paper 2−23826
conduction current during electric breakdown of dielectric liquids *(Korean)* 2−9768
currents flowing in damper winding bars of different resistivity in a heavy duty low speed motor 2−12611
electric fields generation by steady direct conduction current *(Czech)* 2−6293
interruption of small currents in insulating oil medium, current chopping and initial transient recovery voltage 2−7939
visual demonstration of the electric field of a coil carrying a time-varying current 2−13186
Fe, mechanised welding with cored wire, weld formation, welding current effects 2−23803
electric current control
alternating-voltage continuous amplitude control, inductive switching circuit, anal. of power conversion processes 2−23373
arc welding, fast response 300 A DC transistor current regulator 2−18816
arcing current control cct. 2−19819
asynchronous machine, static convertor-fed, current regulation, soln. 2−4121
battery, automatic charging current control circuit *(German)* 2−12723
characteristics and stability of a magnetic suspension with pulse-width current control in the electromagnet *(Russian)* 2−18674
constant voltage invertor driven induction motor starting current limitation 2−4183
current controlled invertor fed induction motor performance anal. 2−4177

electric current control continued
current-source convertor AC motor drive current controller synthesis using linear regulation methods *(Czech)* 2−28140
electric drives, microprocessor control appls. *(German)* 2−18628
emergency lighting circuit efficiency improvement by separately excited single transistor invertor *(Japanese)* 2−8086
fault current control in power conditioning units using power transistors 2−12714
graphitisation furnace, automatic control characts. *(Russian)* 2−28234
hall-probe sinusoidal-current stabilizer 2−3120
induction motor, power consumption reduction by current flow control system 2−4122
invertor driven squirrel-cage induction motor, PWM performance anal. 2−4173
invertor fed synchronous motor excitation control and performance anal. 2−18204
Lumi Quick fluorescent-lamp starter, Mitsubishi Electric 2−23729
machining load current monitoring *(Russian)* 2−26930
single phase invertor characts. 2−19769
static invertors, parallel connection using voltage/current control *(Spanish)* 2−13959
thyristor-driven DC motor K580 microprocessor-based system *(Russian)* 2−4404
voltage source invertors for fast four-quadrant drive performance, rotating reference frame controller 2−18659
xerographic plates charging, corona current control by mesh grid 2−18828

electric current measurement
see also ammeters; galvanometers
π type current transformer using thin magnetic wire for measuring heavy currents of HV lines 2−27975
absolute determination, using electromagnetic oscillations *(Slovenian)* 2−26928
AC current meas. using single-mode fibre Mach Zehnder interferometer sensor configs. 2−7090
ammeter circuit, picoamps to amps range 2−17004
arc furnace electrode regulation using Rogowski coils for exact current measurement 2−23754
biological membrane patches, isolated, nerve and muscle cells, high-resolution current meas. 2−27173
bridge instrument, computation method *(Polish)* 2−17046
computerised polarography 2−22342
current and power calculations in ERZU-1 tube electrode systems in conducting medium 2−17571
DC, pA and μA range 2−17070
DC hybrid contact, method *(Polish)* 2−18394
DC logarithmic picoammeter 2−17020
distribution networks, MW, fault type, anal. and measurement *(Italian)* 2−27475
EHV lines, current meas. using magnetosensitive elements 2−3805
electro-optical transmitters for HV and heavy current measuring appls. in electric power test laboratories *(French)* 2−17075
electro-optical transmitters for HV and heavy current measuring appls. in electric power test laboratories *(French)* 2−17076
electrometer preamplifier for measurement of voltage current and resistance on high resistivity materials 2−3206
FET amplifiers, bias current measurement 2−19556
fibre optic measurement sensors 2−25522
fibre-optic current meas. sensor, using Sagnac interferometer *(French)* 2−26832
graphitisation furnace, automatic control characts. *(Russian)* 2−28234
Gunn diodes, maximum/minimum current ratio meas. 2−11573
Hall effect, introduction and applications *(French)* 2−5717
heavy current meas. in power test laboratories using coaxial shunt *(French)* 2−17072
heavy current meas. using AC comparators *(French)* 2−17074
HV lines current meas. using their magnetic fields *(Russian)* 2−3804
integrating electrometer for current meas. in range 10^{-16} to 10^{-10} A 2−11574
lightning induced currents, meas. by coaxial shunt method *(French)* 2−17073
linear temperature programmer for thermally stimulated current meas. 2−26929
low ionisation current meas., dosimetric problem 2−11824
machining, monitoring system *(Russian)* 2−26930
optical fibre current measurement device at generating station 2−11576
parametric synthesis of current measuring transducers *(Russian)* 2−3142
Poggendorf and Lindeck-Rothe zero-load signal measurements methods *(German)* 2−7151
Poggendorf zero load signal measurement method *(German)* 2−7152
programmable V/I stimulus and measurement module using FET switches 2−698
pulse current meas., coil with magnetic core design *(Chinese)* 2−17069
pulsed high current discharge ccts. 2−11568
quadrature-current reference, current-comparator-based, power meter calibration appl. 2−12321
real-time electric current spectrum analyzer 2−11406
regulated motor-car train drives, potential-separating error detector for current and voltage measurement *(German)* 2−23719
semiconductor devices, V-I characts. measurement method *(Russian)* 2−3237
solar cell characteristics plotter with sample hold 2−7997
streaming current in infinite length of pipe, limiting value meas. method 2−7178
synchronous high-speed oscillography of voltage and current for studying the release of energy in a vacuum spark discharges 2−11519
transformer DC pick-up, optimum supply voltage selection 2−3119
transient data acquisition, characts. 2−26799
transistor parameters meas., unijunction, device with automatic meas. capability 2−7140
true RMS AC measurements 2−17064
ultra low current meas. parametric amplifier circuit 2−11575

electric discharge machining *see spark machining*

electric discharges *see discharges (electric)*

electric distortion
see also fading; reception
AF oscillator, low distortion sinewave output, 0.003% THD, 15 Hz to 150 kHz, VMOS output stage for square wave generation 2−7112
audio instruments, nonlinear distortion study 2−3009

electric distortion continued
current-feedback bipolar transistor amplifiers, harmonic and intermodulation distortion 2−5125
data transmission systems, optimum predistortion of signals *(Russian)* 2−21349
delay-lock discriminator, characts. degradation due to transmission channel distortion *(Japanese)* 2−26080
diode AM detectors, conditions for no nonlinear distortion 2−24460
distribution lines, harmonic distortion factor, calc. and anal. 2−16654
electrostatic field parameters meas. w.r.t. distortion due to meas. elements 2−26927
fading distortion correction techniques, digital microwave radio 2−2247
ferroresonant constant voltage transformers, low distortion, good stability and regulation 2−7896
IMPATT amplifier, nonlinear distortions *(Russian)* 2−723
loudspeaker mechanical parameters synthesis by electrical means 2−3008
LV consumers electricity supply voltage characts., influence of domestic and other appliances 2−27411
MESFET amplifiers, intermodulation distortion 2−24405
microwave FM links, baseband equalizer for intermodulation noise reduction 2−16350
monolithic AF amplifiers, computer-aided evaluation of transient intermodulation distortion 2−751
MOS LSI, low freq. harmonic distortion 2−20400
multichannel analogue TV transmission over graded-index fibres, noise, distortion and fibre length 2−11199
photoresistors, nonlinear distortions in low-frequency region *(Russian)* 2−961
quantizing distortion, examination for communication networks *(Hungarian)* 2−16258
radio receiver synthesis with min. value of distortion probability 2−11192
SAW time inversion system distortion estimation, based on delta function approx. 2−6425
TV transposer system, automatic waveform equalizing equipment for ghost cancellation and distortion compensation 2−6925
TWTs, broadband, using second harmonic phase jump, nonlinear signal distortion reduction 2−20034
varactor intermodulation distortion 2−19904

electric distortion measurement
artificial-mains network ESH-2-Z5 for measuring interference in communications receivers 2−26900
ATE for nonlinear distortion meter, errors evaluation under a priori conditions 2−26738
automatic distortion analyser, Tektronix (AA 501) 2−17039
nonharmonic distortions in audio amplifiers, meas. in accordance with DIN, SMPTE, and CCIF standards *(Croatian)* 2−24408
transient intermodulation distortion, fully in-band multitone test 2−2165
transient intermodulation distortion meas. method, comparison with conventional method 2−25989
videocontrol device scanning, non-linear distortion measurement *(Bulgarian)* 2−26953

electric domain walls
trissarcosine calcium chloride, switching parameters, temp., elec. field and press. depend. 2−15059

electric domains
see also electric domain walls; ferroelectric materials
transferred-electron logic devices, domain form., fluctuations meas. by optical pulses 2−25179
$LiNbO_3$ used in SAW devices, effects of ferroelec. domains on surface struct. 2−15058
PLZT X/65/35, transparent ferroelec. ceramics, phase transitions 2−5846
$Pb(Fe_{0.5}Nb_{0.5})O_3$, ferroelec. crystal, high-temp. soln. growth, single domain obs. 2−24275
$PbTiO_3$-$PbZrO_3$-$PbNb_{2/3}Mn_{2/3}O_3$-$PbW_{1/2}Mn_{1/2}O_3$ systems, temp. stability of reson. freq., comp. depend. 2−25378

electric double layers *see electrochemistry*

electric double refraction *see electro-optical effects*

electric drives
see also clutches; electric propulsion
3-phase synchronous and asynchronous drives for German and international railways, state-of-the-art *(German)* 2−18669
50 kVA PWM invertor motor drive, microprocessor controlled 2−12977
AC, microprocessor-controlled, characts. *(German)* 2−28151
AC 2−4389
AC and DC, convertor fed, energy consideration 2−4397
AC drive technology, review 2−18654
AC drives, adjustable speed, technology status review 2−28147
AC for high power portal crane, characts. 2−4395
AC induction stepping motor, design, construction and operational characts. 2−12653
AC motor drives, 12-step current source invertor *(Korean)* 2−4289
AC motor drives for electric vehicles 2−18665
AC variable speed, classification 2−4258
AC variable speed drives, eddy current and variable frequency invertor, choice and appls. 2−8024
AC/DC electric motors using electronic speed controllers for variable speed drives *(French)* 2−23659
adaptive controller characts. 2−18642
adjustable frequency synchronous motor drives, appls. 2−18651
aircraft induction motors with unstable supply freq., operating feature and static/dynamic characts. 2−27927
algorithm for evaluating the sensitivity of automatic control systems for electric drives 2−8032
analysis of solar powered electric water pumps/ 2−23204
analytical model of solar powered separately excited DC motor 2−27942
armature current form factor in convertor-fed DC drives *(German)* 2−8026
asynchronous drive, thyristor-fed, group supply voltage quality evaluation 2−18639
asynchronous drive with thyristor voltage regulator, design calc. 2−18638
asynchronous machine drive with short circuited stator, braking modes investigation 2−18640
automatic control for a video head block of studio video tape recorders using noncontacting DC motors *(Russian)* 2−21979
automatic electric drive systems, hastening transient processes by means of microcomputers *(Chinese)* 2−18627
automation of synchronous drives for a reliable operation of electrical equipment in catalytic cracking points *(Russian)* 2−18824
blooming mill, 44-in., static excitation and control system 2−8105
brushless asynchronous cascade motor for variable speed drive 2−4203

electric drives continued
capacitance-inverter braking of induction motor drives *(Russian)* 2—4388
cascade-type thyristor drive units for pumps *(Polish)* 2—23671
cassette tape recorders, noise suppression problems due to compandors *(German)* 2—22006
central fan applications, eddy current adjustable speed drives 2—18650
characteristics of linear synchronous motor drive cycloconverter for Maglev vehicle ML-500 at Miyazaki test track, Japan 2—8044
chopper driven DC motor back EMF calc. model 2—4224
chopper fed DC motor drive system, steady state performance simulation 2—8028
CIP Gatineau paper mill, electric drive control system for paper machine speed control 2—18635
commutatorless electric motor performance anal. 2—4017
complete subsystem convertor cascade with 6/12-pulse feedback system, digital simulation 2—23665
computer simulation of DC machines 2—4233
condensate pump drives with constant speed induction motor, cost effectiveness 2—12973
constant speed, automatic test system 2—22131
control system design allowing for elasto-viscous couplings *(Russian)* 2—28139
control system design of DC transistor chopper motor drive *(Slovenian)* 2—7865
convertor-fed, synchronous, high-power, industrial appl. 2—28150
convertor-fed AC drives, hybrid simulation model *(German)* 2—4112
cranes, floating for off-shore construction, convertor-fed DC drives rated at 3100 kW, supply problems 2—23851
current controlled invertor fed induction motor performance anal. 2—4177
current source invertor driven induction motor flux control method 2—4180
current source invertor-fed induction motor drives, performance improvement 2—18660
current-source convertor AC motor drive current controller synthesis using linear regulation methods *(Czech)* 2—28140
current-source invertor drives, 6-phase inductor motors 2—18254
cycloconverter fed variable frequency operation of induction motor 2—4174
cycloconvertor driven, induction motor performance anal. 2—4171
cycloconvertor driven, induction motor performance anal. 2—4172
cycloconvertor-fed drives for rolling mills, use of synchronous/asynchronous rotating-field machines with field-oriented control 2—18802
d-q model for six phase induction machines 2—4188
DC, speed control by microprocessor *(Czech)* 2—28141
DC, supplied by parallel connected 3-phase bridges, operational conditions verification 2—28142
DC chopper regulator construction, functions and operation for railway electric drives *(German)* 2—23368
DC drives, interfaced with microprocessor systems for speed control *(Italian)* 2—12970
DC motor, speed control system A/D convertor 2—23355
DC motor braking, pseudo-bipolar PWM switching 2—696
DC motor chopper quasi-steady state anal. 2—18636
DC motors, behaviour in dynamic conditions *(Rumanian)* 2—18261
DC motors, bidirectional, typewriter drive appl., paddle wheel exhaust fan system 2—27940
DC motors with separate excitation and adaptive control, online parameter estimation *(Chinese)* 2—18257
d.c. reversible drives, synchronisation control using microcomputer controller 2—12966
DC rolling-mill drives, simulation of dynamic performance 2—18661
DC thyristor choking selection *(Croatian)* 2—18637
DC thyristor electric drives, steady-state operating regimes mathematical description using harmonic components and Laplace finite transform 2—28149
DC/AC electric motors speed control and drive systems, applications *(Dutch)* 2—18157
developments in variable-speed drives 2—28148
diesel driven load haul machines conversion to electric drive 2—28158
diesel-electric locomotive, MaK, DE 501, three-phase AC power transmission *(German)* 2—23709
doubly thyristor fed, synchronous motor linear model 2—18181
dynamic characts. of conveyor belt drives comprising AC or DC motors, calc. *(Russian)* 2—23684
dynamic model for the simulation of the switching properties of thyristors 2—4398
electric equipment of traction electric drives for new diesel locomotives, design 2—4426
electric motor, computerised position and speed meas. 2—23241
electronic motor aptitude for high regulation range DC drives, torque pulsations *(German)* 2—28144
engineering, development trends *(German)* 2—12968
fan control for the glass industry using static induction motor drives 2—18834
frequency multiplier for induction motor drives 2—14275
frequency-controlled induction machine torque charact. adjustment by supply voltage charges, comments *(Slovenian)* 2—18218
fuel equipment, microdrives, charact. *(Russian)* 2—28146
heavy starting large synchronous motors, hybrid computer simulation 2—12603
hierarchical control system, state trajectory determ. *(Czech)* 2—8023
high field permanent magnet synchronous motor performance anal. 2—12623
highly versatile digital firing circuit for SCR motor control application 2—4396
HV medium-size induction motors for electric motor drives *(Croatian)* 2—27924
hybrid (electric/internal combustion engine) passenger car development 2—18715
hybrid vehicle economic and energy consideration 2—18714
IANTAR high-power thyristor-supplied drive control systems *(Polish)* 2—23669
IBM diskette and diskette drive, review 2—20498
IC motor drive system for daisy-wheel printers and typewriters *(Swedish)* 2—18629
induction drives, phase-commutated convertors for slip-power control 2—18653
induction drives for urban railways, using transistor-invertor system 2—8042
induction motor choice to limit energy consumption 2—7841
electric drives continued
induction motor drive, high perform. by coordinate control using controlled current invertor 2—18656
induction motor drive, starting transients calc. 2—7855
induction motor drive PWM invertor, microprocessor-based control system with I/O processing unit LSI 2—12759
induction motor drives, in-line optimal control 2—18657
induction motor drives, PWM invertor using gate turn-off thyristors 2—12980
induction motor drives, speed control *(German)* 2—4116
induction motor fan drive new design for fan drivers with full-speed rating in excess of 1 kW 2—12974
induction motor PWM waveform performance anal. 2—4165
induction motor speed control for drive economy and productivity 2—27904
induction motor starting transients calc. 2—7854
induction motor triac speed control, PLL techniques and transfer functions 2—4185
induction motor velocity and start control, three-phase rectifier drive performance anal. 2—4187
induction motors starting transients digital simulation 2—4198
induction motors with saturable leakage reactance, modelling and simulation 2—18252
Industry Applications Society meeting, conf., Philadelphia, PA, USA (Oct. 1981) 2—13164
invertor driven induction motor, equivalent circuit and performance calc. 2—7849
invertor driven induction motor, performance anal. 2—4167
invertor driven induction motor, PWM performance anal. 2—4166
invertor driven induction motor, PWM performance anal. 2—4168
invertor driven induction motor, PWM performance anal. 2—4169
invertor driven induction motor, PWM performance anal. 2—4170
invertor driven induction motor stability anal. and modelling 2—4175
invertor driven squirrel-cage induction motor, PWM performance anal. 2—4173
invertor fed synchronous motor excitation control and performance anal. 2—18204
invertor fed synchronous motor performance anal. 2—18207
invertor-fed induction motor drive, control charact. 2—18655
invertor-fed series wound excited reluctance machine, adaptive control 2—12631
invertor-fed synchronous motors with variable speed, excitation systems 2—12633
invertor/induction motor drive for electric car *(Polish)* 2—27925
KLIMACT drives with integrated temperature controller *(German)* 2—12971
lehr drive, variable frequency, appl. and installation 2—18648
linear motors as positioning drives *(German)* 2—8029
local public passenger transport using 3-phase drives, energy savings *(German)* 2—23692
low speed high power drive, with wrap around motor and adjustable frequency cycloconverter 2—18634
low-power traction drives using DC disc-armature motors 2—18647
LV central and drive system unified blocks standardisation *(Polish)* 2—23670
magnetic disc file technology development, review 2—20496
main propulsion drive for remotely piloted aircraft 2—17533
materials handling, linear drive appls. *(German)* 2—8133
mathematical modelling of an electric drive with regard to flexible coupling *(Russian)* 2—12967
microprocessor control appls. *(German)* 2—18628
microprocessor-based control and regulation *(German)* 2—28143
microprocessor-based convertor fed self-control synchronous motor starting scheme 2—18196
microprocessor-controlled, servo equations and 1st order control loop performance *(German)* 2—4394
motor control, AC replacements for DC drives 2—8031
motor-car train drives impulse and stages by opto-electronic couplers to ignite power thyristors *(German)* 2—23687
motors, conf. at Athens, Greece, 1980 2—23240
motors for compressor drives, selection 2—7839
multimotor unified elec. drives with flexible couplings, modelling and optimisation *(Russian)* 2—23663
new form of composite-rotor induction motor for fan drives 2—27922
offshore oil and gas platforms, design problems 2—23661
one-quadrant DC drives, automatic speed control 2—18652
optimal metal cutting machine tool spindle drive, d.c. motor control to extend constant horsepower range 2—27945
performance analysis of a DC drive electromechanical system with elastic coupling and pulsating load torque 2—23664
permanent magnet synchronous motor drive with current source invertor, steady-state anal. 2—12978
piercing press automation by electronic control of the rotating table *(French)* 2—23322
power electronics using microprocessors for control and supervision *(German)* 2—23667
powerful asynchronous electric motors for the main circulating pumps of nuclear power stations 2—18241
present position and development trends in adjustable speed AC drives *(German)* 2—8025
primary current-harmonics amplitude and phase control *(Russian)* 2—18630
pulse shaper for thyristor group control, AC and DC drives appls. *(Russian)* 2—24465
pump with pony motor, reliability in flow system 2—12964
PWM invertor charact. 2—15819
PWM invertors, digital control by microcomputer, induction motor speed control appls. 2—18363
PWM power transistor invertor for AC elec. vehicle drive, computerised controlled 2—18351
quiet electric drive for deep submergence submarines appls. 2—18662
rapid transit systems, propulsion system with power electronics, AC- and DC-drives 2—18708
rapid transit systems, rate-coded audio-freq. track ccts. with chopper propulsion drive, compatibility 2—18690
reactive power automatic compensation equipment for steel mill drive instabilities 2—18626
record player drive mechanism, dynam model 2—4392
regenerative braking performance analysis of a thyristor-chopper controlled DC series motor 2—18267

electric drives continued
regulated drives, present state and development trends survey *(German)* 2−4393
regulated motor-car train drives, potential-separating error detector for current and voltage measurement *(German)* 2−23719
reluctance motor invertor drive, performance anal. 2−833
reluctance motor invertor-driven drive, microprocessor control and system response 2−18646
rolling mill drive tuning to minimise dynamic torques 2−8102
rolling mill electrical drive load evaluation by computer *(Russian)* 2−18789
rolling mills design and planning developments 2−28267
rotary, direct-drive, recent developments and applications 2−12756
self-controlled synchronous motor without shaft positions sensor, starting operation 2−12634
shaded-pole motor verses permanent split capacitor motor for reversible fan drives 2−12975
shafts of driving machinery, eqn. of motion parameter behaviour, calc. method *(Rumanian)* 2−28138
ship propulsion, technology development 2−13038
simulation of AC machines by SPICE program 2−4108
single phase traction drive with solid rotor induction motor and synchronous phase convertor 2−12991
single-phase switched reluctance motor drives and motor construction 2−18644
single-phase synchronous machine drive with induced excitation, synchronous performance 2−18645
small and special electrical machines, conf. London, England 22-24 Sept. 1981 2−12581
space vehicles, scan actuator subassembly for Galileo project 2−17493
special motors for pump driving units *(French, German)* 2−27950
speed controlled electric drives for cranes using tubular cage motors *(Hungarian)* 2−23668
squirrel-cage motor transient behaviour digital simulation 2−4209
squirrel-cage motors, transistor frequency convertor-fed for 3-phase drives *(German)* 2−18223
stabilized drive system for stepping motor, analogue quartz watch appl. 2−28137
star connected multipole four phase reluctance motor microprocessor-controlled system 2−23280
static and dynamic behaviour of an AC supplied traction drive 2−4400
static DC drives, redesigned using analogue LSI 2−8986
static frequency converter for supplying sets of three-phase electric motors in elec. drive system 2−27996
static induction motor drive capabilities for the petroleum industry 2−18248
static inverter AC drive efficiency 2−28145
static Scherbius drive system for 6700 kW motor used for NO_x reduction in sintering plant 2−23666
stator voltage controlled current source inverter induction motor drive, linearised model 2−18658
steam turbine, synchronous motor driven pump *(Russian)* 2−23090
stepper motor drive system, forms pedestal switching testing 2−23979
stepping motor, two-axis, characts. 2−4242
stepping motor microprocessor based speed and torque control system 2−23326
stepping motors, characteristics, comparison with conventional electric motor behaviour and appl. *(German)* 2−23321
synchronous, with thyristor frequency convertor, math. model. 2−4391
synchronous machine brushless exciter transfer function 2−18197
synchronous machine for large-horsepower, adjustable drive systems, power transmissions 2−18216
synchronous motor adjustable frequency drives for large mechanical-draught fans 2−18643
synchronous motor-gearbox mechanical drives, noise reduction 2−4401
synchronous salient machines, electromagnetic and mechanical transients calc. 2−4390
tape drive attachment support, reduction of system program overhead 2−5895
three phase Simotrac drives for Rheinbahn's B80D trams 2−28183
three phasemotor control using ursalog 5010 stored program control equipment, rolling mill appl. *(German)* 2−12965
three-phase, electronically fed based on asynchronous motors *(German)* 2−12969
three-phase asynchronous electric drives with freq. convertors, physico-math. modelling *(Russian)* 2−23662
three-phase sinusoidal voltage generator for use with AC motor drive systems, construction and principles *(Polish)* 2−7814
three-phase voltage controlled invertor driven induction motor, performance anal. 2−4179
thyristor, energy characts. *(Russian)* 2−23364
thyristor, regulator parameter optimisation *(Russian)* 2−4281
thyristor and convertor equipment equivalent current formulae *(Polish)* 2−18632
thyristor automatic drive control system for electric conveyor trucks for improved manoeuvrability *(Hungarian)* 2−18631
thyristor commutatorless motors, effects of mag. saturation 2−12979
thyristor controlled drive reliability parameters and assessment guidelines *(Polish)* 2−18633
thyristor controlled induction motor d-q axis equivalent circuit 2−4182
thyristor controlled synchronous motor drive in rolling mill, rotor oscillations anal. *(Russian)* 2−7846
thyristor convertors, for DC drive control 2−28031
thyristor convertors for DC drives, ASEA's new generation 2−27991
thyristor frequency convertors type YRRA for induction motor drives 2−27992
thyristor invertors, type PT-AVK, for induction motor drives *(Russian)* 2−28027
thyristor-fed reversible DC drives, active and reactive energy balancing methods *(Polish)* 2−12972
torque controller using voltage source invertor and induction machine 2−18663
torque-speed characteristics, evaluation method, acceleration *(Russian)* 2−23685
traction drives electronic systems, parametric reliability appraisal by means of nonlinear physical modelling *(Russian)* 2−23675
transient processes, in starting and braking, comparative analysis *(Bulgarian)* 2−4387
transistor chopper driven, DC motor performance anal. 2−4229
universal motors, appls. *(French, German)* 2−27852
variable freq. invertor fed, performance anal. 2−4186
electric drives continued
variable frequency centrifugal pump motor drive, optimal characts. 2−18649
variable frequency induction motor, performance anal. 2−4178
variable speed, industrial units rated up to 10 MW and above 2−8030
variable speed, reviews 2−4399
variable speed drive microprocessor control 2−28152
variable speed drives for squirrel cage motors, impact of electronics and microelectronics *(German)* 2−18145
variable speed electric drives using electronic switching control 2−18641
variable speed induction motor drives, invertor appls. 2−12707
variable speed thyristor converter-fed synchronous motor drive 2−8027
variable static frequency converters for motor drives 2−18326
voltage source invertor/synchronous machine drive systems, steady-state perform. 2−18664
voltage source invertors for fast four-quadrant drive performance, rotating reference frame controller 2−18659
VW Golf drive system, environmentally inoffensive *(German)* 2−12981
Al reversing hot rolling mill process computer control 2−23794

electric field effects
see also acoustoelectric effects; discharges (electric); electrical conductivity; electro-optical effects; electrochemistry; electrodynamics; electroluminescence; electromechanical effects; electromigration; electron field emission; electrophoresis; field emission ion microscopy; field ion emission; field ionisation; high field effects; magnetoelectric effects; particle optics
biological effects of power freq. fields, literature survey including work in West and USSR 2−12221
corona performance of power transmission lines, study in environmental chamber, feasibility 2−22942
dielectric fluid flowing along annular channel, influence of electric field of heat transfer 2−25893
high power turbosets, parasitic currents, causes and measures 2−12476
negative ion generator cct., O_2, possible medical appl. 2−17401
new method of cleaning metal objects 2−18992
power overhead line electric field effects on humans and animals *(Dutch)* 2−22573
Rayleigh wave propagation in piezoelec.-semicond. system, transverse elec. field effect 2−1505
solid-liquid interfaces, effect of particles on electric-field induced phenomena 2−9777
synthetic-fibre ropes for staying aerials, elec. field effects *(German)* 2−10602
GaAs layers, vapour phase growth rate and morphology, elec. field effect 2−19408

electric field measurement
see also field plotting
50 Hz electric fields, strength meas., spherical meter working principles *(Polish)* 2−11523
automatic ellipsometer for electric field measurement near liquid/solid dielectric interfaces 2−11570
broadband survey meter for electric field meas. HI-3001 EMC/EMI, health, safety appl. 2−26051
diffraction by dielectric wedge meas. at 9 GHz 2−11572
discharged current characts., from needle electrode, applications to thunderclouds detection 2−7172
EFM 5 monitor for RF leakage meas., 200 kHz to 1 GHz range, industrial, consumer devices appl. 2−26050
electrostatic field parameters, distortion suppression due to meas. elements 2−26927
EMC meas. of electronic equipment, using TEM cell 2−15740
fibre optic sensors for medical and electrotech. appls. using bifurcated fibre bundles 2−6031
insulating materials, surface and volume conductivity, field calcs. *(German)* 2−9821
isotropic E-field probe radiation monitor, EFM 5, 0.2 to 1000 MHz freq. range 2−26049
isotropic electric field monitor at National Bureau of Standards, USA, design and calibration 2−17041
miniature electric field probe with resistive transmission lines, anal. 2−11564
RF shielded anechoic chamber design guide, 30 to 1000 Mhz meas. range 2−26806
surface fields, miniature ELF probe, EMC appls. 2−26835
synchronous machines, relative displacement of nearly synchronous phenomena determ. *(German)* 2−3268
transducer, induction-parametric 2−3125
vibrating-electrode field meter for meas. of electrostatic field intensities at high temps. 2−7080
Ag halides, photocond. meas. using microwave cavity 2−11600
Si surface p-n junction, surface electric field two-channel meas. using mirror electron microscope 2−14603

electric field strength measurement *see electric field measurement*

electric fields
see also electric field effects; electric field measurement; electromagnetic fields; electromagnetic waves; field plotting
(B,H) stationary fields without source and null boundary conditions in non-linear media, existence, uniqueness and stability theorems 2−21009
capacitor, partial discharge and insulation strength determ. *(Russian)* 2−9247
capacitor displacement current, field theory approach 2−15603
charge simulation method with complex fictitious charges for calculating capacitive-resistive fields 2−12280
charged cloud emerging from vent stack, electrostatic field 2−10415
computation problems with symmetric boundaries, group and representation theory appl. 2−2073
corona on hyperboloid of revolution-plane configuration electrodes, obs. 2−9347
dielectric doubly periodic struct., transverse electric wave propagation 2−2115
dielectrophoretic levitation, cusped electrostatic fields 2−2095
dielectrophoretic levitation, electrode geometries 2−7192
EHV and UHV power overhead lines, elec. fields at ground level with inverted delta config. 2−22934
EHV bundle conductors, electrostatic field calc. *(French)* 2−3761
ferromagnetic plate in homogeneous nonsinusoidal field magnetisation reversal calc. 2−21025
generation by steady direct conduction current *(Czech)* 2−6293
HV DC cable accessories, nonlinear anal. of elec. field distrib. using finite element method *(Japanese)* 2−17724

electric fields continued
HV insulation techniques, weak inhomogeneous electric fields in enclosed HV devices *(German)* 2−15061
HVDC transmission lines, ion flow field calc. by finite element anal. 2−17748
hyperbolic electrode research appls. *(Portuguese)* 2−10409
leaky waves supported by wire grid above a reactive surface 2−2204
methods for calculating electric fields/ of high voltage equipment/ 2−4011
modal expansion in a waveguide, contribution of the ψ=constant mode 2−2176
ocean current electric field, sediment conductivity determ. 2−12082
penetration behind screen in nonstationary conducting medium 2−10410
plane-parallel circular rotating electric field generation, field equations and electrodes shape required 2−25896
potential relaxation for field problems with open boundaries, iterative method 2−21021
power cable electric field analysis by surface charge method *(Japanese)* 2−17719
prearcing processes in fast fuses, calc. and obs. *(Russian)* 2−19931
solar cell, vertical, internal elec. field distrib. 2−12865
squirrel cage induction machine, magnetic field, eddy current contrib. 2−23300
stationary fields without sources in nonlinear media, existence and stability theorems 2−21010
strength, in leader channel of long positive spans in air 2−27577
surface fields excited by a vertical electric point source located on a conducting concave spherical surface 2−21020
switches, ICA type, 7.2 kV/400 A, for fire damp-proof cell, electric field distribution anal. *(Rumanian)* 2−28052
synthesis of one- and two dimensional electrostatic field 2−6292
tandem accelerator, electrostatic field distrib. calc. 2−11699
thermoplastic recording for sinusoidal exposure struct., elec. field calc. *(German)* 2−20985
thermoplastic recording medium, electric field and potential during electrophotographic information transfer *(German)* 2−10412
three-core power cables, elec. stress anal. rel. to insulation dimensioning 2−22890
two-dimensional anisotropic compound regions mapping into isotropic regions 2−6294
unipolar corona discharge in hyperboloid-plane gap, calc. and obs. 2−9346
visual demonstration of the electric field of a coil carrying a time-varying current 2−13186
$Bi_{12}GeO_{20}$ phase-conjugate wave-front reflectivity, electric-field depend. 2−20961
$KNbO_3:Fe^{2+}$ phase-conjugate wave-front reflectivity, electric-field depend. 2−20961

electric filters *see filters*

electric final control devices
see also electric actuators; electric motors; switches
industrial component selection for programmable controllers 2−12760
TR 4379 temperature controlled, characteristics of thyristor final control elements *(German)* 2−12753

electric furnaces
see also arc furnaces; resistance furnaces
ceramic, sintering furnace, low cost, high temp. induction system 2−23758
chamber furnace KO 13, 5/4 heated by SiC heating rods, electronic regulating system application *(German)* 2−23762
coreless induction furnaces, features and advantages 2−28232
DC graphitisation furnace, automatic control system *(Russian)* 2−28236
electrode voltage meas. in glass melting furnace, DC millivoltmeter development 2−17042
glass, thyristor control of power 2−18830
glass melting, electric furnace design 2−18832
glass melting, graphite electrode appls. 2−18833
glass melting bottom electrode boosted elec. furnace, electrical sizing of power supply 2−18831
glass-making, high productivity electrical tank furnace 2−8125
graphitisation, automatic control charact. *(Russian)* 2−28234
industrial graphitisation processes, electric power utilisation efficiency improvement methods *(Russian)* 2−28235
IR furnaces for firing of thich film resistors 2−9328
Maxwell's equation solution for axisymmetric invariance case *(French)* 2−23757
medium frequency induction plants static frequency convertors construction and operation *(German)* 2−23761
microprocessor controlled 10 MW induction heating furnace used at British Steel Corporation, UK 2−4488
open-coil decarburization furnace, O_2 conc. cell trial utilization 2−11467
steel melting furnaces, 154 MVA, elec. power supply equipment installation and operation 2−18801
supplementary electric heating, for high productivity furnaces 2−13075
technological development of furnaces and energy economy *(French)* 2−13077
transformer-fed, booster scheme, reasons and anal. *(French)* 2−28240
wall heat flow numerical calc. *(Croatian)* 2−18763

electric fuses
aged elements with M-effect additives, time/current charact. *(German)* 2−9282
cartridge fuses, performance and specification improvements 2−9280
changes concerning co-ordination of cartridge fuse and cable ratings, UK wiring regulations 2−53
control of integral characteristics of high-speed fuses, anal. *(Russian)* 2−12732
development trends in fuses and vacuum interrupters for distribution system protection 2−27581
distribution transformer protection by internal fuses 2−27970
effect of various factors on characteristics of fuses *(Russian)* 2−24776
electrical equipment protection, standardisation, moulded cct. breakers versus fuses 2−12737
electronic circuits protection 2−7948
FUSETRON, two component fuse *(Spanish)* 2−14358
load-break switches and current-limiting fuses, IEC Publication 420, overview 2−28044
LV and MV devices for protecting electrical conductors and equipment, fuse-to-fuse coordination 2−22958
LV electrical equipment wiring regulations and international fusegear standards. 2−7952

electric fuses continued
LV fuse standards, 15th IEE Wiring Regulations, impact 2−9279
main voltage fuses, type D and DO, comparison *(German)* 2−9281
power capacitors with external and internal fusing, comparison 2−965
prearcing processes in fast fuses, calc. and obs. *(Russian)* 2−19931
short-circuit tests of fuses, automatic evaluation device *(Czech)* 2−24775
surge arresters with current limiting fuses, analytical method for coordination 2−3801
technology of fuse protection in HV capacitor application 2−7580
testing, total arcing energy maximisation 2−14357
voltage supply emergency brake circuit including fuse and zener diode 2−689
Ag-plated glass fibre fuse links for continuous currents <63 mA *(Polish)* 2−14359

electric generators
see also a.c. generators; amplidynes; d.c. generators; magnetohydrodynamic convertors; standby generators; turbogenerators; Van de Graaff generators
aircraft variable speed const. freq. electrical system, cost of ownership 2−12039
battery design for use in starting diesel generator set *(Norwegian)* 2−23408
buying used engine-generator set, checklist 2−12420
end bells made from non-magnetic steel, resistance to stress corrosion and H embrittlement *(German)* 2−7796
installation of power generating units rated over 250 kV.A *(Polish)* 2−18937
magnetic field and transients calc., conf. at Athens, Greece, 1980 2−23240
overheating protection, implementation of pyrolysate analysis of materials employing tagging compounds to locate an overheated area in a generator 2−23259
power plants, main charact. and suppliers 2−7591
stored program control of synchronisation with the mains *(German)* 2−27871
superconducting, digital simulation 2−7834
superconducting, magnetic field calc. 2−7833
superconducting, performance anal. 2−4078
superconducting, transient behaviour 2−4079
superconducting, transient behaviour 2−4080
superconducting, transient currents calc. 2−4075
superconducting magnetic fields calc. 2−4074

electric glow *see corona*

electric heaters *see electric heating*

electric heating
see also dielectric heating; domestic appliances; drying; electric furnaces; heating elements; induction heating; ovens; radiofrequency heating; space heating
cold store warehouses, electric floor-heating system for entrances *(Japanese)* 2−13081
domestic heating regulation, microprocessor-based control, economics *(French)* 2−4473
domestic hot water provision, eight technologies, comparative net energy analyses 2−23927
electric cooking unit electronics *(German)* 2−23759
Electricaire central heating, user study 2−18769
electroheat for industry 2−23752
energy saving in induction heating, practical and technical details *(Japanese)* 2−28231
frequency convertor, static, high power, with constant DC voltage intermediate circuit, for electric heating of trains *(Rumanian)* 2−28244
furnaces, high productivity, improved supplementary elec. heating system 2−13075
glass conductance controlled electric forehearth 2−8127
industrial heating in Poland, economics *(Polish)* 2−28241
IR furnaces for firing of thich film resistors 2−9328
mass reflow soldering, heating technique using vapour condensation machine, elec. immersion heater bank 2−13286
metals, heating by electric arc 2−13073
NICHROME heater, for stripping insulated wire 2−5394
process heater, microprocessor controlled 2−13078
quartz tungsten infrared lamp for domestic heating appliances *(Japanese)* 2−8101
school buildings energy conservation program for reduction of power consumption *(Portuguese)* 2−23770
space, advantages over gas and oil systems 2−28245
space, commercial sector, sales 2−23766
thermal storage space heating by off-peak electricity, field test and assessment 2−23774
water heating in the home, advantages *(French)* 2−28229
Au semitransparent film as surface heater and resistance thermometer, nucleate boiling appls. 2−3141

electric heating elements *see heating elements*

electric hotplates *see hotplates*

electric ignition
automobile electronic ignition device 2−4437
automobile electronics, using hybrid circuits *(German)* 2−28193
automobile electronics growth and foreseeable developments *(Swedish)* 2−28198
automobile ignition booster device *(French)* 2−18732
automobile inductive discharge ignition, using 555 IC timer 2−4443
automobile inductive discharge ignition system, using transistor switching 2−8061
automobile opto-electronic ignition system 2−8056
automobile spark timing control circuits testing, field and bench test instruments 2−13049
Cadillac electronic ignition control microprocessor malfunctions 2−8052
distributor EMI, short-gap atmospheric discharge using rotor and post electrodes 2−28200
engine microprocessor control 2−18730
fully electronic ignition for four stroke four cylinder internal combustion engines *(German)* 2−4444
microprocessor based ignition and fuel injection system *(German)* 2−28197
motor-car train drives impulse and stages by opto-electronic couplers to ignite power thyristors *(German)* 2−23687
'Motronic' microprocessor controlled fuel injection, ignition timing system *(French)* 2−13046
MOTRONIC digital electronic system for integrated control of injection and ignition in Otto carburettor engines *(German)* 2−28194

electric ignition continued
plug gap breakdown, ignition EM noise calc. 2−28201
pulsated high tension pick up for internal combustion engines 2−28207
RCA's CMOS ignition controller, Rombic 2−8054
three discharge modes, conversion efficiency determined by calorimetry *(German)* 2−18729

electric immittance
see also electric admittance; electric impedance
active immittance regulators with nonlinear tuning law, topological synthesis 2−14214
stable immittance function synthesis, using RLC networks with negative resistor 2−8948

electric immittance measurement
see also electric admittance measurement; electric impedance measurement
AC circuit parameter measurement, microcomputers appl. 2−17062

electric impedance
see also electric reactance; electric resistance
active RC single-op. amp. design of driving-point impedances, comment and reply 2−824
antennas, conducting half-sheet, dyadic Green's function, appl. to calc. of input impedances of monopole and notch antennas 2−2186
antennas, polymer circular and rectangular in X-band 2−21225
bus impedance computation, by matrix inversion for large number of nodes *(Croatian)* 2−12211
capacitor plates, current density distribution nonuniformity calc. *(Russian)* 2−9248
electric arc furnace cct. impedance determ. from single dip-test 2−18766
experimental study of transient ground impedances 2−12287
FET channel noise model, impedance field method, mathematical formulation 2−25268
frequency-dependent impedance, of coil embedded in solid iron slot 2−9252
hot carrier, impedance 2−9490
Josephson junction noise thermometer, impedance modelling 2−9940
lightning channel impedance calc. models for electronic systems 2−26007
MIC, covered microstrip, CAD, impedance and effective dielec. constant, empirical formulae 2−24716
microstrip dipole arrays, active input impedances and radiating currents, formulation of design procedure 2−2214
microstrip dipole arrays including mutual coupling, design, self/mutual impedance of elements, backscatt. relation 2−2215
power overhead lines, EHV/UHV, AC, with dropped middle phase, wave resistance calc. method 2−27537
reflector antennas, mm loading with surface impedance to give improved performance, single and dual antennas 2−2187
semiconductor filter, controlled, utilizing recombination waves 2−9609
semiconductor varicap, complex impedance *(Russian)* 2−14891
skew dipoles, mutual impedance calc. using induced EMF and numerical integration method *(Japanese)* 2−15779
solids, automatic spectroscopy in LF range 2−3245
SQUID, single-contact, in hysteresis operation, input impedance 2−25454
starting parameters for large squirrel cage motors, calc. method based on variable impedance model *(Croatian)* 2−27909
superconducting thin-film microbridge, small-signal microwave impedance meas. 2−1616
transconductance amplifier realisation from conversion of conventional voltage amplifier, high output impedance 2−740
voltage source invertor-fed machines, influence of volts/hertz control on filter impedance effects 2−18255
CdSe photoelectrochemical solar cells with polycrystalline photoanodes, role of disorder 2−4362
GaAs:Cr S-type diodes, impedance under double injection conditions, switching mechanism 2−20127
Pb-H_2SO_4 secondary cells AC impedance of PbO_2 formed on Pb-alloys 2−23409
Si, p-n junction, current fluctuations, during secondary breakdown 2−20129
Zn-MnO_2 primary cell impedance data anal. 2−23404

electric impedance measurement
see also electric reactance measurement; electric resistance measurement
bacterial culture, growing, impedance meas. of soln., 2- and 4-electrode methods *(Japanese)* 2−27177
bacterial testing system, microcomputerised, simultaneous meas. of elec. impedance and turbidity *(Japanese)* 2−27116
biological impedance measurement, automated microcomputer system appl. 2−7180
bridge for 'in-circuit' meas. 2−11538
coatings, thin current conducting method of monitoring 2−7185
coplanar waveguides with finite conductor thickness, computation and meas. of characts. impedance 2−9207
digital system, transients and noise detection method 2−22090
electrochemical, method 2−22349
films, thin current conducting method of monitoring 2−7185
FM/TV broadcast antenna system, computer-controlled network analyzer for impedance meas. 2−22206
high impedance faults in distribution systems, detector 2−27591
HP model 4192A LF impedance analyser with gain-phase meter 2−16792
impedance measurements during the cycling of a zinc electrode 2−18426
Leclanche cell, Z-transform method *(French)* 2−18427
non-intrusive probes for liquid thin film thickness meas., nuclear reactors appl. 2−22396
parameter identification from impedance measurements on electrochemical reactions 2−22350
passive components automatic production testing requirements 2−4643
piezomagnetic materials, internal damping and mag. permeability disaccommodation, automated recording method 2−22093
plamsa reactors, diagnosis using electrical impedance meas. 2−11584
plethysmography, overview of theory and appls. 2−11943
plethysmography system, multiple electrode impedance, for monitoring grazing dynamics 2−27113
power transformers harmonic impedance meas. method 2−23334
self-balancing AC bridge, connection to mini- or microcomputer for impedance measurement *(German)* 2−3216
thoracic impedance measurement using differential impedance plethysmography 2−27182
underground mining low-voltage mains systems, short-circuit current determination *(German)* 2−18838
vector analyzer measures phase, impedance and group delay from 10 Hz to 50 MHz 2−16807
vector impedance meter of high accuracy for frequency range 40 Hz to 10 kHz *(Italian)* 2−11505
Zn-HgO alkaline cell, method 2−18434

electric load *see load (electric)*

electric locomotives
see also motorcoaches
50 kV locomotives for a mineral railway 2−4423
1500 V DC two-unit electric trains for New Zealand Railways from Hungary 2−12989
AC traction, disturbance checks by electricity boards 2−13031
APT-P traction power electronic control, design and operation 2−13026
commuter service train, chopper control equipment, flon-evaporative cooling 2−4428
contactor efficiency in series ChS electric locomotives *(Russian)* 2−28048
controlling the overvoltage of smoothing filters of thyristor convertors in mine electric locomotives *(Russian)* 2−28021
DC, static logic control using microprocessors 2−13021
diagnostics for thyristor equipment in electric locomotives *(Russian)* 2−28011
German Federal Railway's electric tractive units service and running order anal. for optimised operationability *(German)* 2−23958
HV AC electrified railway system, harmonic performance 2−13033
induction motor propulsion system with invertor for rolling stock *(Japanese)* 2−4420
invertors, optimal control of commutation pulses, nonlinear optimisation technique 2−18352
Italian State Railways electric tractive units and general overview *(German)* 2−28165
Japanese railways, power electronics traction systems, interference problems 2−13034
new service instructions for DC electric locomotives *(Russian)* 2−28167
rail vehicles, electrical equipment technical developments 2−18667
railway, cable telecommunication circuits, noise induced by electronically regulated electronic locomotive *(Italian)* 2−6729
resistor braking, thyristor pulse convertor *(Russian)* 2−18678
ring sparking on the commutators of traction motors *(Russian)* 2−27936
Series Ge $4/4^{III}$ locomotives of Furka-Oberalp Railway *(German)* 2−18689
single-phase industrial mains frequency, heating and future trends *(Portuguese)* 2−12988
static frequency convertors for the auxiliary power supply on electric locomotives and multiple-unit trains 2−27995
thyristor driven DC motor K580 microprocessor-based current control *(Russian)* 2−4404
wayside energy storage for recuperation of potential energy from freight trains 2−12957

electric machine analysis computing
3-phase, digital model for magnetic circuit design and optimisation calcs. *(Rumanian)* 2−27914
300 MW turboalternator, short cct. tests on dynamic torsional response 2−4025
aircraft induction motors with unstable supply freq., operating feature and static/dynamic characts. 2−27927
algorithm for the analysis of the dynamics of rotating electrical machines with ring and bar commutator windings 2−4232
alternator-rectifier excitation system models and verification tests 2−18344
asynchronous machine, reduced-order models *(Italian)* 2−23289
asynchronous machine electro-mechanical transient calcs., using models *(German)* 2−18243
autopiloted current source invertor fed, synchronous motor performance anal. 2−18195
chopper driven DC motor back EMF calc. model 2−4224
chopper-controlled DC series motor, piecewise-linear technique model 2−18266
commutatorless electric motor performance anal. 2−4017
complex nonlinear circuits periodic processes anal. using differential harmonic method 2−27890
computation of a DC brushless motor with rare-earth cobalt magnets and controlled power electronics 2−4221
computer modelling of chopper controlled DC machines 2−4220
computer simulation of DC machines 2−4233
computing electrical machine transient processes in automatic design 2−12599
current fed asynchronous machines, hybrid simulation 2−4129
current source invertor fed induction motor numerical speed control 2−4181
cycloconvertor driven, induction motor performance anal. 2−4171
cycloconvertor driven, induction motor performance anal. 2−4172
DC motor surge load and armature reaction relationship *(Russian)* 2−23309
digital simulation of synchronous generator feeding dynamic DC load 2−18203
discontinuous mathematical model of squirrel case asynchronous motors 2−7862
DLIM, FEM model 2−4145
doubly thyristor fed, synchronous motor linear model 2−18181
dual-excited synchronous generator stability model 2−4085
DWR synchronous generator, transients calc. model 2−4084
eigenvalue sensitivity analysis in relation to dynamic performance of large generators with excitation system 2−4099
electric machine winding temp. rise calc. algorithm 2−4043
electric machines eddy current successive overrelaxation calcs. algorithm 2−4968
electromechanical convertor testing using programmable load *(French)* 2−23370
electronic micro machine simulation 2−4072
electronic simulation of a hydrogenerator with static excitation 2−7825
electronic-motor convertor aggregates operation computer simulation *(French)* 2−27901
equivalent circuit model performance with PWM invertor waveforms 2−18246
finite element mesh generation using a small computer with interactive raster graphics 2−4105
finite element solution of eddy currents in asynchronous generator rotors 2−4103
finite-element solution of transient electromagnetic field problems in electrical machinery 2−4104

electric machine analysis computing continued
Fourier analysis of linear induction pumps/ with concentric windings/ and infinite arrays/ 2−4157
generalised equivalent circuits 2−4041
high-speed electrical machines, problem of optimisation of flexible mounts compliance *(Russian)* 2−12609
homopolar linear synchronous permanent magnet motor magnetic field calc. model 2−12615
homopolar linear synchronous permanent magnet motor magnetic field calc. model 2−12616
idealised induction machine, mathematical model *(Croatian)* 2−12640
induction motor harmonics differentiation model 2−4204
induction motor PWM waveform performance anal. 2−4165
induction motor rotor slot influence and starting phenomenon model 2−7858
induction motor stability nonlinear differential equation model 2−7851
induction motors starting transients digital simulation 2−4198
influence of axial stray-fields on the performance of superconducting machines with high pol-e numbers 2−7832
interleaved disc reluctance motor torque parametric study 2−4067
invertor driven induction motor, performance anal. 2−4167
invertor driven induction motor, PWM performance anal. 2−4166
invertor driven induction motor, PWM performance anal. 2−4168
invertor driven induction motor, PWM performance anal. 2−4170
invertor driven induction motor stability anal. and modelling 2−4175
invertor driven squirrel-cage induction motor, PWM performance anal. 2−4173
invertor fed synchronous motor, performance anal. 2−18205
invertor fed synchronous motor excitation control and performance anal. 2−18204
irregular air gap cross armature reaction demagnetising effect 2−4234
kinetic energy accumulator electric machines starting characts. determ. 2−27943
linear induction motor air gap magnetic field model 2−4152
linear induction motor electromechanical stiffness and damping model 2−4162
linear induction motor field and force distribution double Fourier series model 2−4150
linear induction motor finite iron and secondary width effects partial differential equation model 2−4149
linear induction motor magnetic field calc. partial differential equation model 2−4153
linear induction motor partial differential equations model 2−4148
linear induction motor short stator end effects partial differential equations model 2−4151
linear induction motor short-primary unbalanced terminal voltage and currents model 2−4160
linear induction motor unbalanced 3-phase voltage magnetic field calc. Fourier transform model 2−4155
linear induction motor with U-shape secondary, magnetic fields calc. finite difference model 2−12649
linear inductor motor surface impedance difference equations model 2−4146
linear squirrel cage motor, single side, magnetic field calc. partial differential equation model 2−4161
linear synchronous homopolar motor magnetic flux calc. model 2−12618
linear synchronous motor magnetic field calc. finite difference model 2−12619
linearinduction motor with solid iron back yoke and variable freq. drive, magnetic field calc. model 2−4154
magnetic circuits, anisotropic and nonlinear, finite element analysis 2−21061
magnetic field and transients calc., conf. at Athens, Greece (1980) 2−23240
magnetoelectric step motor, simulation using ODRA 1304 computer *(Polish)* 2−7883
mathematical modelling of AC-type hybrid step motor 2−4253
no-load voltage of a homopolar inductor alternator 2−4236
nonsinusoidal current source invertor fed, synchronous motor, performance anal. 2−18208
open winding microprocessor-based invertor fed, synchronous motor, performance anal. 2−18209
performance calculations for a linear induction machine with solid saturable secondary 2−4163
permanent magnet motors, high-field, performance characts. comparison for different magnet materials 2−18211
permanent rare-earth magnet air turbogenerator, design and performance prediction 2−18175
phase-locked loop control schemes of linear and nonlinear DC motors 2−4223
propulsion/levitation linear synchronous motor magnetic field calc. model 2−12617
pulse current invertor fed induction motor, transient differential equation model 2−4184
reluctance motor with identical double slotting, static mean torque calc. 2−4065
rotational motion of the short-stator in the single-sided linear induction motor/ 2−4158
scalar potential method for the calculation of the magnetic field in the automotive alternator 2−4106
segment stator linear motor edge effect field harmonic theory model 2−4241
segmented-rotor reluctance motor, synchronisation without pole-slipping, use as positional stepping motor 2−12628
selection of permanent magnet material in axial-field electric vehicle traction motors 2−13015
short-circuited stalled induction motors with frequency control, transient phenomena, computerised study *(Croatian)* 2−12647
short-primary linear induction motor field calc. transfer matrix model 2−4147
simulation of AC machines by SPICE program 2−4108
small and special electrical machines, conf. London, England 22-24 Sept. 1981 2−12581
solid rotor electric machines eddy currents calc. algorithm 2−533
squirrel-cage motor starting current calc. differential equations model 2−7853
superconducting, magnetic field calc. 2−7833
superconducting AC generator digital simulation 2−7834
superconducting AC generator transient currents calc. 2−4075
superconducting alternator equivalent circuit model 2−4077
superconducting alternator magnetic fields calc. 2−4076
electric machine analysis computing continued
superconducting generator magnetic fields calc. 2−4074
superconducting generator transient behaviour 2−4079
synchronous generator transient characts. model 2−4088
synchronous machine, salient pole, electromotive force in additional stator winding, calc. 2−18190
synchronous machine, salient-pole, EM fields, digital computer model 2−18191
synchronous machine conducting plate, EM field, partial differential equation model 2−19364
synchronous machine with damper winding, two-phase short-circuit model 2−19363
synchronous machines, digital computer simulation 2−12604
synchronous machines performance in HVDC networks as affected by saliency and controlled and uncontrolled commutation 2−18199
thyristor controlled DC motor speed control 2−4222
thyristor driven separately excited DC motor SUPER SCEPTRE program 2−4230
transient performance of the induction machine with deep bar rotor 2−7852
transient thermal analysis of turbo-generator rotor by finite element method 2−4042
transistor chopper driven, DC motor performance anal. 2−4229
turbine-generator loss-of-life analysis after faulty synchronisation 2−23282
turbine-generator rotor unbalanced faults computing, heating effects prediction 2−7808
turbine-generator units, optimization of initial values of mechanical variables of turbine-generator units in an electromagnetic transients program 2−23260
turbogenerator slot leakage inductances numerical calc. model 2−4093
turbogenerator transients high and low cycle fatigue 2−4089
variable-reluctance stepping motor nonlinear programming design 2−23323
electric machine CAD
asynchronous electric motor with thyristor control modelling *(Russian)* 2−4119
asynchronous machines, computer-aided optimisation system *(Bulgarian)* 2−27913
automated design-projection systems development 2−27851
computing electrical machine transient processes in automatic design 2−12599
design, nonlinear programming 2−27885
induction motor, automatic design system documents organisation 2−4139
induction motor, distributed stator windings, low power, single phase, design by computer 2−4140
power transformers, 10 to 35 kV, design, using computers 2−27958
synchronous motor, self-starting, finite element anal. 2−23273
electric machine computer aided design *see electric machine CAD*
electric machine testing *see machine testing*
electric machine theory *see machine theory*
electric machines
see also a.c. machines; d.c. machines; electric generators; electric motors; machine bearings; machine insulation; machine testing; machine theory; machine windings; rotors; small electric machines; stators; superconducting machines
AC machine analysis with unbalanced terminal constraints by d-q harmonic balance 2−12591
capacitance and resistance calc. using variational techniques 2−4040
carbon brushes, materials used and electrical and mechanical props. required *(Czech)* 2−27866
Chinese and German specifications and standards comparison on electrical equipment for hazardous atmospheres *(German)* 2−18143
common aspects *(Dutch)* 2−12579
control systems, reference information 2−7806
cooling by heat dissipation through heat pipes *(German)* 2−27848
core end slot stray field heating calc. 2−4048
current density distribution analysis of bar in slot 2−18142
defects detection, diagnostics system 2−4010
design, impact of electronics and microelectronics *(German)* 2−18145
design using numerical methods *(Croatian)* 2−27879
designers' viewpoint on class F and H electrical machines 2−27868
diesel-electric locomotives, main generator flashover anal. 2−4432
discrete electro-mechanical systems in anholomonic coordinates, Lagrange formula *(German)* 2−4015
eddy current successive overrelaxation calc. algorithm 2−4968
electrical plant condition monitoring 2−23955
EM screens for solenoids, machines and transformers, design problems *(Russian)* 2−2169
EM vibration anal. 2−18174
excitation and de-excitation time constants determining procedure 2−27855
explosion-proof gear, maintenance and repair 2−4613
external magnetic field of an electrical machine, determ. 2−12598
high temp. epoxy insulation systems, rotating electrical machinery appls. 2−7800
HV frame insulation requirements 2−27881
HV winding insulation systems, technological innovations influence on design 2−4006
index cards for electrical machine construction works *(German)* 2−27849
industrial automatic systems and consumer goods, operating and dimensioning problems *(German)* 2−18146
Industry Applications Society meeting, conf., Philadelphia, PA, USA (Oct. 1981) 2−13164
iron-case magnetic circuit saturation calc. 2−4039
load measurement using microprocessor based measuring system and field adjusters *(Hungarian)* 2−22338
low power, production technology 2−4009
machine maintenance for industrial buyers, factors influencing buying decisions *(French)* 2−18950
merge test methods, for turn insulation of electrical rotating equipment 2−23255
method of analysis of the safty of machine control circuits in wired or programmable logic *(French)* 2−27853
overloading thermal instability calc. 2−4049
rotor torque distribution calc. 2−13187
sinusoidal windings for electric machine armature with rotational symmetry, determ. of number of turns on coil *(Rumanian)* 2−18165
small, research, design and testing in Institute of Electrotechnics *(Polish)* 2−27952

electric machines continued
small-scale, overall planning problems 2−23150
solid rotors, eddy currents calc. algorithm 2−533
sound power level nearfield meas. method 2−11676
speed control, optoelectronic devices and optical fibres appl. 2−4038
stator tooth geometry influence on development of noise-generating magnetic force waves 2−4032
stereographic display on three dimensional magnetic fields of electromagnetic machines 2−12577
synthetic insulation systems for HV rotating machines 2−7803
telemetry, rotating machinery checking appls. 2−7045
temperature meter for electric machines, Soviet GOST Standard check *(Russian)* 2−27854
thermal resistances calc. 2−4044
torque meas. method 2−3282
TS type electric switch machine with electromagnetic clutch 2−12600
winding temp. rise calc. algorithm 2−4043
C brushes, current carrying capacity 2−7801
C brushes frictional and operational charact. 2−27850

electric motors
see also a.c. motors; d.c. motors; fractional-horsepower motors; linear motors; permanent magnet motors; printed circuit motors; stepping motors; torque motors
3-phase current technique state-of-the-art survey in Germany and world-wide *(German)* 2−23677
AC and DC, invertor fed, performance anal. 2−18149
AC/DC, using electronic speed controllers for variable speed drives *(French)* 2−23659
acoustic noise meas. and control *(Russian)* 2−26996
air compressor types, application and energy economics *(French)* 2−23257
applications of small motors 2−18278
auditing the QA systems of motor repairers 2−23957
coefficients of the magnetic field in the air gap of an electric motor with bilateral denting *(Russian)* 2−7798
computation of the magnetic field in the air gap of the electric motor with bilateral denting *(Russian)* 2−7797
contactor efficiency in series ChS electric locomotives *(Russian)* 2−28048
control voltage and transformer for motor control centres 2−28072
controls and protection, reference information 2−7805
cooling, heat pipe shaft development *(Japanese)* 2−18166
core making techniques for enhanced motor efficiency 2−18147
drive position and speed microcomputer-based system 2−23241
efficiency, NEMA Standard, USA 2−7809
efficiency from OEM perspective 2−27856
electronic motor aptitude for high regulation range DC drives, torque pulsations *(German)* 2−28144
engineering thermoplastics in the design of small motors 2−18279
experience in introduction of a coordination system for application of electric motors 2−4014
hermetic, windings, self-bonding and polyamideimide-ester magnet wire, props. 2−18151
hermetic motor magnetic wires, charact. 2−27861
HV motors, insulation assessment CSIR research programme 2−18144
inorganic electrical insulation, for transformers, motors and other appl. 2−27873
insulation, trends and appl. in British industry 2−23237
large motor performance testing facility 2−16836
LV electric motors, Class F and Class H insulation, designer's viewpoint 2−7802
machine tools, energy efficient motor use 2−27857
magnetic levitation eddy currents calc. 2−4018
metallised polypropylene capacitors, charact. and appls. 2−5379
microelectronics for improved motor protection 2−7578
moulded case circuit breakers, electric motor control appls. 2−7957
overview of applications and various ranges 2−27910
pit-head winding motors control systems, principles of speed control *(German)* 2−27883
pulse width modulators, control appls. 2−13943
rotational velocity control using phase feedback loop, advantages and practical appls. *(Polish)* 2−4016
selection and application aspects *(German)* 2−12586
selection for operation in explosive environments *(Polish)* 2−23262
selection methodology and applicational criteria 2−12582
shafts of driving machinery, eqn. of motion parameter behaviour, calc. method *(Rumanian)* 2−28138
small motor development trends 2−7877
small universal motors, transient leakage flux, investigation 2−4246
special motors for pump driving units *(French, German)* 2−27950
speed control using static frequency convertors in thermal power plants *(Rumanian)* 2−27867
speed regulator tuning parameter anal. using statistical theory *(Dutch)* 2−18158
starter fault performance test methods 2−23400
systematic planned maintenance and causes of failure 2−7804
TDA 1185 IC for proportional speed control for series wound AC/DC electric motors *(French)* 2−7960
thyristor commutatorless, performance anal. 2−4017
thyristor driven electric motor, energy charact. *(Russian)* 2−23364
thyristor-controlled, differential equation model 2−19362
unbalance currents of differential protection of high power electric motors 2−18173
universal motors, construction and appls. *(French, German)* 2−27852
winding insulation failure, steep-fronted switching voltage transients meas. 2−27875
windings, harmonic identification of general type polyphase structures-geometrical model construction *(Italian)* 2−27864
windings, harmonic identification of general type polyphase structures-geometrical model in presence of polyphase current system *(Italian)* 2−27865
windings, interturn insulation stresses, steep-fronted switching voltage transients distribution tests 2−27876

electric networks *see networks (circuits)*

electric noise measurement
adaptive communication systems, digital method 2−11609
automatic millimeter noise meas. 2−17123
automobile ignition noise meas. using DM-4 amplitude probability distribution meter 2−26956
contact discharge noise measuring system 2−25996
device noise figure and gain through noise meas., evaluation method 2−23984

electric noise measurement continued
direct G/T measurement using satellite signals 2−17088
electrochemical cell noise meas., expt. techniques, problems 2−28082
interference analyzers tangential sensitivity measurement and signal correction in the presence of high ambients 2−22383
ion-sensitive FET sensors, monolithic implementation, ion noise, meas. of short-circuit channel noise currents 2−26845
JFET, using 6000 series automatic equipment, temp. controller appls. 2−11610
JFETs, low-noise 4-terminal devices, noise meas. and model for fluctuations caused by point defects 2−25272
jitter and binary errors effects, telecommunication measurements equipment for digital communication systems *(French)* 2−16818
microprocessor-controlled noise temperature meter 2−11372
microwave oscillators, FM noise meas. system 2−7202
microwave oscillators, modulation noise meas. 2−24690
nature of 1/f noise, spectrum analyser instrumental function *(Russian)* 2−7204
phase noise meas. in frequency domain 2−22381
physical systems, conf., Gaithersburg, MD, USA (Apr. 1981) 2−23896
PMG-13 level meter, 20 Hz to 50 kHz, CCITT measurement appl. *(German)* 2−7127
power semiconductor equipment, EMC meas., import/export of EM disturbance 2−10533
psophometer bandpass filter unit for use in broadcasting studio meas. 2−24579
quantum noise effects at 100 GHz in MOM diodes and Josephson functions, meas. and theory 2−24722
RF noise from high-voltage power lines, statistics 2−15729
RF transistors, automatic meas. of noise *(French)* 2−14850
RFI, pulse-modulated, smooth, probability-amplitude distribution model 2−15734
RFI measurement techniques and specification of instrument parameters 2−10532
RFI voltage and partial discharge simultaneous meas. 2−11611
semiconductor detection unit for X-rays, with correlation charge-sensitive preamplifier 2−7280
semiconductor devices working under hot carrier conditions, noise meas. modelling 2−25178
SHF power and noise spectral power density standards comparison, using bolometric transducers 2−6983
spectral intensity, in sampled-data systems, correlation method development and appl. 2−16912
speech codecs quality determ., microprocessor-controlled S/N ratio meas. system 2−11371
supercond.-insulator-supercond. junction array mixers, conversion efficiency and noise meas. 2−20601
Tektronix spectrum analyser, white noise meas. *(French)* 2−16905
telephone voice channels, C message filter using MC 14414 switched capacitor filter 2−3106
VHF man-made radio noise, road vehicle ignition systems as noise surfaces, amplitude meas. 2−11608
GaAs X-band Gunn diodes in low-Q cavity, RF charact. 2−9608
p-Si p^+-π-p^+ planar devices, hot carrier transport noise, meas., generation-recomb. noise rel. to deep levels 2−25172

electric potential
see also contact potential; overvoltage; surface potential; voltage control; voltage measurement
circular insulated conductors, determ. of elec. potentials and capacitances *(Russian)* 2−15596
DC breakdown voltage in dielectric conduction current and DC breakdown voltage *(Korean)* 2−9768
definition of induced potentials and leakage currents around high tension lines 2−12272
distribution in poorly conditioned power systems, deter. method *(Croatian)* 2−7486
electric current interruption tests in insulating oil medium, effects of test interval times on transient voltage recovery curve 2−7938
elliptical capacitors, thin, conducting, electric pot. distrib. calc. 2−14316
interconnected earthing system in two layer earth structure, computer program for potential to earth calc. *(Croatian)* 2−27567
interruption of small currents in insulating oil medium, current chopping and initial transient recovery voltage 2−7939
linear synchronous motor, with iron poles EMF in stator *(Russian)* 2−18276
LV ring main feeding flats, voltage drop computation *(German)* 2−22898
plasma arc properties, welding condition effects 2−18812
power transformer surge voltage and test pulse meas. *(German)* 2−27971
skew dipoles, mutual impedance calc. using induced EMF and numerical integration method *(Japanese)* 2−15779
synchronous machine, salient pole, electromotive force in additional stator winding, calc. 2−18190
synchronous machine with two rotor windings, influence of excitation change, calc. *(Russian)* 2−23274
thin-layer interdigital transducers, static capacitance, charge and potential distrib. *(French)* 2−25416
touch and step pot. calc. of faulted URD cables, computer program results in handbook form 2−27493
touch and step pot. calc. of faulted URD cables, computer program 2−27494
Fe, mechanised welding with cored wire, weld formation, arc voltage effects 2−23803

electric power generation
see also direct energy conversion; ocean thermal energy conversion; power stations; wave power generation
American Power Conference, Chicago, IL, USA (April 1980) 2−13153
boiler subcritical or supercritical pressure cycle selection factors 2−18012
Brayton cycle using dissociating nitrosyl chloride 2−18044
Brayton-Rankine combined cycle 2−7738
Brighton town with public electricity supply, 100 years, England) 2−22765
Canada in the world power market 2−27333
closed cycle MHD feasibility study 2−12931
coal fired air turbine cogeneration 2−18043
coal gasification and coal-fired electric power generation performance for space heating 2−23125
coal gasification/combined cycle cogeneration power plants, anal. 2−17948
coal-fired stationary Stirling engine development 2−12435

electric power generation continued
cogeneration and district heating cost separation, allocation methods 2—23077
cogeneration and district heating systems, United States 2—3897
cogeneration boiler design for bark and waste wood combustion 2—23130
cogeneration demonstration at Riegel Textile Corporation, Greenville, South Carolina, USA 2—23838
cogeneration district heating systems, retrofitting and decentralisation 2—23076
combined cycle plant, coproduction of electric power and methanol from coal 2—23070
combined heat and power appl. in automotive industry, cost effectiveness 2—8116
combined heat and power generation in power plants for optimised energy utilisation *(Hungarian)* 2—17925
comparative risks of electricity generating fuel systems in United Kingdom 2—12323
complimentary design for geopressure geothermal methane extraction and power generation 2—7609
conference, Atlanta USA, 1981 Aug. 2—8153
Darrieus wind turbine for electrical power generation 2—7790
design of high efficiency single and dual purpose plants with gas turbines 2—28314
developing countries, energy producing technologies 2—27593
developing countries, small scale electricity production problems *(Swedish)* 2—22969
diesel power generation for mines, trends 2—27772
digital computer algorithms for the calculation of generating capacity reliability indices 2—22839
disc MHD generation characts. 2—12929
economics, implications of exergy and thermal efficiencies of energy conversion 2—12183
economics, reliability and rates, book 2—23872
effect of site wind characteristics/ on energy production/ 2—4001
efficient production of electricity and water in cogeneration systems 2—28312
electric generation assemblies maintenance using data processing *(Croatian)* 2—13235
electric utility generation expansion model for use in research and development planning under uncertainty 2—27437
electric utility generation planbook 2—3816
electricity generation, economic, social and health risks 2—27324
electricity production and transmission in a changing world, CEGB objectives, UK 2—22767
electricity supply planning from conservation viewpoint 2—12153
electrochemical utilisation of solar energy/ *(German)* 2—4325
energy, capacity and economic effects of cogeneration interfaced with an electrical utility system 2—3722
energy production and utilisation in Belgium, power losses and methods of reducing these losses *(French)* 2—23064
energy savings in industrial systems using combined steam and electrical generation, appl. to major refinery 2—18819
energy supply by the aid of photovoltaic cells *(Dutch)* 2—23197
feasibility of electricity generation from wind and solar energy *(French)* 2—12543
free piston Stirling engine development 2—12437
future role of breeder reactors in the European community *(Dutch)* 2—27643
gas turbine, Brayton cycle using dissociating nitrosyl chloride 2—18044
gas turbines thermionic combustor 2—12512
gasification/cogeneration—status and potential 2—12426
generating systems, comparative risks and risk assessment 2—27604
generating unit size selection, economies of scale and reliability 2—17679
generation expansion program to achieve optimum plant mix and minimum costs for a fixed reliability of supply 2—22788
geothermal energy use *(French)* 2—12516
heat/electricity, thermodynamic approach 2—7737
HV stabilisation, superconducting magnetic energy storage system charact. 2—12572
hybrid Stirling engine 2—12438
impact of alternative technologies of electricity prices in the Western United States 2—3839
impact of new source performance standards on advanced industrial energy technology 2—3896
industrial cogeneration, parametric study, economics 2—17947
information system characteristics *(Croatian)* 2—17788
integrated generator convertor system for HVDC transmission 2—18201
integrated software system for power system operation control and planning 2—22840
Irish national wind energy programme 2—3994
Japanese developments 2—27596
large scale hydro-thermal system generation expansion planning, optimisation-simulation technique 2—17682
linear programming model, basic submatrix coeffs. sensitivity 2—7769
magnetic refrigeration prototype tests for superconducting technological appls. 2—17744
managing power generation maintenance cost effectively by computer 2—17644
MHD channel heat and seed recovery 2—12934
MHD channel performance anal. 2—12928
MHD test facilities 2—12930
MHD/steam power generation anal. 2—12927
molten carbonate fuel cells for industrial cogeneration appls. 2—12844
multifuel stationary Stirling engine development 2—12436
nuclear power future developments 2—27611
oil fuel consumption reduction via economic generation reserve margins 2—17658
open cycle MHD, heat and seed recovery 2—12933
optimal preventive maintenance, reduced tree search 2—22820
osmo hydro power systems 2—7765
planning model, methodology and case study 2—27439
power generating system utilizing sludge digestion gas 2—12567
power in the maritimes and Atlantic Canada 2—27597
power in year 2000, some reminiscences and forecasts 2—3808
problems in the application of microcomputers to existing electricity generating and distribution systems *(German)* 2—22811
productivity and labour costs 2—12160
pulverised coal technology improvement, funding methodology 2—27603
reliability indices 2—8328
retrofit of a coal-fired open-cycle liquid-metal MHD to steam power plants 2—12932
electric power generation continued
salinity power production, concentration cell, economic potential 2—4326
short-term operation planning in electric power systems 2—7768
small scale combined heat and power generation in United Kingdom 2—7699
solar, control system development 2—12562
solar central receiver system repowering of gas- and oil-fired power plants 2—23211
solar energy, electricity and heat generation for homes and factories 2—18078
solar pond driven distillation and power production system 2—18089
stationary Stirling engine development 2—12434
steam turbines for cogeneration 2—18030
Stirling air engine performance anal. 2—12439
superconductive magnetic energy storage system charact. 2—12573
technical aspects of solar energy systems for low-calorie applications *(Dutch)* 2—23196
Tennessee Valley Authority decentralised energy system planning and development 2—22864
thermionic combustor application to combined gas and steam turbine power plants 2—12506
unified site evaluation system for wind energy conversion 2—4003
United States energy supply growth, trends 2—27346
USA economic benefits of increasing electrification 2—17659
USA new power generation, implications of Fuel Use Act (1979) 2—17660
utilization of wind/solar energy in generating electricity in Saudi Arabia 2—18134
variable structure control of electric power generation 2—27388
verification/validation of an economic process model for electric power generation in the United States 2—12133
water works waste energy, electricity generation appl. *(Norwegian)* 2—3815
wind power probability distribution model for large-scale electric power generation 2—18110
windmills for developing countries, new generation *(French)* 2—12565
wood gasification system for electricity production 2—17942

electric propulsion
see also electric drives; electric vehicles; traction
acceleration, torque-speed characteristics, evaluation method *(Russian)* 2—23685
AF rapid transit signalling system, inductive interference due to chopper propulsion control 2—18709
assessment of flywheel system benefits in selected vehicle applications 2—12960
automated guideway transit system propulsion 2—18706
battery load leveling with a flywheel, DC chopper propulsion system 2—18711
bus operation in London, hybrid flywheel systems for public service vehicles 2—18723
composite flywheel propulsion system for elec. bus 2—18710
effects of constant current/constant voltage charge parameters on lead acid traction cell performance 2—12808
electric linear propulsion for transport technology *(German)* 2—28159
induction motor propulsion system with invertor for rolling stock *(Japanese)* 2—4420
intermediate capacity transit system, propulsion and control considerations 2—18707
linear propulsion, various modes, magnetically suspended vehicles 2—8041
magnetic levitation and linear motor propulsion for advanced ground transport 2—18719
main propulsion drive for remotely piloted aircraft 2—17533
marine electromechanical drive systems, digital simulation 2—13040
microprocessor-based control sytem for a near-term electric vehicle 2—18736
molten salt electrolyte cell for propulsion and load levelling *(German)* 2—18450
Pendair low cost rapid transit system, charact. 2—18679
performance of ideal current inverter fed linear inductor motors: a theoretical study 2—27946
propulsion trains for electric vehicles, separately excited DC motor control systems 2—8039
PWM transistor invertor fed linear induction motors for rapid transit vehicle 2—13020
quiet electric drive for deep submergence submarines appls. 2—18662
rail vehicles dynamic performance improvement through control of linear motors 2—18712
rapid transit systems, propulsion system with power electronics, AC- and DC-drives 2—18708
ships, technology development, review 2—13038
ships, wave power for propulsion 2—28190
single-sided linear induction motors, comparative performance of squirrel-cage, solid-steel, and Al capped reaction rails 2—13036
Solar Electric Propulsion solar array shuttle flight expt. 2—17519
superconducting magnetic levitation railway, R&D present status in Japan 2—8047
Fe-air battery vehicle mission anal. 2—12804
Ni-Fe batteries, alternative to Pb-acid elec. vehicle propulsion, tests 2—12803

electric reactance
see also capacitance; inductance
differential leakage reactance of induction motor *(Japanese)* 2—4133
fin lines, equivalent reactance of shorting septum 2—9205
homogeneous two variable reactance functions, characterisation and synthesis 2—671
tuning circuit of high selective factor using reactance circuit 2—9185

electric reactance measurement
see also capacitance measurement; inductance measurement
transformers, short circuit parameters anal. *(Polish)* 2—18302

electric reactors *see reactors (electric)*

electric relays *see relays*

electric resistance
cylindrical and elongated conductors with variable cross section, resistance calculation *(German)* 2—14306
interconnected earthing system in two layer earth structure, computer program for resistance to earth calc. *(Croatian)* 2—27567
leakage resistance reduction in timing capacitors 2—5305
metal film capacitor reliability, rel. to equivalent series resistance *(Italian)* 2—19902

electric resistance continued
monolithic analogue IC for telephone subset appls., symmetric I-V charcts., base sheet resistance control 2−10881
Ohm's law, basic elec. theory for amateur radio 2−13191
PCBs, insulation resistance between conductive paths rel. to use of water-soluble fluxes in soldering 2−14478
PE wire and cable insulation, crosslinking using fast electrons in bilateral and multilateral irradiation, electrons optimal energy calc. *(Czech)* 2−5391
sectional electric mains insulation parameters, effect of leakage relay *(Russian)* 2−17761
squirrel cage asynchronous machines, end-ring resistance calculation 2−18219
study of the electrical resistance of a mercury contact *(Russian)* 2−18380
$BaTiO_3$ ferroelectric cold conductors, meas. appls. *(German)* 2−19894

electric resistance furnaces *see resistance furnaces*

electric resistance measurement
see also ohmmeters
analogue switch on-state resistance measurement, test circuit 2−11506
bridge instrument, self-balancing, charcts. 2−26898
bridges pseudobalance, four-arms, supplied with sinusoidal voltage 2−17044
building lightning protection, electrodes and electrical resistance measurements *(German)* 2−22950
carbon fibre composites, RF characteristics, elec. resist meas. for freq. range DC-300 MHz, scre- ening performance, appl. in aircraft EMC problems 2−6345
continuity tester, meas. of resistance as low as 0.1 Ω, 741 op. amp. cct. 2−866
crystal resonators, measurement of series resonance frequency and effective series resistance 2−5870
device using switching techniques for measuring resistance from mΩ to TΩ *(German)* 2−7181
digital resistance comparators 2−26937
dual-slope method 2−22348
earth leakage testing in high rise buildings 2−27584
electric machines, variational techniques model 2−4040
electrometer preamplifier for measurement of voltage current and resistance on high resistivity materials 2−3206
electronic components reliability prediction through small ohmic nonlinearities measurement 2−129
insulation measuring device for strain gauge technique *(German)* 2−11448
light duty contacts, contact resistance evaluation using statistical analysis 2−984
measurement of resistance of ground systems 2−17773
microcircuit wire bonds mechanical testing, results anal. using K1510 microprocessor *(German)* 2−1049
MOSFET channel length, mobility, gate-bias dependence and parasitic series resist., elec. determ. 2−14866
parasitic reactance effects, on resistor performance, measurement techniques 2−7183
pseudoactive bridge for separation for R and C in a practical capactive/conductive transducer 2−3217
R-C meter using 180° vector method, HF appls. *(Japanese)* 2−3246
RCL measurements, interrelations, parasitics of circuit components 2−3242
rectifiers dynamic resistance determ., automatic installation 2−26739
RLC measurements, instruments and methods, review *(French)* 2−3190
solar cell, nonlinearity of short-circuit current 2−4346
tester for simple loop resist. meas. of mains supply *(German)* 2−11331
thermocouple troubleshooting techniques, event logs and resistance plots 2−16925
Thermometrics thermistors evaluation for use at cryogenic temp. 2−955
water purity measurement by electric resistance and capacitance measurements for pollution control *(German)* 2−22747
Si single crystals, spreading resistance measurement *(German)* 2−1162

electric resistors *see resistors*

electric sensing devices
see also instruments; measurement
accelerometers, Si integrated microbeam PI-FET 2−22234
arc furnace electrode regulation using Rogowski coils for exact current measurement 2−23754
automatic sensor for measuring obstacles in below-cutoff waveguides 2−11603
automotive control systems, sensors and data acquisition system requirements 2−16930
barometer, using Si pressure sensor for battery operation 2−22433
battlefield sensor, artillery delivery, gun-hardened module design, electronic packaging 2−22231
biofeedback devices. selective applications in mental health care 2−27194
boundary layer transition sensors evaluation, for hypersonic wind tunnel environment 2−22629
ceramic devices, control of internal combustion engines 2−3140
change-flow transistor oscillator moisture sensor, IC implementation 2−11656
chemical sensors, solid electrolyte coatings for electrochemical devices 2−18416
colour sensors using forbidden band sensors of graded bandgap *(Japanese)* 2−11488
conductivity probe, dynamic response meas., salt-stratified tank design 2−7443
cryogenic system, automatic liq. N_2 filling system for spectroscopy expts. 2−16927
detonation stresses meas., using carbon and quartz gages in tandem arrangement 2−22434
diesel engine testing, non-contact sensors state of art and RCA development 2−26846
discharge detector, discharge magnitude in partial discharges calibration *(Chinese)* 2−22224
dynamic differential sense amplifier register for memory appls. 2−24414
eddy current detection, bullet detector appl. 2−11917
eddy current proximity probe, compressor dynamic blade motion meas. 2−22455
electrolytic ion concentration sensor, using MOSFET *(French)* 2−16968
electromechanical sensors, development trends 2−26814
electronic communications, the role of sensors *(Japanese)* 2−11445
electroreflectance meas. in vacuum UV region using digital detector systems and H discharge tube *(Japanese)* 2−17151
F-8 digital fly-by-wire aircraft analytic redundancy management flight test experience 2−7391

electric sensing devices continued
fail-safe speed sensor for London Transport automatic trains 2−12990
fast-response temp. sensor for hostile environment 2−16961
fibre optic scanners 2−11492
field-disturbance sensor auto level control 2−7100
flame detectors for burners, UV, electrode and photoresistive types, TTL interface *(French)* 2−26819
flaw detection, ferromagnetic resonance, using eddy current detector 2−11452
flow sensor, computerised, using photoelectric converting elements *(Japanese)* 2−16798
flowmeter, monolithic integrated direction-sensitive flow sensor for gas or liquid flow 2−22242
gas pressure detector, for microfiche film developer 2−3139
greenhouse climate control, humidity sensors 2−17174
Hall effect, introduction and applications *(French)* 2−5717
hot-film static-pressure probe for surveying flow fields, hypersonic wind tunnel appl. 2−22630
humidity sensor, using Al_2O_3 dielectric *(German)* 2−11428
humidity testing sensor for IC modules *(Hungarian)* 2−23995
HV fault location, partial discharge detectors, ultrasonic methods appl. 2−27583
IC capacitive press. transducer with high sensitivity 2−22237
inductive sensor for the detection of low velocities 2−22251
industrial water analysis using electrochemical on-line sensors 2−11450
integrated inertial sensors development 2−7390
integrated optical force and stress sensor 2−7078
integrated semiconductor sensors *(Japanese)* 2−11489
integrated sensing systems technology 2−26844
ion-controlled diodes for down-borehole operation, temp. depend. of gate-controlled portion 2−22241
ion-sensitive FET sensors, monolithic implementation, ion noise, meas. of short-circuit channel noise currents 2−26845
level regulator, automatic, for liq. N_2 2−26989
light/water alarm, using ICM 7555, photocell, water sensor 2−5302
liquid crystal devices appl. 2−22263
liquid level gauge, using IC proximity switch TCA 205 for diesel engines 2−28203
liquid level inspection of bottles performed by photoelectric switches 2−7083
magnetic field dependent sensor, contactless, based on Wiegand effect *(German)* 2−3110
magnetic field detector, using detector coil, 741IC 2−26818
magnetic sensor using amorphous Wiegand-type ribbons 2−20522
magnetoresistive thin film detector stripes, aspect ratio 2−16937
metal detector device, construction 2−7071
metal detectors, review *(German)* 2−3116
microelectronic ccts. and electromechanical components testing and prod., sensor developments *(German)* 2−26830
miniature silicon capacitance absolute pressure sensor, automotive appl. 2−26842
MOS gas detectors using transition metal-gate 2−22429
mosaic staring sensor, balloon-borne, appl. to Earth-atmosphere IR background meas. 2−27267
movement detector, circuit description 2−856
multi-way touch switch, using logic ICs, LEDs for switch sequence control 2−874
multiport pressure sensor system, electronically scanned, for wind tunnel meas. 2−11990
needle lift sensor for precision timing control of diesel engines 2−28205
non contact test probe 2−16799
non-contact meas. transmission in industry *(German)* 2−22400
noncontacting torque sensor 2−26838
nonlinearities correcting in frequency-time measuring convertors *(Russian)* 2−16943
open door monitoring circuit with alarm 2−16932
optoelectronic document sensor using phototransistor and LED, output amplifier 2−22245
optoelectronic sensors appl. to Si chip mask checking *(Dutch)* 2−19022
optoelectronic sensors for automation *(German)* 2−26857
photoelectric switches, selection 2−1803
photoelectric traffic flow sensor *(Japanese)* 2−3124
picture sensors for industrial appls. *(German)* 2−3149
piezoelectric impact sensor design, for tidal flow sand suspensions meas. 2−22732
piezoresistive semiconductor press. sensor, nonlinear charcts. anal. *(Japanese)* 2−16966
plasmomagnistor, semiconductor device, mag. field probe 2−7088
position detection, photoelectric switch appls. 2−7082
power plant insulation discharges, RF detection by loop probe 2−26811
power system fault current limiting device, ultrafast fault sensor appl. 2−12299
pressure electronic scanner, microprocessor-controlled, for installation in wind-tunnel models 2−11992
pressure sensor, absolute using ZrO_2 electrochemical cells 2−11427
pressure sensor burglar alarm system, using 741 ICs 2−3131
problems associated with locating fore and security sensors in hazardous areas 2−13234
Prospector metal locator, modification to eliminate spurious cct oscillation 2−7074
proximity detectors, types, industrial appls. *(Italian)* 2−22232
quasi-insensitive memory sense amplifier to dotting and wiring capacitance 2−24415
resistance pickups, Wheatstone and active bridges comparison *(German)* 2−17043
resonance high frequency level sensor for cryogenic media mass measurement *(Russian)* 2−16942
road surface shape meas. using laser sensor 2−21005
robotic finger sensors and compliant devices 2−11628
room temp. O_2 sensor fabrication using LaF_3 solid electrolyte *(Japanese)* 2−16967
satellite charging effects monitoring due to substorm environment 2−22655
self-heated element solid-state flowmeter, with temp. effect compensation 2−26841
semiconductor device characteristics *(Japanese)* 2−16980
semiconductor gas sensors for leak detection *(German)* 2−22227
semiconductor magnetic sensors, development *(Japanese)* 2−11446
smoke detector chip, temperature sensor/alarm appl. 2−22228
smoke detector IC, using long delay timing cct., LED indicator *(Italian)* 2−19815

electric sensing devices continued
soil surface props. sensing using vibrator probe with piezoceramic transducer 2−12067
solid-state dew-point sensors 2−11673
solid-state pressure sensor, SENSIM simulation program 2−22235
spark ignition engines, knock control 2−28206
tactile sensing, 1981 state-of-art survey and future outlook 2−11433
temperature and humidity thick film sensors, Du Pont compositions appl. 2−24833
temperature probes for low pressure condensable vapour meas. 2−22426
thermistor multi-functional temp. sensors, appls. and future developments 2−7081
thermoanemometer sensor for low flow speed meas., using Si crystal whisker 2−16949
thermometer, distant-reading, for home construction, cct. diagram and calibration 2−3610
thermometer probes, dynamic characteristic correction *(Polish)* 2−11451
thick film pressure sensors for automotive applications 2−26840
transducers types, for temp., humidity, level and pressure meas. *(Dutch)* 2−11432
transformer DC pick-up, optimum supply voltage selection 2−3119
underwater metal detector, microprocessor controlled, for use on unmanned submersible 2−22262
Valvo capacitive humidity sensor, for domestic use 2−22230
vehicle diagnostic systems development, for heavy duty truck 2−18666
velocity transducer 2−22246
vibration measurement, electronic arrangement for meas. of internal friction of free damping vibrs. *(Polish)* 2−16971
$Ba_{0.5}Sr_{0.5}TiO_3$ multifunctional ceramic temp.-humidity sensors 2−22240
CaF_2 solid electrolyte, galvanic cell investigs., 500-900°C 2−11458
Fe rich amorphous alloys, stress-mag. effects and shock-stress sensors with no power 2−20523
Ge diode, low temp. thermometric characteristics, 20 to 300K 2−5722
H_2 detector using Pd MOS Schottky diode 2−11443
$MgCr_2O_4$-TiO_2 multifunctional ceramic humidity-gas sensor 2−22240
O nonisothermal probe for continuous O meas. in steel 2−11468
O probe application for controlling O content in molten Cu 2−11461
O probe for Cu casting 2−11460
O probe for Cu electrolytic tough pitch wire production 2−11459
O probe for electrochem. meas. of free O content in liq. steel 2−11464
O probe for O partial press., direct meas. in testing blast furnace 2−11462
O_2 concentration cell, trial utilization in open-coil decarburization furnace 2−11467
O_2 electrochemical probe, evaluation for use in steelmaking 2−16965
O_2 immersion sensor for dissolved O_2 electrochem. determ. in metallic melts 2−11466
O_2 partial press. control and meas. using stabilized ZrO_2 cell 2−11470
O_2 sensor, development and use for steelmaking in China 2−11463
O_2 sensor, oscillatory mode 2−22430
O_2 sensor for deoxidation control of ferritic stainless steel melt 2−11471
O_2 sensor for steelmaking 2−11465
O_2 sensor using F^- treated ZrO_2, low temp. performance 2−11469
SF_6 insulated equipment fault sensors 2−18396
Si capacitive pressure transducer with low temp. sensitivity, batch fabricated 2−22236
Si diode, low temp. thermometric characteristics, 20 to 300K 2−5722
Si junctionless sensor for high temp. appl., SOS technology feasibility 2−22266
SnO_x ultrafine particle films, elec. props., gas sensing props. 2−9445
ZrO_2 galvanic cell O_2 sensor, non-ideal EMF behaviour 2−11456
ZrO_2, Y_2O_3 stabilized, complex impedance anal. for development of O_2 sensor 2−11457

electric shocks
see also electrical faults; protection; safety
AC installations at 1 kV and above, maximum permissible contact voltages *(Russian)* 2−49
biomedical equipment international standards and safety status, trends and evaluation 2−27110
damage risk for people by currents and voltages, calc. procedure *(German)* 2−8225
electric accidents and first aid *(German)* 2−18946
electrical hazards−psychology and behaviour *(Italian)* 2−23960
electrical hazards and monitoring during biomedical diagnosis 2−27109
feeling and retaining thresholds for DC, AC and pulsating currents *(German)* 2−8222
hospitals, the risk of elec. shocks, review 2−3523
indirect contact protection, principle of treble safety *(German)* 2−8228
leakage current safety circuits triggering sensitivity and triggering time, historical review *(German)* 2−18944
nature of physiological effects of electric current 2−27108
new wiring regulations for protection against indirect contact electric shock, UK 2−45
new wiring regulations for protection against indirect contact, United Kingdom 2−52
personal damage risks, caused by currents and voltages, protection failure *(German)* 2−13245
power systems with earthed neutrals in electric plants, personnel protection against indirect contact *(Portuguese)* 2−12305
protection against electric shocks through indirect contacts on networks using TN system *(Portuguese)* 2−50
protection against electric shocks through indirect contacts in TN systems, voltage drop limitation method *(Portuguese)* 2−8224
protection on unearthed networks using current operated earth leakage circuit breakers *(Hungarian)* 2−58
protection under second fault conditions against indirect contacts in electric plants using IT system *(Portuguese)* 2−23961
protective measure, voltage/current limiting values and failure state probabilities *(German)* 2−18952
risk of electrical danger in medicine, conf. RELMED 1981 2−27121
surgical diathermy, principles, hazards and safety counter measures 2−27196
touch and step pot. calc. of faulted URD cables, computer program results in handbook form 2−27493
touch and step pot. calc. of faulted URD cables, computer program 2−27494
two pin plugs causing electrical shocks *(French)* 2−23966

electric spark machining *see spark machining*
electric sparks *see sparks*
electric strain gauges *see strain gauges*
electric strength
see also electric breakdown
500 kV disconnecting switch insulation, elec. strength evaluation 2−18390
air gap electric strength in the presence of oscillatory voltage impulses *(Russian)* 2−12279
capacitor, partial discharge and insulation strength determ. *(Russian)* 2−9247
dielectric breakdown detection, high voltage test system *(French)* 2−1482
dielectric strength of insulation arrangements in longitudinal slots, for electric equipment up to 10 kV *(Czech)* 2−5834
electrostatic machine insulating gases dielectric strength, problems in using small scale meas. 2−11698
gases, relative electric strengths and the molecular weights of gases, correl. for 82 gases 2−25376
hermetic motor magnetic wires, charact. 2−27861
hexafluoropropylene, dielec. strength under breakdown and prebreakdown conditions 2−15049
HV systems, protection and co-ordination of insulation against overvoltages of internal origin *(Spanish)* 2−27579
insulating oil electric breakdown, effects of additives under uniform electric field *(Chinese)* 2−20462
intercoil insulation in power transformer, electric strength determ. 2−4261
large EHV transformer specification features and problems 2−18306
polyethylene cable insulation, protection against treeing by addition of retarding agent, expt. tests 2−9791
polymeric insulation, interrelationship between treeing, electrical breakdown strength and polymer morphology 2−9792
polypropylene, impregnation, compression and temp. effects obs. 2−25389
polythene, impregnation, compression and temp. effects obs. 2−25389
porcelain plate insulators electric strength under impulse voltage with steep leading edge *(Russian)* 2−27547
power cables with XLPE insulation, improvement by incorporation of tricomponent additive *(Japanese)* 2−12247
power transformer intercoil insulation electric strength determ. *(Russian)* 2−12689
PTFE in liquid N_2 in strong electric field, durability study 2−25384
ring-grid electrodes, elec. characts. of air gaps *(Hungarian)* 2−18374
rotating electrical machine HV windings synthetic-resin insulation *(German)* 2−27912
silicone oils, influence of sample prep. and conditioning procedures 2−5856
solid materials electric breakdown, influence of probability distribution bimodality *(Slovak)* 2−20437
synchronous generator laminar insulation system phenomena preceding breakdown under action of strong electric field *(Polish)* 2−23267
synthetic insulation disruptive strength dependence on electrical pre-stress *(German)* 2−20436
transformer oil dielec. strength, influence of paper coatings on electrodes 2−7906
transformer winding edge insulation, electric strength of oil ducts *(Russian)* 2−18288
GaAs, anodic oxide film, comp. and dielec. strength, SIMS study 2−25160
InSb, anodic oxide film, comp. and dielec. strength, SIMS study 2−25160
PbO-SiO_2-Al_2O_3 fritted glass, dielec. breakdown and device evaluation 2−15043
SF_6 insulation electric strength for EHV apparatus *(Russian)* 2−28040
electric susceptance *see electric admittance*
electric susceptibility *see optical susceptibility*
electric switchgear *see switchgear*
electric transformers *see transformers*
electric utilities *see electricity supply industry*
electric variables control
see also electric current control; frequency control; gain control; load dispatching; phase control; power control; voltage control
computerised, conf. at Dubrovnik (Yugoslavia) (1981) 2−26753
electric variables measurement
see also attenuation measurement; capacitance measurement; charge measurement; dielectric measurement; electric admittance measurement; electric current measurement; electric distortion measurement; electric field measurement; electric impedance measurement; electric noise measurement; electric reactance measurement; electric resistance measurement; electrical conductivity measurement; frequency measurement; gain measurement; high-frequency transmission line measurement; inductance measurement; phase measurement; power factor measurement; power measurement; Q-factor measurement; voltage measurement
50 Hz AC power line harmonic anal. using NOWA harmonic analyser 2−27585
110 kV systems with arc suppression coils, neutral point displacement, resonance curve meas. method *(German)* 2−17702
AC arc discharge instability measurement, microprocessor based measurements 2−11360
AC circuit parameter measurement, microcomputers appl. 2−17062
AC/DC signal ratio measurement using field transistor *(Russian)* 2−17071
AM radio signals, metrological provisions in Soviet Union 2−17116
antenna radiation measurements, test range evaluation by comparing quasi plane wave regions 2−2198
automatic tester for telephone exchanges such as Pentaconta 1000C, 10 inputs *(Polish)* 2−2600
carrier concentration in n-GaAs, methodic meas. error based on far IR absorpt. 2−5550
colour bar test generator, SECAM/PAL for 2 system TV receivers *(German)* 2−6918
CRO automatic measuring systems, digital signal storage *(German)* 2−22301
decentralised automatic TV transmitter monitoring system 2−11163
discharge magnitude in partial discharges calibration *(Chinese)* 2−22224
dispersion parameters of transistors, under large signal conditions 2−17117
electric circuit fundamentals, book 2−13199
electronic and electrical meas. and test instruments, conf., Ottawa, Canada (Sept. 1981) 2−11367
harmonic distortion sources in power system networks, measuring methods 2−12143

electric variables measurement continued
horn antenna effective area meas., errors evaluation 2−17118
human electrostatic discharge waveforms measurement 2−27111
industrial multiphase networks by microcomputer based system *(Italian)* 2−11342
insulating materials electrical-thermal stress, method 2−22339
load measurement using microprocessor based measuring system and field adjusters *(Hungarian)* 2−22338
measuring transducers, for electric variables measurement *(Slovenian)* 2−11437
microprocessor-based instruments *(Italian)* 2−26708
nonlinearity factor of linearly varying signals, by meas. instantaneous values 2−17119
operational amplifier characteristics, standardisation 2−17061
passive circuits, parameter measurement using two-channel processors *(Russian)* 2−26924
PMG-13 level meter *(German)* 2−7127
polymer, comparative tracking index deviation 2−19478
radiating source emission and susceptibility levels determ., using TEM cell 2−3269
reflection factor, of four-pole coupler 2−17121
RF pulses temporal parameters, logic detection method 2−17120
semiconductors, impact ionisation coeffs. determ. 2−9494
signal-to-noise ratio meas. for rectangular-wave modulation 2−6392
signals zero-load meas., electronic circuits in automation technology *(German)* 2−17122
squirrel-cage motors measurement principles and star and triangle connection formulae *(German)* 2−23290
steam power station electrical values measurement, applications in process monitoring and construction and installation *(Croatian)* 2−27705
submerged arc furnaces 2−11562
swept-CW technique for measuring lightning induced transients in aircraft wiring 2−27248
transmission line elements parameters, using pulsed reflectometric method, errors evaluation 2−17115
transmitters, time, frequency, amplitude domain strains and meas. techniques *(Japanese)* 2−22340
TV ghost signal measurement, analysis *(Japanese)* 2−11213
volume level stereo balance meas. in tape recorders *(German)* 2−11288

electric vehicles
see also electric drives; electric locomotives; electric propulsion; motorcoaches
AC motor drives for electric vehicles 2−18665
acceleration *(Russian)* 2−23685
advanced lead acid battery vehicle 2−28191
Australian research projects 2−4402
battery charger, polyphase chopper cct. reducing ripple and EMI 2−7930
battery load leveling with a flywheel, DC chopper propulsion system 2−18711
battery powered milk floats, cost effective operation 2−4407
battery requirements of electric vehicles 2−28096
bus operation in London, hybrid flywheel systems for public service vehicles 2−18723
bus operation in London, planning for rising full costs, review 2−18722
colloquium, review of traction batteries for road vehicles, IEE, London, England (1982) 2−23901
commercial electric vehicles in service, United Kingdom 2−28192
composite flywheel propulsion system for elec. bus 2−18710
computer modelling of chopper controlled DC machines 2−4220
continuously variable transmissions for flywheel-equipped vehicles, design studies 2−23672
DC machines, commutatorless, design, construction and performance for supplying battery on electric vehicles 2−18272
development projects in Australia 2−18733
development trends in United Kingdom 2−8038
discharge process of a lead-acid battery in an electric vehicle 2−4330
drum car for contact line maintenance on new lines and lines to be reconstructed *(German)* 2−18959
effects of constant current/constant voltage charge parameters on lead acid traction cell performance 2−12808
efficient use of mechanized trolleys and batteries *(German)* 2−28156
electric vehicle appls. 2−18455
electric vehicles operating performance technical relationships, running dynamics and programmed braking *(German)* 2−28184
electrochemical power sources 2−4431
energy-using durables, choice and utilisation, EPRI-sponsored study, November 1979 2−27418
fleets of trolleybuses, economic and operation 2−18717
flywheel and accumulator storage system 2−12961
flywheel power system developments for electric vehicle applications 2−18724
heavy duty connectors for battery electric vehicles 2−4408
hybrid, dual mode and tracked systems, conf., London, England (1981) 2−13165
hybrid, hydrostatic braking and flywheel systems 2−18721
hybrid, traffic compatible, development with vans and buses 2−18713
hybrid (electric/internal combustion engine) passenger car development 2−18715
hybrid electric vehicles development 2−18726
hybrid vehicle economic and energy consideration 2−18714
improvement of power performance of multirange rectifiers with artificial commutation *(Russian)* 2−23360
inductive roadway power systems for dual mode transit 2−18727
invertor/induction motor drive for electric car *(Polish)* 2−27925
magnetic levitation, theory, results and further practical problems 2−28178
magnetic levitation and linear motor propulsion for advanced ground transport 2−18719
magnetic levitation high speed transport systems, electromagnet control 2−28181
magnetic levitation transport rolling stock dynamics and stabilisation 2−28179
magnetic screening of high speed vehicles with electrodynamic suspension *(Russian)* 2−23683
microprocessor-based control system 2−18737
microprocessor-based control sytem for a near-term electric vehicle 2−18736
military-vehicles using H_2 fuel cells 2−18459
molten salt electrolyte cell for propulsion and load levelling *(German)* 2−18450

electric vehicles continued
motor-car trains with thyristor controls, protective device against interference of guarding safety devices *(German)* 2−23688
propulsion trains for electric vehicles, separately excited DC motor control systems 2−8039
PWM discrete stabilised power supply in elec. motor car, dynamic behaviour anal. *(Russian)* 2−4430
PWM power transistor invertor for AC elec. vehicle drive, computerised controlled 2−18351
PWM transistor invertor fed linear induction motors for rapid transit vehicle 2−13020
rail vehicles, electronics in brake control 2−13029
railcars, type 200, electrical equipment *(Japanese)* 2−4418
rapid transit systems, optimisation of chopper equipment for minimising energy consumption 2−13022
recent developments in thyristor-chopper technology 2−7920
role of the American Electric Vehicle Council in the electric vehicle industry 2−8037
rotor-position-controlled permanent magnet synchronous machines for electrical vehicles 2−23279
selection of permanent magnet material in axial-field electric vehicle traction motors 2−13015
solar-electric cars using storage batteries, feasibility in the near future 2−28153
specific functions for selecting optimum linear induction motors for high-speed vehicles *(Russian)* 2−23315
status of new electrochemical storage and conversion technologies for vehicle applications 2−12813
thermoelectric refrigeration application for electric powering *(German)* 2−23689
traction motor and controller for light rail vehicles *(Japanese)* 2−4421
trains for Rio de Janeiro in Brazil *(German)* 2−13009
trolleybus for West Yorkshire, modern future development 2−18716
trolleybus marketability in France *(French)* 2−28187
universal motors, appls. *(French, German)* 2−27852
vehicle with electromagnetic suspension, mathematical model 2−28180
Al-air batteries for electric vehicle appls. 2−18725
Fe-air battery vehicle mission anal. 2−12804
H_2 fuel cell powered electric vehicles 2−18728
Li-Al/FeS batteries, quick-charge feasibility 2−12814
Na/S batteries, state of development and prospects 2−12795
NaS battery for electric vehicles 2−28097
Ni-Fe batteries, alternative to Pb-acid elec. vehicle propulsion, tests 2−12803
Ni-iron batteries for electric vehicle appls. 2−18455
Ni-Zn batteries for electric traction, Lucas R&D activities 2−28098
Ni-Zn battery for electric vehicles 2−12789
NiO-Fe battery performance in elec. vehicle appl. 2−28099
Pb-acid batteries for electric vehicle appls. 2−18455
Pb-acid batteries for hybrid electric vehicles, charact. 2−18720

electric welding
see also arc welding; electron beam welding; resistance welding; welding electrodes
adaptive welding control using video signal processing 2−4542
aircraft spot welding computerised robot charact. *(German)* 2−4500
Apprentice robot 2−4539
austenitic stainless steel tubes TIG welding 2−4541
automatic control techniques 2−4531
centralised control by processing unit for multiple spot welding machines and transfer lines 2−4536
computerised control developments 2−4521
electron beam welding computer control 2−4525
hazard to spacecraft electronics 2−21147
HF, with induction coils, design calc. 2−28274
HF, with inductive current supply, adjustable parameters evaluation 2−28271
high frequency seam welding of tubes by induction, problems *(Croatian)* 2−4520
high speed submerged-arc welding 2−4537
installations impulse load curves correlational and spectral charact. *(Russian)* 2−28282
microprocessor control of TIG welding system 2−28288
microwaves industrial appl. 2−18761
MIG welding control system using optical sensing 2−4533
MIG welding of austenitic steels, minicomputer control 2−4522
modulated current, energy features 2−23824
online control 2−4546
process variables adaptive control 2−4544
resistance spot welding, modular robots 2−4535
robot appls. 2−4529
robot arc welding at Caterpillar Tractor Company 2−4547
robot developments and appl. 2−4534
robot use 2−4543
robotic system, self programming 2−4524
robots' work planning 2−4532
robots adaptive control 2−4548
robots vs. conventional robots 2−4527
small batch manufacture, robotic arc welding appl. 2−4528
TIG welding automation developments 2−4523
TIG welding microcomputer control 2−4545
tracking system for arc welding and thermal cutting 2−4538
truck cab automated welding using robots 2−4540
Unika-80A welding robot with visual seam tracking 2−4530

electric wiring *see wiring*

electrical conduction in condensed matter
see also carrier density; carrier lifetime; carrier mean free path; carrier mobility; carrier relaxation time; dislocation scattering; electrical conductivity of liquids; electrical conductivity of solids; electrical conductivity transitions; high field effects; hopping conduction; impurity scattering, Lorenz number; minimum metallic conductivity; minority carriers; mixed conductivity; negative resistance effects; one-dimensional conductivity; photoconductivity; point defect scattering; size effect; skin effect; small polaron conduction; space-charge-limited conduction; surface conductivity; surface scattering; thermally stimulated currents; tunnelling
semiconductors, ballistic transport limitations 2−1140

electrical conductivity
see also electrical conduction in condensed matter; electrical conductivity of gases; electron mobility; ion mobility; space-charge-limited conduction
randomly diluted network, percolation and conduction 2−681

electrical conductivity measurement
contactless resist. meas., appl. to specific resist. of Cu and Al *(German)* 2−22346
diodes, computer-assisted system using phase sensitive technique 2−22075
electrical sheet surface insulation, methods *(Polish)* 2−17093
ferroelectric crystal, dielec. susceptiblity, polarisation and cond., meas. method 2−17098
four-probe resistivity transducer, meas. characts. checking 2−26828
HF liquid, computerised system characts. 2−22351
high-resistance materials, apparatus for meas. thermoelec. power and elec. cond. 2−11569
ionic soln. and melts *(Japanese)* 2−11583
metals, conductivity measurement, eddy current method *(Chinese)* 2−11580
non ferrous conductivity standards, eddy current meas. 2−11325
noncontacting meas. of cylindrical products 2−26955
nonferrous metals, eddy current testing standards 2−8926
nonstationary plasmas, automatic recording of RF conductivity variations 2−11585
PC cleaning systems, use of resistivity meters 2−19968
polyethylene, molten state, elec. conductivity, dielec. const. and viscosity meas. in high field 2−5828
polystyrene, molten state, elec. conductivity, dielec. const. and viscosity meas. in high field 2−5828
polyvinylidene fluoride, molten state, elec. conductivity, dielec. const. and viscosity meas. in high field 2−5828
probe dynamic response meas., salt-stratified tank design 2−7443
propylene carbonate, DC conductivity, permittivity and dielec. relaxation of supercooled liquid, 5 mHz to 5 MHz 2−1480
rock studies, laboratory instrumentation 2−27262
sediment conductivity determ. using sea current electric field 2−12082
semiconductor plate resistivity temperature dependence recording automation, using Van der Pauw method 2−3243
semiconductor wafer, resist. variation meas. using photovoltaic method *(Japanese)* 2−22347
semiconductors, specific resist. meas. with capacity probe *(Russian)* 2−26934
sheet resistance meas. for monitoring ion implantation equipment, use and limitations 2−14774
solid cyclindrical parts, mag. permeab. and elec. cond. meas., ferrometer appl. 2−3255
solids, automatic spectroscopy in LF range 2−3245
specific conductivity meter type Z-938 for meas. of impregnating electrolytes *(Polish)* 2−17030
static control materials, surface resistivity monitoring, fixture design, quality control 2−17094
static material surface resistivity meas., inexpensive fixture design 2−25894
thermally stimulated conduction meas. apparatus, local centres depth determ. to 0.001 eV 2−3102
Al alloy AK4-1, heat treatment quality inspection by EM method 2−640
Al sheet, resistivity meas., appl. of Thompson-Lampard theorem 2−17092
GaAs multilayer struct., carrier conc. and mobility, rapid determ. method 2−5568
Si doping profiles meas. in thin layer structures using spreading resist. technique 2−20195
Si polycrystalline wafer, bulk resistivity determ. by meas. of microwave reflectance modulation and wafer thickness 2−22352
Si specific resistivity inhomogeneity determ., quality statistical estimation 2−25120
Te, at high temps. and pressures. 2−11637

electrical conductivity of amorphous metals and alloys
see also dislocation scattering; electronic conduction in metallic thin films; impurity scattering; point defect scattering; surface scattering
amorphous alloys, recent studies *(Japanese)* 2−15130
Si:H,B amorphous film, elec. props., optical props. 2−25015
Si:H,P films, elec. props., transition to amorphous phase, solar cell props. 2−24927

electrical conductivity of amorphous semiconductors and insulators
see also carrier density; carrier lifetime; carrier mean free path; carrier mobility; carrier relaxation time; dislocation scattering; electrical conductivity transitions; electronic conduction in insulating thin films; high field effects; hopping conduction; impurity scattering; minority carriers; negative resistance effects; photoconductivity; point defect scattering; small polaron conduction; surface scattering
amorphous semiconductors, electronic props., appl. to solar photovoltaic cells *(Dutch)* 2−5581
amorphous semiconductors aspects of basic physics researches 2−25019
chalcogenide glasses, review of studies at Ioffe Physical-Technical Institute, USSR 2−25004
chalcogenide glasses, switching, low-resistivity state, electron-thermal nature 2−5582
chalcogenide thin films, amorphous, high field short pulse behaviour, band model 2−5579
DC hopping cond., Mott $T^{-1/4}$ law from rate eqn. formalism 2−9450
hopping anomalous carrier pulse propagation, theory 2−5584
II-V compounds, amorphous and cryst., thin films, prep., struct., elec. and optical props. 2−13848
one-dimensional disordered system, excited states lifetime 2−9453
organotin films, amorphous, semiconductive and conductive, form. and props. 2−19448
polyethylene, influence of elec. field and press. on cond. 2−5864
PTFE, irradiation effects on charge storage and cond. 2−5860
semiconductor, pressure-induced effects and phase transitions 2−25026
transition metal oxides, amorphous, elec. cond. and electrochromic props., review 2−25010
Ag-Te, amorphous semicond. film, prep. by diffusion and elec. cond. 2−25008
Al-$Se_{32}Te_{32}As_4Ge_{32}$-Au structure, elec. characts. of amorphous semicond. layer 2−14736
As-Ge-Se, glasses and melts, thermal and elec. cond. 2−5583
As-Ge-Te glasses, pure and doped, elec. and dielec. props. 2−9461
As-Se, glassy, hole drift mobility, composition and struct. depend. 2−25009
As-Se-Ag, amorphous, AC cond. 2−25006
As_2S_3 glasses, elect. props. 2−9448
As_2S_3:Sb_2S_3, negative transient conductivity effects 2−24993
As_2S_3-Sb_2S_3 and As_2S_3:Sn, glassy, hole drift mobility, composition and struct. depend. 2−25009
As_2Se_3, glassy, HF dielec. props. 2−1202

electrical conductivity of amorphous semiconductors and insulators continued
$BaO-V_2O_5$:Mn(Fe)(Co)(Cr)(Cu) glass, elec. cond. and EPR spectra 2−25011
Cd_3As_2 amorphous films, structural, electrical and thermoelectric props. 2−14665
Cd_3As_2, amorphous films, elec. transport props. 2−20105
GaAs:Cr amorphous film, hopping conduction 2−20092
GaSb amorphous film, flash evaporated, electronic props. 2−24973
Ge, amorphous, elec. props. 2−9460
Ge, amorphous UHV deposited films, struct., elec. and optical props. 2−20097
Ge-Bi(Sb), amorphous, elec. props. 2−9460
Ge-Sa-As(Sb)(Bi) vitreous, influence of bond metallisation- on elec. cond. 2−5576
Ge-Se, glass, doped, elec. transport props. 2−25005
Ge-Se evaporated film, amorphous, non-dispersive and dispersive transport 2−25000
Ge-Se-Ga thin film, amorphous, trap distrib., SCLC obs. 2−14664
Ge-Se-Te system glasses, elec. cond. over wide temp. range, struct. component 2−1201
Ge-Te, glass, doped, elec. transport props. 2−25005
Ge_ySe_{1-y}:In(Cu)(Fe) glasses, photocond. and elec. cond., dopant effects 2−20716
GeTe amorphous thin films, elec. cond. mechanisms 2−5578
InAs:N_2^+ ion-implanted amorphous film prep., electrical conductivity and Hall mobility 2−5569
InSb:N_2^+ ion-implanted amorphous film prep., electrical conductivity and Hall mobility 2−5569
InSe, cryst. and amorphous, elec. and photoelectrical props. 2−25030
Mo-chalcogenide glass-Mo struct., dielec. props. study 2−1256
Mo_xGe_{1-x}, amorphous film, elec. transport and struct. 2−20106
PrO_x-P_2O_5 glasses, elec. props. rel. to oxidation and red. treatments, glass form. range 2−9451
$Se_{93.5}As_{6.5}$, amorphous film, carrier mobility, thermal annealing and light irrad. effects 2−9446
$Se_{94.3}Ge_{5.7}$, amorphous film, carrier mobility, thermal annealing and light irrad. effects 2−9446
Si, amorphous, elec. resistivity, hydrostatic press. effect 2−1161
Si, amorphous, electron bombardment induced conductivity 2−5575
Si, amorphous, plasma CVD *(Japanese)* 2−8835
Si, amorphous, plasma deposited and CVD coatings, ion implantation, elec. cond. and photoluminesc. 2−20095
Si amorphous film, prep. by CVD, elec. props. 2−595
Si amorphous films, evaporated and sputtered, annealing and hydrogenation 2−24931
Si amorphous p-i-n junction, drift type photovoltaic effect 2−25106
Si, CVD growth, struct., optical, and elec. props. 2−20099
Si, electrical cond. and thermoelec. power 2−25017
Si films, CVD, amorphous and polycryst., cond. mechanism 2−24933
a-Si films, heavily doped, glow discharge, AC conduction 2−25029
a-Si, SiH_4 gas discharge deposited layers for solar cells, effect of F 2−23532
a-Si:Ar RF sputtered films, elec. and optical props., effect of Ar 2−20102
Si:B, H CVD film, hydrogenation effect, elec. cond. and ESR meas. 2−20100
Si:F, H CVD film, hydrogenation effect, elec. cond. and ESR meas. 2−20100
Si:F amorphous film, glow discharge plasma deposition from SiF_2 gas 2−19443
a-Si:F:H, electrical, spectral and doping properties 2−25023
Si:H, amorphous, elec. resistivity, hydrostatic press. effect 2−1161
Si:H, amorphous, electron irrad. effect on dark and photocond. and defect removal 2−24930
Si:H, amorphous, modulated photocurrent meas. 2−1780
Si:H, amorphous, non-dispersive and dispersive transport 2−25000
Si:H, amorphous, plasma deposited, photocond., temp. depend. 2−1778
Si:H, amorphous, prep. from higher silanes with high growth rate 2−606
Si:H, amorphous, RF sputtered, transport props. 2−1204
Si:H, amorphous hydrogenated, reactive laser evaporation, elec. resist. meas. 2−594
Si:H, amorphous ion beam deposited coating, prep. and props. 2−20094
Si:H, amorphous plasma deposited coating, field effect cond., illumination and annealing effects 2−24994
Si:H, Li amorphous film, DC glow discharge deposited, photovoltaic effect 2−25571
Si:H, O sputtered films, amorphous, optoelectronic props., effect of O 2−25580
Si:H, transport props., CPA calc. 2−20101
Si:H,B, Li-diffused, amorphous compensated, dark and photocond. 2−24932
Si:H,N(O), amorphous glow discharge film, elec. cond. and photocond., $N_2(O_2)$ doping effect 2−20098
Si:H amorphous films, SiH_4 decomp. prep., phys. props. 2−1203
Si:H amorphous films for electrophotographic appl., photoelec. props. 2−24928
Si:H amorphous n-i-p solar cell, minority carrier transport in depletion layers 2−28117
Si:H amorphous p-n junctions, elec. transport, doping effects 2−25054
Si:H amorphous plasma deposited coating, elec. and optical props., RF power and growth temp. depend. 2−19444
Si:H amorphous Schottky barrier diode characts., mathematical model 2−25189
Si:H amorphous Schottky diode, electron transport and deep localized state kinetics 2−25188
Si:H amorphous solar cell, carrier collection, image force effects 2−4336
a-Si:H films, impurity doping, morphological study, electrical and optical properties 2−25022
Si:H(B)(P), amorphous DC sputtered coating, doping and elec. props. 2−19424
Si:N amorphous film, elec. and optical props. 2−9459
Si:O(H)(F) evaporated amorphous films, DC cond., impurities effect 2−5580
SiC based resistance material 2−13859
SiGe:H amorphous film solar cell, Tandem type 2−28116
$a\text{-}Si_{1-x}Ge_x$ films for high performance solar cells 2−23447
SnOx, amorphous spray coating, elec. and optical props. 2−20104
Ta_2O_5, amorphous, hopping cond. freq. depend., dielec. loss-angle tangent study 2−20057

electrical conductivity of amorphous semiconductors and insulators continued
V_2O_5, amorphous CVD coating, prep., elec. cond. and EPR spectra 2−20103
V_2O_5-TeO_2 semiconducting glass, elec. cond., thermopower and optical absorpt. 2−25012

electrical conductivity of crystalline metals and alloys
see also dislocation scattering; electronic conduction in metallic thin films; impurity scattering; point defect scattering; surface scattering
electrodes, conduction by tunnelling across energy bands of amorphous substrate *(French)* 2−14735
steel, low C, study of mag. ageing kinetics 2−15121
Al, electrical conductivity measurement by eddy current method *(Chinese)* 2−11580
Al sheet, resistivity meas., appl. of Thompson-Lampard theorem 2−17092
Al, specific resistivity meas. in temp. range 20-150°C, temp. depend. *(German)* 2−22346
Al-Au dilute alloy for moderate-strength, high cond. appls. 2−5932
Al-Co dilute alloy for moderate-strength, high cond. appls. 2−5932
Al-Mg-Si conductor alloys, elec. cond. and mech. props. 2−610
Al-Ni_3Sb dilute alloy for moderate-strength, high cond. appls. 2−5932
Be wire, high-strength, mech. props. and elec. cond. 2−611
Cu, specific resistivity meas. in temp. range 20-150°C, temp. depend. *(German)* 2−22346
W, electrical conductivity measurement by eddy current method *(Chinese)* 2−11580

electrical conductivity of crystalline semiconductors and insulators
see also carrier density; carrier lifetime; carrier mean free path; carrier mobility; carrier relaxation time; dislocation scattering; electronic conduction in crystalline semiconductor thin films; electronic conduction in insulating thin films; high field effects; hopping conduction; impurity scattering; minority carriers; negative resistance effects; photoconductivity; point defect scattering; small polaron conduction; surface scattering
diamond, semiconducting, polycryst. synthetic, negative N-type resist. 2−9415
ferroelectric ceramics, transparent, semicond. props., electron-hole processes, hologram forming 2−25034
hot carriers in semiconductors, conf., Montpellier, France (July '81) 2−23866
II-V compounds, physical and chemical props., and applications 2−14670
inhomogeneous semicond., elec. cond. and permittivity near - percolation threshold 2−5574
many-valley semiconductors, hot electron elec. cond., nodal point calc. 2−24915
nonlinear galvanomagnetic effects, phonon heating and drag 2−14609
nonsteady state carrier transport, appl. to submicron modelling 2−25174
$pb_{1-x}Sn_xSe$ heterostructure for injection lasers 2−25799
polyacetylene, doped, elec. cond. freq. depend., soliton model 2−25041
polyacetylene, elec. transport, mag. and struct. props., review 2−25039
polyacetylene, electron hopping cond., soliton model 2−25040
polyacetylene epitaxial layers, optical and elec. anisotropy 2−25042
polycrystalline, grain boundary scatt., charge scatt. model 2−24898
power cables, heat- and radiation-resistant, with mineral insulation for utilisation in nuclear power installations 2−27516
semiconductor plates in cross-magnetic field, Van der Pauw's relation's validity for electrical resistivity determ. *(Rumanian)* 2−20052
semiconductor wafer, resist. variation meas. using photovoltaic method *(Japanese)* 2−22347
$AgGaTe_2$, monocrystals, residual cond. *(Russian)* 2−5589
$AgNbO_3$, hot pressing prep., elec. and photoelec. props. 2−5033
$AgSbTe_2$, thermoelec. hole spectrum model of transport props. 2−14667
$AgTaO_3$, hot pressing prep., elec. and photoelec. props. 2−5033
$Al_xGa_{1-x}As$ solid solution, elec. cond. slow relax. 2−24989
β-Al_2O_3, solid electrolyte, degradation mechanism 2−18448
α-B, rhomobohedral, elec. cond., thermoelec. power and Hall coeff. 2−24926
$B_{13}C_2$, electronic struct. and semicond. behaviour 2−25035
BN passivation film, MOST, resistivity, gate charge decay time meas. 2−9660
$Bi_2Te_{2.88}Se_{0.12}$, extruded, elec. props. and struct. 2−20118
$Bi_4Ti_3O_{12}$ ceramics, grain oriented, fabrication and elec. props. 2−13855
C resistance thermometer, electron tunnelling 2−22258
C stripper foils made by DC glow discharge process, physical props. and structure 2−11744
$Cd_xHg_{1-x}Te$, resist. and Hall coeff., 4.2 to 30K 2−20082
$Cd_xHg_{1-x}Te$, VPE using organometallics elec. props. and charact. 2−584
CdS, anisotropic cond. after plastic deform. and cond. along dislocations 2−24985
CdS, single cryst., two-phase annealing, elec. resist. meas. 2−5554
CdS(Se) doped piezosemicond., sound absorpt. *(Russian)* 2−1191
CdSe single crystals, specific cond. meas. by capacityprobe *(Russian)* 2−26934
$CuInSe_2$, thin films, ion-beam sputtered, characterisation 2−5599
$CuInTe_2$ single crysts., as-grown elec. props. 2−25032
n-$FeB_{29.5}$, prep., electronic transport props., cryst. struct. 2−20113
$FeCr_{2-x}In_xS_4$, electrical props. 100 to 650K *(Russian)* 2−5587
$Fe_{1-x}Cr_xNbO_4$, prep., cryst. struct., mag. and electronic props. 2−15381
Fe_3O_4, magnetite powder, electrical conductivity meas. *(German)* 2−15140
GaAs,ion implanted, capless annealing, for microwave devices 2−1319
GaAs, Bridgman and LEC pulling growth, ion implantation, elec. charcts. 2−1393
GaAs, Czochralski grown, liq. encapsulated technique, elec. compensation, melt stoichiometry effect 2−24954
GaAs device structs. at 77K, single-carrier space-charge-controlled conduction vs. ballistic transport 2−14819
GaAs large diameter bulk crystals for microwave device technology 2−9444
GaAs, model, ballistic transport with collisions 2−1139
GaAs, semi-insulating, ohmic behaviour 2−1178
n-GaAs, transient transport phenomena 2−9443
n-GaAs unidimensional particle model of cond. at low temps., contacts influence 2−24976
GaAs:Mn, photoresistive detector, elec. and photoelec. props. 2−19899
GaAs:Se, electron beam annealing, multiply-scanned beam method 2−1170
GaAs:Se, electron beam annealing, multiply-scanned beam method 2−5546
GaAs-$Al_xGa_{1-x}As$ heterojunctions, transport props., TEGFET and tunnelling device appls. 2−25068
GaP, lanthanide doping influence on elec. and photolum. props., LED material 2−24965

electrical conductivity of crystalline semiconductors and insulators continued
GaSb, electron transport and conduction band struct. 2−24963
GaSb:Te and GaSb:Te,Zn, charge transport charcts., 80 to 700K 2−20080
p-Ge, hot holes, noise, inelastic scatt., meas. at microwave freqs. 2−24952
n-Ge, impurity elec. resist. in quantising mag. fields 2−5537
n-Ge, impurity elec. resist. anisotropy in quantising mag. fields 2−5538
GeTe, low temp. elec. resist. and Debye temp. 2−9473
GeTe, thermoelec. hole spectrum model of transport props. 2−14667
p-$Hg_{1-x}Cd_xTe$, electron irrad. and annealed, carrier lifetime and recomb. props. 2−9439
InAs(P)(Sb) inversion layer transport, insulator properties 2−1236
n-$In_{0.53}Ga_{0.47}As$, electron drift velocity meas. at 300K using microwave time-of-flight technique 2−14638
InP, growth and cryst. quality by liq. encapsulated Czoc- hralski technique 2−4983
InP, polycrystalline, low temp. growth, elec. props. meas. 2−13810
InP:Si, capless annealing, for microwave devices 2−1319
n-InSb, hot electrons, energy loss mechanisms 2−14642
InSe, cryst. and amorphous, elec. and photoelectrical props. 2−25030
KH_2PO_4, dielectric props., conduct., multilayer capacitor, electrooptic study 2−9755
Li-Ti-Zn ferrite, effect of MnO_2 and Bi_2O_3 additives on props. *(Slovak)* 2−1565
$LiFeO_2$, elec. props. and phase transform., complex admittance study 2−14661
MgO insulation in heat resistant cables, elec. cond. meas. 2−14331
Mn-Zn ferrospinels, elec. cond., comp. depend. 2−1199
MnO_2, variation of cond. with Li insertion 2−7979
MnTe, antiferromagnetic, elec. resist. and mag. susceptibility 2−20116
MnTe, thermoelec. hole spectrum model of transport props. 2−14667
$Mn_{0.5}Zn_{0.5}Fe_2O_4$, polycrystalline, permittivity, conductivity and dielectric relax. 2−5573
$(Ni_{0.5}Cd_{0.5}O)_{1-x}(Fe_2O_3)_{1+x}$, mag. and elec. props. 2−25421
$Ni_{1-x}Zn_xFe_2O_4$, mag. and elec. props. 2−25421
$Pb_2Rh_7O_{15}$ thick film resistor, cond. mech. and 1/f noise 2−958
$Pb_2Ru_2O_7$ thick film resistor, cond. mech. and 1/f noise 2−958
PbS crystals, connection between elec. and deform. characts. 2−1207
$(PbSe)_{1-x}(SnTe)_x$:In solid soln., elec. props. 2−5595
PbSnTe, phonon-induced anomalous elec. resist. in struct. phase transition 2−25038
$Pb_{1-x}Sn_xTe$, disorder scatt. 2−9466
$Pb_{1-x}Sn_xTe$:Al(Ga)(In)(Cd), photoconductivity 2−1215
PbTe, diffusion of Cd, effect on elec. props. 2−1209
$PtSb_2$:Te, impurity conduction 2−1213
Se, single crystal, freq. depend. of cond., noise and photoresponse 2−9416
Si, carrier transparent and device performance, influence of cryst. defects, book contrib. 2−1169
n-Si, cond. in strong alternating elec. fields 2−14633
n-Si, heavily doped, elec. resist., partial wave theory 2−9411
Si, heteroepitaxial, characterisation 2−24923
Si, high-field transport of holes 2−1147
Si, impurity and defect characterisation techniques, book contrib. 2−1168
Si, ion implanted, pulsed electron beam apparatus and annealing 2−9408
n-Si, multivalley semicond., transverse field stratification, elec. field distrib. and current meas. *(Russian)* 2−14634
Si, neutron irrad. dislocation-free crysts., annealing influence on elec. and struct. props. 2−24920
Si, neutron irradiated, carrier scatt. by defect clusters 2−14625
Si, polycrystalline, comparison of electrical conduction model with experiment 2−1152
Si, polycrystalline, model for conduction using grain bo- undary mechanisms 2−5529
Si polycrystalline wafer, bulk resistivity determ. by meas. of microwave reflectance modulation and wafer thickness 2−22352
Si solar cell, ion implanted; laser annealed, substrate heating and emitter dopant effects 2−4335
Si substrates, numerical anal. of minority carrier lifetime, contactless meas. technique *(Japanese)* 2−9409
Si wafer, n- and p-type, resist. variation, photovoltaic method meas. *(Japanese)* 2−22347
Si:As, ion implanted, doping profiles and elec. activation, Rutherford backscatt. study 2−14763
p-Si:B, nonlinear piezoresistance study 2−1164
Si:B(P), ion implanted, elec. props., incident ion energy depend. 2−25147
Si:B(P), laser chemically doped, elec. props. 2−9403
n-Si:Mn, residual cond., degree of compensation and impurity conc. effects 2−5539
Si:P, doping using P_2O_5-SiO_2 glass as dopant source, validity of etch rate determ. 2−9556
Si-Ge alloys for IR detection, Czochralski growth and crucible-free process prep. 2−8797
SnO_2:Sb, thin film elec. and optical props. 2−20091
TlBiSe$_2$-PbSe, phase diagram, electrophysical props. 2−5585
TlGaSSe, forbidden band width 2.2 ev *(Russian)* 2−5588
V_2O_5, inhomogeneous, elec. cond. and permittivity near- percolation threshold 2−5574
$ZnIn_2S_4$, elec. cond. and charge storage in sample modulated by perpendicular applied elec. field 2−1210
ZnO, single crystals, electrical properties and non-stoichiometry 2−1183
β-ZnP_2, monoclinic, anisotropy of electroconductivity and thermoelectromotive force 2−14671
Zn_3P_2, single-crystal growth using closed-tube horizontal vapour transport system, bulk elec. props. 2−19403
p-ZnSb, carrier kinetics in mixed scatt. region, cond., thermoelec. power, and Hall effect tensors 2−9475
ZnSe crystals, as-grown from melt, growth and elec. props. 2−20079
$ZnSnAs_2$, p-type, theoretical evidence for impurity cond., explanation of Hall coeff. temp. depend. 2−1211

electrical conductivity of electrolytic liquids
see also electrochemical analysis
electronics industry, ionogenic contamination measurement and control *(German)* 2−13280
fluoranthene, in liquid n-pentane, photoionisation in liquids using laser two-photon ionisation cond. technique 2−1476
hexafluorobenzene, fast migrating negative species study using pulse radiolysis 2−1474
ionic soln. and melts, measuring methods *(Japanese)* 2−11583
pyrene, in liquid n-pentane, photoionisation in liquids using laser two-photon ionisation cond. technique 2−1476

electrical conductivity of electrolytic liquids continued
specific conductivity meter type Z-938 for meas. of impregnating electrolytes *(Polish)* 2−17030
tetramethyl-p-phenylenediamine, in liquid n-pentane, photoionisation in liquids using laser two-photon ionisation cond. technique 2−1476
electrical conductivity of gases
see also space-charge-limited conduction
Ar, hot electron thermalisation, effect of Ransquer min. 2−1468
electrical conductivity of liquids
see also electrical conductivity of electrolytic liquids
alkylbenzenes, aromaticity of synthetic dielec. fluids and elec. props. 2−5855
alkyldiphenylethane, aromaticity of synthetic dielec. fluids and elec. props. 2−5855
alkylnaphthalene, aromaticity of synthetic dielec. fluids and elec. props. 2−5855
benzene, cond. currents and space charge formation in dielec. liquids 2−5857
cyclohexane, electron mobilities and free ion yields 2−1472
dielectric, high field behaviour of moderately pure liquids, complexities 2−1477
dielectric breakdown in liquids, polarity effect for various molecular structs., breakdown mechanism rel. to electron transport processes 2−1494
dielectric liquids, classical cond. model appl. 2−5827
dielectric liquids, conf., Berlin, West Germany (July 1981) 2−5837
dielectric liquids, optical response of excess electrons 2−1470
dielectric liquids, voltage-current charact. at high fields, electrochemical cond. explanation 2−1478
ethane with SF_6, effect of elec. field on electron attachment 2−1520
nonpolar liquids, effect of some electron scavengers on photocond. 2−1475
nonpolar liquids, molecular dynamics and excess electron drift vel. 2−1471
polyethylene, molten state, elec. conductivity, dielec. const. and viscosity meas. in high field 2−5828
polystyrene, molten state, elec. conductivity, dielec. const. and viscosity meas. in high field 2−5828
polyvinylidene fluoride, molten state, elec. conductivity, dielec. const. and viscosity meas. in high field 2−5828
propane with SF_6, effect of elec. field on electron attachment 2−1520
propylene carbonate, DC conductivity, permittivity and dielec. relaxation of supercooled liquid, 5 mHz to 5 MHz 2−1480
silicone, high field cond. in dielec. liquid films in time range 10^{-5} to 10^{-3} s 2−1521
Ar, free-carrier yields of radiation induced cond. in liquefied rare gases 2−3418
As-Ge-Se, glasses and melts, thermal and elec. cond. 2−5583
As-Se, liquid, elec. and thermoelec. props. 2−9467
As-Se, liquid, elec. cond., thermoelec. power and semicond.-metal transition 2−14669
$CuTlSe_2$, liquid, elec. cond. and thermoelec. power 2−9464
H_2, excess electrons, photoinjection and mobility 2−1473
Ne, excess electrons, photoinjection and mobility 2−1473
SF_6, drift of radiation-induced charge carriers 2−1469
SF_6 in nonpolar hydrocarbon liquids, effect of elec. field on electron attachment 2−1520
$(Se_{0.5}Te_{0.5})_{1-x}M_x$ (M=Cu,Tl,Ag,Na) liquid semiconductor, elec. cond., thermopower and mag. susceptibility 2−20114
V_2O_5, liquid, elec. cond. relax. 2−20090
electrical conductivity of one-dimensional systems *see one-dimensional conductivity*
electrical conductivity of plasmas *see plasma transport processes*
electrical conductivity of solids
see also electrical conductivity of amorphous metals and alloys; electrical conductivity of amorphous semiconductors and insulators; electrical conductivity of crystalline metals and alloys; electrical conductivity of crystalline semiconductors and insulators; electronic conduction in crystalline semiconductor thin films; electronic conduction in insulating thin films; electronic conduction in metallic thin films; ionic conduction in solids; recovery; superconductivity
charge storage and transport in dielectrics, corona method 2−5830
cyclohexane, electron mobilities and free ion yields 2−1472
dielectrics, conductivity profile reconstruction in time domain, optimisation 2−22355
insulating materials, surface and volume conductivity, field calcs. *(German)* 2−9821
phenolic-based insulating materials, elec. cond. and thermal decomp. 2−5862
plastics, fillers props. influence 2−5036
porous materials, impregnation with liquid dielec., elec. behaviour, relative permittivity determ. 2−1479
segregated system of metallic and insulating materials, percolation model, thick film resistors 2−14532
silicon-based insulating materials, elec. cond. and thermal decomp. 2−5862
thick film resistors, EMCA 5500 series, rel. between current noise and conductivity 2−9330
Al-Tb_2GeS_5-Fe structure, charge transport mechanism 2−14728
TiC-SiC, sintered, elec. resist. 2−8849
electrical conductivity transitions
see also metal-insulator transition
chalcogenide glasses, review of studies at Ioffe Physical-Technical Institute, USSR 2−25004
chalcogenide glasses, switching, low-resistivity state, electron-thermal nature 2−5582
ethylene-vinylacetate copolymer, C loaded, resist. and positive temp. coeff. of resist., correl. with C black parameters 2−25391
layered semiconductor structures and heterostruct., hot electron and phonon effects 2−14675
semiconductor, current controlled negative resist. and generation-recomb. induced nonequilib. phase transitions, impact ionisation model 2−24902
transition metal oxides, elec. cond. switching, review 2−25010
As-Ge-Te glasses, pure and doped, elec. and dielec. props. 2−9461
As-Se, liquid, elec. and thermoelec. props. 2−9467
As-Se, liquid, elec. cond., thermoelec. power and semicond.-metal transition 2−14669
As_2S_3:Sb_2S_3, negative transient conductivity effects 2−24993
$As_{30}Te_{48}Ge_{10}Si_{12}$, amorphous, transient switching process, simple analytical explanation 2−5577
electrical conductivity transitions continued
Au discontinuous film in point-contact diodes, switching 2−983
Au-SiO_2-Au diodes, electroforming in organic gases, voltage controlled negative differential resist 2−25103
c-amorphous $In_{0.25}Te_{0.75}$-C struct. nanosecond switching parameters 2−9457
CdS film, reversible switching of residual cond. by a gas-vapour pulse 2−9442
GaAs FET, magnetoresistance oscills. and transition from 3-D to 2-D cond. low temps. 2−25243
GaAs:Cr S-type diodes, impedance under double injection conditions, switching mechanism 2−20127
Ge, amorphous, elec. props. 2−9460
Ge-Bi(Sb), amorphous, elec. props. 2−9460
In-Ga:Cr-In struct. with S-type I-V charact., field distrib., switching mechanism 2−20156
InAs-GaSb superlattices in high magnetic fields, band struct., elec. and optical props. 2−14688
In_2Te_3, single crystals, switching effect 2−9477
Mo_xGe_{1-x}, amorphous film, elec. transport and struct. 2−20106
Se, amorphous film, monostable switching, microwave noise 2−9455
Si-rare earth oxide film MOS struct., negative resist., switching and signal generation 2−25094
$Te_{40}As_{35}Ge_7Si_8$, amorphous, threshold switching 2−25018
$Te_{48}As_{30}Si_{12}Ge_{10}$, chalcogenide glass threshold switching devices, thermal cond., temp. meas. using liquid crystals 2−20222
$Te_{81}Ge_{14}Sb_2S_3$, amorphous, memory switching 2−25018
TlGaSSe, electrical props., forbidden band width 2.2 eV *(Russian)* 2−5588
$ZnIn_2S_4$, elec. cond. and charge storage in sample modulated by perpendicular applied elec. field 2−1210
electrical contacts
see also contact potential; contact resistance; ohmic contacts; point contacts
contact identification, using microprocessor, monostable cct., NOR-gates 2−9262
DC circuits with inductive load, magnetically controlled contacts, performance investigation *(Russian)* 2−28059
DC machines, influence of the brush-collector electric contact upon the commutation of an inductive circuit *(Rumanian)* 2−27933
diffusion barriers in layered contact structures 2−5707
dry reed contact, correlation between switching phenomena and characteristic life 2−1000
dry reed plating, improved process by Elec-Trol Inc. in USA 2−23815
dry-circuit contacts, review of environmental tests 2−5397
dry-reed contacts operated by permanent magnets, test method 2−5414
dynamic stability of a sliding contact between pliant brushes and a smooth commutator, analysis *(Russian)* 2−27938
electric traction, contact force measurement between contact wire and contact strip *(German)* 2−28166
electrical contact assemblies, US exam. for bond integrity 2−9278
electron beam welding of low-voltage switches *(Hungarian)* 2−18987
electroplating of electrical contacts, selective Au plating process by in-house operations 2−19926
failure analysis techniques *(Danish)* 2−24756
graphical symbols for electrotechnology, Australian Standard AS1102 ladder diagram prep. 2−981
high contact rating miniature reed switch development 2−5412
light duty contacts, contact resistance evaluation using statistical analysis 2−984
manufacturing techniques and reliability 2−19927
metal coating for electrical contacts, tribology 2−19912
microcircuit wire bonds mechanical testing, results anal. using K1510 microprocessor *(German)* 2−1049
miniature relay D1, using getter for high contact reliability 2−24767
multilayered reed contacts for large surge current load 2−999
multiple tripout contacts, rupturing capacity investigation *(Russian)* 2−14340
Mylar touch switches, technology, appls. *(French)* 2−9270
reliability model and method of estimation of durability *(German)* 2−5395
rotating electrical machines C brushes frictional and operational charact. 2−27850
silicide contacts to Si, shallow and parallel 2−5632
silver-containing contacts with a copper sublayer and a method of their welding *(Russian)* 2−24757
spectrum analysis of noise caused by electrical contacts on opening 2−9273
study of nonstationary thermal conditions of contacts in automatic breakers under overload currents *(Russian)* 2−18381
study of the electrical resistance of a mercury contact *(Russian)* 2−18380
switchgear contact behaviour against heavy fault currents, math. model *(Russian)* 2−4306
switchgear contact erosion behaviour in arc switching media *(German)* 2−18379
tape segment welded contacts, high speed assembly using flexible modularly constructed welding machine 2−5398
tinnable Cu solder sites on thick film Au terminations, prep. 2−24758
Ag contact closing arcs, cause of max. RFI 2−14350
AgCu 10 contact material corrosion resist. *(German)* 2−9263
Al contact to NiSi using thin W layer as barrier, elec. charact. 2−9612
Au plated contacts, crimp type, reduction of usage volume, plating metallurgies 2−14338
Au plating thickness testing, combined microsectioning, β backscatter SEM method 2−14337
Cu and Al wires in wire-wrap and slit-clamp connectors on printed board, contact charact. *(German)* 2−14364
Hg pools, contacts using polypyrrole coatings 2−5396
InP:Fe, thermally stimulated cond. investigation 2−14644
Pd molten metal bridges, meas. of melting and rupture voltage 2−19913
Pt molten metal bridges, meas. of melting and rupture voltage 2−19913
Pt-Y_2O_3 cermet contact for a-Si:H solar cells, material optimisation studies 2−23529
n-Si, electroless Ni plating, appl. to solar cells 2−24312
Si solar cells, n^+p structure, 100 mm, reliable screen-printed contacts 2−12909
n-Si-TiN contact, elec. charact. 2−14711
Sn and Sn alloy plating, used for electrical connectors 2−5415
Sn plating, appl. as alternative to Au plating 2−24759

electrical contacts continued
Sn rich coatings, electrical contact materials, props. 2−982
Ti-Pd-Au metallisation system for shallow-junction photodiodes 2−10151

electrical contracting
American Electricians Handbook, Tenth edition 2−8141
computerized system for better electrical estimating 2−18933
EDP appl. in small business management *(German)* 2−23949
firm, insolvency protection 2−8211
HV substations construction on turn-key basis, project engineering and management 2−27972
implications on electrical contractors of Health and Safety at Work Act, UK 2−8226
instrumentation, scope for small firms 2−8213
partnerships, death of one partner, provisions for carrying on business 2−18934
test instruments for electricians and maintenance men 2−22311

electrical double layers *see electrochemistry*

electrical engineering
see also high-voltage engineering
American Electricians Handbook, Tenth edition 2−8141
basic electrical engineering, ccts., electronics, machines and controls, fifth edition, book 2−23919
challenges for technical education and graduates in the third world 2−18906
Chinese and German specifications and standards comparison on electrical equipment for hazardous atmospheres *(German)* 2−18143
education, developing countries, trends 2−23911
education conf. Rapid City, South Dakota, October 19-21, 1981 2−18873
Electric Power Engineering Education Resources 1979-80. IEEE Power Engineering Society Committee Report 2−8163
electrical systems standardisation and past and present work of International Electrotechnical Commission *(Spanish)* 2−23870
electrical training at Jarvenpaa vocational course centre *(Finnish)* 2−18880
electrochemistry lecturing *(German)* 2−8166
electromagnetic field thoery courses for electrical engineering students, teaching material *(German)* 2−23917
electromechanics, laboratory work, project-type experiments 2−23912
electronic signals and systems: a course for non-engineers 2−18904
electrotechnical industry in Soviet Union, development trends *(Russian)* 2−1
Elektrichestvo journal, 1939-1955 publications in Soviet Union *(Russian)* 2−3
Elektrichestvo journal published in Soviet Union *(Russian)* 2−2
EM transients, NETOMAC simulation program: differential admittance method with continuous and discontinuous systems *(German)* 2−3789
energy conversion technology−a three year technologist program 2−18897
engineer as educator 2−18900
French electrical manufacturing industry, production and export statistics *(French)* 2−28290
household electrical systems design and standards 2−7536
IEEE validation program for the continuing education achievement of electrical engineers, update 2−18894
importance of power engineering to the British economy 2−22766
in-plant masters program in electrical engineering 2−18895
interactive computing as instructional tool in two year electronics degree 2−18892
Mexican electrical sector, research, planning and manpower requirements *(Spanish)* 2−18843
mid-career engineers longitudinal studies of continuing education 2−18896
mining, shaft sinking, aspects 2−13133
Moldavian history and present state of education, scientific research and electrical engineering *(Rumanian)* 2−22
Newnes Electrical Pocket Book, 18th edition 2−13145
Oulu University, northern Finland, electrical engineering training 2−23903
power electronics, book 2−18857
power engineering for the developing countries 2−22769
power engineering for tomorrow's industry, electrical processes 2−23790
power engineering in rail transport, UK 2−23678
power engineering research in the USA 2−22770
profession and professionals, contracts and codes of ethic 2−18874
profession and professionals, teaching ethics 2−18903
PTT/VSEI plant electronic engineers introductory course *(German)* 2−18883
research and development, UK 2−18917
researchers in electrotechnology, profile 2−7
resolution of the All-Union scientific and technical conference on system studies in power engineering 2−12124
scientific basis of system studies in power engineering 2−12123
Slovene electrotechnical professional secondary school education *(Slovenian)* 2−23906
students cooperative group learning at Minnesota University 2−18891
students difficulty with mathematics 2−18905
Swiss industry growth and structure *(German)* 2−23871
system studies and methodological problems of comparative economic efficiency in power engineering 2−12161
teaching communication studies, electrical engineering students, problems 2−23910
TEC Unit U76/361, Electrical and Electronic Applications 2, textbook 2−23920
technology, 1956-79 progress reviews in Elektrichestvo journal, Soviet Union *(Russian)* 2−4
thermoplastics widen equipment design options 2−13862
undergraduate curriculum projected for the Communication and Electronics Engineering Department of the Instituto Politecnico Nacional, Mexico 2−18902
university studies of electrical engineering in Slovenia *(Slovenian)* 2−23905
US engineering schools research and teaching practices comparison with European equivalents *(Italian)* 2−23904
AI applications review *(German)* 2−18301

electrical engineering applications of computing *see electrical engineering computing*

electrical engineering computing
see also computerised control; computerised instrumentation; electric machine analysis computing; electric machine CAD; power system analysis computing; power system CAD
analytical study of transient processes in a capacitive energy accumulation 2−12949
asynchronous drive with thyristor voltage regulator, design calc. 2−18638
automatic electric drive systems, hastening transient processes by means of microcomputers *(Chinese)* 2−18627
axial symmetric arrangements numerical field calc. using desk top computers *(German)* 2−23332
bridge instrument voltage, current and commutation angle computations *(Polish)* 2−17046
building energy efficiency assessment, data acquisition system 2−22199
calculation of the electromagnetic field and forces in attraction-type levitation devices 2−12995
car headlamps testing, using SP/99 Soft Power microcomputer *(Italian)* 2−22061
computer program for field modelling of bubble devices 2−1586
computer programs for planning and managing outages 2−7630
eddy currents at power frequencies, numerical solution of 3-dimensional problems 2−21029
EM field computation by finite-element parallel processor 2−15621
incandescent lamps development, energy conserving, with multi-layer heat mirror coating 2−13057
indoor switchgear busbar design, electrodynamic stability under short circuit conditions *(Russian)* 2−28060
induction motors, electrodynamic forces, mech. stresses and vibrs. in coil ends *(Polish)* 2−18232
intrasystem EMC anal. program, nonlinear effects models 2−21149
intrasystem EMC anal. program, port spectra and nonaverage power receptor 2−21148
lighting, interior daylight illumination calc. using programmable hand calculator 2−13067
magnetics, review 2−20492
multiconductor overhead lines, transients calc. *(Polish)* 2−17752
PE wire and cable insulation, crosslinking using fast electrons in bilateral and multilateral irradiation, electrons optimal energy calc. *(Czech)* 2−5391
power system contingency simulation using array processor 2−22856
printed circuit board EM field calc. 2−21150
prognostication model for the development of light sources *(Russian)* 2−18746
rolling mill electrical drive load evaluation by computer *(Russian)* 2−18789
solenoid design and checking with programmable calculator *(Spanish)* 2−15656
stepping motor system, electrical and mechanical design, computerised model 2−7885
three-phase cables, losses in iron sheathing *(German)* 2−7545
touch and step pot. calc. of faulted URD cables, computer program results in handbook form 2−27493
touch and step pot. calc. of faulted URD cables, computer program 2−27494
transformer CAD/CAM system *(Danish)* 2−27989
workstation of the future for electronic engineering 2−13263
Si solar cells operating under medium solar concentration, structure optimisation 2−4370

electrical fault location *see fault location*

electrical faults
see also accidents; discharges (electric); electric distortion; fault currents; fault location; flashover; insulation; losses; overvoltage; protection; testing; transients
3-phase power networks sequentially developed electrical faults digital simulation 2−27400
10 kV rural supply networks, high speed protection *(Russian)* 2−3783
check of earth-fault protection by a secondary current 2−12312
distribution networks, MV earth faults, damage caused and protective measures *(Italian)* 2−22906
distribution networks, MW, fault type, anal. and measurement *(Italian)* 2−27475
distribution networks earth fault protection, new concept *(Polish)* 2−27484
EHV transmission system containing controlled reactors, transient stability limits 2−3689
electric generators stored program control of synchronisation with the mains *(German)* 2−27871
electric motors, causes of failure 2−7804
electrolytic capacitor measurement bridge, capacity value determ. and capacitor leak detect. *(Spanish)* 2−11534
electrostatic discharge failures, cause and prevention 2−15605
fault simulation of divided winding rotor synchronous generator with rectifier excitation 2−4055
hydroelectric generator earth fault protection *(Russian)* 2−4021
integrated circuits, extraneous contaminant damage to surface 2−14967
lighting, automatic emergency illumination, using transistor, triac cct. *(Spanish)* 2−28228
linearization method for determining the effect of loads, shunts and system uncertainties on line protection with distance relays 2−12286
LV cable networks, dealing with faults 2−7534
LV installations earth fault protection using differential devices *(Italian)* 2−22959
motor starter fault performance test methods 2−23400
overhead transmission lines, faults caused by galloping, probability of occurrence, calc. 2−12215
polyphase distance protection characteristics 2−3802
power supply continuity improvement to industrial areas by insularization 2−27338
power system failure extension curtailment procedure and criteria *(French)* 2−27340
power system load behaviour under short cct. faults, field tests 2−12152
power system probable fault conditions selection methodology *(Czech)* 2−27365
power transmission line fault distance computation by microprocessor from line impedance change *(German)* 2−27570
steam turbine self-protection safety measures against disturbances 2−27692

electrical faults continued
switches, HV, kilometric defect solicitation severity evaluation using computer *(Rumanian)* 2—28053
three-phase voltage monitor 2—22962
turbine-generator rotor unbalanced faults computing, heating effects prediction 2—7808
unbalanced polyphase electrical networks generalised shunt fault anal. 2—27332
voltage in-circuit indicator, fail-safe cct., using op-amp, LEDs 2—7175
electrical forming *see electroforming*
electrical insulation *see insulation*
electrical noise *see noise*
electrical power systems *see power systems*
electrical properties of substances
see also dielectric properties of substances; discharges (electric); electrical conductivity; flexoelectricity; thermoelectricity
No entries
electrical resistance measurement *see electric resistance measurement*
electrical transport processes *see electrical conductivity*
electricity
see also atmospheric electricity; electric charge; electric current; electrical properties of substances; electromagnetism; terrestrial electricity
No entries
electricity supply industry
1 MWp central photovoltaic plant, feasibility of connection to European electrical network 2—18085
13.8 kV bidirectional 1200 A light-fired thyristor switch VAR generator 2—23376
50 kW photovoltaic power plant coupled to the 15000 V electricity grid 2—12552
advanced batteries for economic storage of base-load electricity 2—28087
analysis of electric power brokerage systems 2—27390
analysis of the optimal structure of city electricity supply systems 2—27487
Austrian electricity industry survey for 1980 *(German)* 2—22849
automatic network information and documentation in power supply *(German)* 2—17627
automation of industrial electric energy consumers' accounting in Poland *(Polish)* 2—27360
Bavarian Electricity Supply Company computerised network supply system *(German)* 2—27354
benefits from a greater reliance on electricity 2—12122
Bernische Kraftwerke AG (BKW) in Switzerland *(German)* 2—22792
Biel undertaking *(German)* 2—22795
British electrical energy generation and organisation *(German)* 2—17636
Canadian electric utilities, R&D trends 2—3662
City of Bern electricity utility (EWB) *(German)* 2—22793
coal mining and reclamation: Coal costs, regulations and utility planning 2—23854
coal-based synthetic fuels for electric utilities 2—18016
coal-fired and nuclear power plants, cost effectiveness 2—27348
combustion turbine vanes, blades, and hot section components, advanced cooling technology, development and demonstration 2—27771
communications transmission in the electrical power industry *(German)* 2—26384
compressed air storage appl. 2—4385
consumption forecasts, methodology and appl. 2—12193
cost-factor calc. based on characts. load variation curves *(German)* 2—12137
credit and load management system for an electricity utility 2—7487
customer costs of intermittency in electricity supply 2—17646
daily fossil fuel management programme, optimisation algorithm 2—22833
decentralized solar energy and the electric utilities 2—17648
demand control by tariff adjustment 2—7479
deposition in gas turbines, Workshop proceedings, Palo Alto, USA, 1980 2—7745
development of energy policy in European Community and in Netherlands, surv ey *(Dutch)* 2—27594
distributed power systems within elec. utility, economic operation 2—3687
district heating business opportunities for electric utilities 2—23775
domestic load limiting device remotely operated by electric utility 2—7942
early planning for cogeneration 2—17674
economic impact of state ordered avoided cost rates for photovoltaic generated electricity 2—18600
effects of regulation on the behavior of professionally-managed utilities 2—17647
electric power generation, productivity and labour costs 2—12160
Electric Power Research Institute's Nondestructive Evaluation Center 2—17872
electric utility gas turbines, shale oil as fuel, evaluation 2—27770
electric utility generation planbook 2—3816
electric utility modelling extensions to evaluate solar plants 2—23199
electrical energy production management, East Germany *(German)* 2—3671
electricity demand sensitivity to variations in meteorological conditions, anal., by Electricite de France *(French)* 2—22798
electricity production and transmission in a changing world, CEGB objectives, UK 2—22767
electricity supply in the Netherlands *(German)* 2—22774
electricity tariffs analysis and energy usage monitoring, microcomputer appl. 2—22800
electrification key to nuclear and renewable energy resources 2—22972
energy, capacity and economic effects of cogeneration interfaced with an electrical utility system 2—3722
energy consultation for optimum utilisation *(German)* 2—22810
energy costs effect on industrial development and society in Germany *(German)* 2—27353
energy management programme, diversified utilisation 2—12156
energy saving in Portugal, national information network *(Portuguese)* 2—12144
energy savings in industrial systems using combined steam and electrical generation, appl. to major refinery 2—18819
energy strategy planning for electric utility, SMARTE methodology 2—27429
energy strategy planning for electric utility, SMARTE methodology case study 2—27430
energy supply by the aid of photovoltaic cells *(Dutch)* 2—23197
energy-using durables, choice and utilisation, EPRI-sponsored study, November 1979 2—27418
electricity supply industry continued
environmental protection, need for objective legislation *(German)* 2—17624
facility management, computerised graphics systems appls. 2—7478
Federal Germany's energy imports and balance of payments *(German)* 2—22809
Federal Republic of Germany electricity supply economics statistics for year 1980 *(German)* 2—7483
financial transactions between electric utility and photovoltaic owner 2—3694
fossil fuel demand forecasting, math. model. 2—3826
fuel cell cogeneration appls. by electric utilities, technical and economic feasibility 2—7496
generating capacity growth restraints, effects on United States economy to year 2000 2—7503
generation expansion model for use in research and development planning under uncertainty 2—27437
German electricity industry economy 1981, laws and regulations *(German)* 2—27352
hydropower planning in USA, ecological aspects 2—18057
impact of residential photovoltaic power system on an electric utility 2—18598
impacts of dispersed energy alternatives on T&D 2—3701
importance of power engineering to the British economy 2—22766
industrial cogeneration and integration into public supply grid, economic, institutional, and environmental issues 2—23079
industrial law system in Hungary, interaction *(Hungarian)* 2—17635
integrated power supply systems, systems combination for design *(German)* 2—12411
interactive load control, autogenerators and independent electricity suppliers 2—7477
intermediate photovoltaic system/utility interface experience 2—23647
large superconducting generator development benefits for utilities 2—18210
linking distribution facilities and customer information system data bases 2—27482
load demand forecast uncertainty, anal. 2—7516
load forecasts derived from USA regional load models 2—27438
load management with customer cooperation, experience 2—27349
locating and correcting TV and radio interference 2—25994
LV consumers electricity supply voltage characts., influence of domestic and other appliances 2—27411
managing power generation maintenance cost effectively by computer 2—17644
Minnesota Power Co., computerised branch exchanges in star network 2—6548
nuclear energy developments in electric power generation capacities for 1990s in Japan 2—17833
nuclear power plants, accidents, operators' liability for compensation, in France *(French)* 2—7631
nuclear reactors, higher fuel burnups, low leakage fuel management programme, USA 2—23045
Oberhasli undertaking *(German)* 2—22796
oil fuel consumption reduction via economic generation reserve margins 2—17658
on-site photovoltaic system interconnection with electric utility 2—18081
operating a modern, private electricity supply utility in Great Britain 2—7488
personnel development for improved performance and cooperation skills *(Finnish)* 2—18881
perspectives of development of electrical supply for agriculture, Soviet Union 2—13128
photovoltaic power systems, scaled down, hardware simulation 2—12553
photovoltaic systems in elec. utility appls., economics 2—18100
planning for future generation needs 2—17666
pollution, coal fired power stations and the environment in West Germany *(German)* 2—12485
power engineering, early struggle in UK 2—22768
power engineering for the developing countries 2—22769
power factor correction step by step 2—22902
power generation pulverised coal technology improvement, funding methodology 2—27603
power network reliability, service cost and quality 2—27347
power plant outages caused by air preheater failures, underlying cause determ. 2—23114
power station equipment problems, utility oriented approach for root-cause analysis 2—7732
power station flue gas desulphurisation cyclic reheat, technical and economic evaluation 2—27743
power station one-day outage effects on energy economics *(Czech)* 2—27366
power system security enhancement by co-ordinated planning and operations engineering 2—17680
power systems in EEC, thermal efficiency comparisons need for caution 2—22847
pricing by theory of second best, feasibility and potential usefulness 2—3704
production of electricity as instrument of economic policy *(French)* 2—13218
rechargeable alkaline zinc/ferricyanide hybrid redox battery for utility load levelling and solar photovoltaic/wind appls. 2—12823
regulation of utility waste disposal practices, USA 2—27599
research and development over last five years in Hungary *(Hungarian)* 2—3672
residential customers, Bonus Bucks coupons put dollars in customers' pockets when they buy high efficiency equipment 2—17628
residential solar photovoltaic generating system connected to elec. utility distribution system in Arizona, USA 2—8012
residual-oil fuels for gas turbines, Workshop proceedings, Atlanta, USA, 1980 2—7744
rural electrification in Thailand 2—12205
Slovenia elec. power engineering *(Slovenian)* 2—27356
small scale combined heat and power generation in United Kingdom 2—7699
solar heating and cooling simulation programs for electric utilities 2—12180
solar heating and cooling simulation programs for electric utilities, assessment and evaluation project, five major activities 2—12181
solar power satellites, integration with utility system networks 2—27832
solar thermophotovoltaic conversion for electric utility appls., feasibility 2—23210

electricity supply industry continued
some aspects of the socio-economic impact of the ESCOM expansion plan, S.Africa 2−22773
spot pricing implementation, with interactive load control 2−22799
SR Croatica electric utility development plan self-management contract *(Croatian)* 2−17622
standardized SCADA AGC system effect on system cost, delivery and quality, Northern States Power Company, USA 2−22838
superconductive magnetic energy storage for diurnal use by electric utilities 2−23653
tariffs for electrical power, European rates comparison *(Spanish)* 2−22789
technical-scientific information *(Hungarian)* 2−22817
telecommunication cables, five categories, specifications and standardisation, Holland *(Dutch)* 2−6728
Tennessee Valley Authority decentralised energy system planning and development 2−22864
USA current and historical development of energy consumption and production patterns, fuels used 2−17623
USA energy planning and energy economy *(Hungarian)* 2−22816
USA industrial cogeneration investment in the 1980s, present state and future developments 2−12127
USSR from times of GOELRO plan to year 1980 *(Russian)* 2−22804
utility electrical rates and customer bills in USA 2−7480
wind power in USA, survey 2−23232
wind power plant electric control principles and system for feeding into distribution network *(German)* 2−27841
wind power plants incorporation and impact in generation expansion planning 2−17671
Wynan undertaking supplying 85000 inhabitants *(German)* 2−22794
Li-FeS battery system for electric utility storage and load levelling 2−18452

electro-optical devices
see also electrochromic devices; liquid crystal devices; optical modulation
active devices in dielectric waveguides, review 2−24648
amplitude modulation, optically induced problems 2−15349
ATE system with 3-port input 2−26768
band-pass light modulators *(Russian)* 2−20688
bistability at an electro-optic interface 2−25841
bistable device with delayed feedback, instability 2−6055
bistable integrated directional coupler switch, remotely controlled, in optical fibre link 2−15345
co-axial optical directional couplers using tube guide surrounding single-mode rod 2−6059
commutator switch, three channel electrooptic waveguide 2−25551
conference, optical systems and appls., Utrecht, The Netherlands (Sept. 1980) 2−8135
display systems, visual perception of depth 2−16851
electro-optical distance measuring instrument, two channel laser modulation *(German)* 2−15348
electrophoretic display, materials as related to performance 2−1750
electrowetting optical switch for multimode optical fibres 2−25545
Fabry-Perots, nonlinear, ultrashort pulse detect. appls. 2−2024
fibres, single-mode, automatic electrooptic polarisation control system 2−9991
filter, tunable, electrooptic, passband programming 2−10076
filter for rotationally invariant objects detection *(Russian)* 2−1747
guided-wave device for general polarisation transforms. 2−9987
holographic data processing using photorefractive crysts. 2−15566
hybrid electro-optical multivibrator operating by finite feedback delay 2−25548
image subtraction, real time, electro-optic 2−21370
integrated electro-optical light modulators *(Russian)* 2−1749
integrated optics devices, fabrication technology 2−25542
interference-polarisation filter, controllable stage 2−1772
Kerr shutter, krypton triggered, for laser pulse selection 2−20921
laser modulators, using phase change material with reflective, transmissive states 2−15350
liquid displacement due to surface tension elec. modulation, passive display and optical switching appls. 2−6058
microchannel spatial light modulator for image processing operations, performance limitations 2−10073
MicroSeries system, high performance optical encoders 2−22387
modulators for pulse selection system for CW lasers and time-resolved photon counting 2−1751
multimode fiber links, electrooptic switch 2−10040
multipoint wireless digital X-Y selection scheme 2−10072
$NH_4H_2PO_4$ electrooptic light modulators construction, performance, and modulation possibility 2−25547
oil-film modulator for projection TV system *(German)* 2−16683
optical signal processing, architectures and algorithms with appl. 2−21369
optoelectronic devices based on PZLT, edge effect calc. *(Russian)* 2−10070
oscillator, high freq., using integrated interferometer 2−25546
planar electro-optical interference modulator*]* with strip light guides*]* *(Czech)* 2−1752
Pockels 2−20690
Pockels cell, electro-optic control of mode-locked Nd:YAG lasers 2−6197
Pockels cell, regular spike prod. from freq. doubled Nd YAG laser 2−15492
Pockels readout modulator transparency, use in real time hologram recording system 2−15574
power sources, configs. and tradeoffs 2−710
product growth cycle 2−25549
PROM device, image recording and erasure mechanisms 2−6054
space-time light modulator, spectral sensitivity 2−1753
spatial electron beam light modulator based on $Bi_{12}GeO_{20}$ and $Bi_{12}SiO_{20}$ crystals 2−15347
submillimetre waves, tunable phase-matching and electro-optic modulation 2−10350
switch circuit for control of electro-optical devices 2−14252
switching devices in integrated optics, using $LiNbO_3$:Ti channel waveguides 2−10057
switching network, N×M, in planar $LiNbO_3$ optical waveguide, for computer communications 2−11090
switching networks, optical channel waveguide total internal refl., fabrication and testing 2−1741
thin-film electroluminescent devices, appl. 2−7162
transmitters for HV and heavy current measuring appls. in electric power test laboratories *(French)* 2−17075
transmitters for HV and heavy current measuring appls. in electric power test laboratories *(French)* 2−17076
travelling-wave electrooptic modulators, vel. mismatch meas. 2−25550
Al-SiO_2-GaAs-n^+-GaP, MIS light modulators using Franz-Keldysh effect 2−6057
As-S, amorphous film, optical waveguide, laser beam electrooptic modulation 2−20691
$Bi_{12}SiO_{20}$ based PROM controllable transparencies, energetic and spatial characts. *(Russian)* 2−1746
$Bi_{12}SiO_{20}$ Soviet PRIZ spatial light modulator 2−1748
$Bi_{12}SiO_{20}$ cryst., holography and speckle techniques for deformation and vibr. anal. 2−10381
GaAs epitaxial layer photoelastic electro-optical directional couplers, 1.15 μm, strain-induced waveguides 2−6050
KH_2PO_4, electrooptic light modulators, construction, performance, and modulation possibility 2−25547
KH_2PO_4 light shutters, piezoelec.-induced acoustic transients 2−10074
$LiNbO_3$ 2×2 transverse type optical switch, wavelength meas. and demultiplexing appls. 2−10077
$LiNbO_3$ Bragg modulator, relax. processes 2−1745
$LiNbO_3$, electro-optic directional coupler integrated with pyroelec. waveguide detector, optical bistability 2−6045
$LiNbO_3$ optical directional coupler, gating of Gbit rate diode laser pulse trains 2−6230
$LiNbO_3$ wide band branch waveguide modulator, video signal transmission 2−1742
$LiNbO_3$:Ti guided-wave electro-optical devices for integrated optics, review 2−10078
$LiNbO_3$:Ti guided-wave devices for optical fibre communications appls. 2−11096
$LiNbO_3$:Ti tunable electro-optic TE⇆TM mode convertor/wavelength filter 2−10068
$LiNbO_3$:Ti waveguide optical serrodyne freq. translator 2−6046
$LiTaO_3$ Pockels cell, single-shot meas. of picosecond optical pulse waveform 2−10334
Nd^{3+}:YAG CW laser radiation static polarisation-modulation charact. control using intracavity electrooptic modulator 2−20865

electro-optical effects
see also electroabsorption; electrochromism; electroluminescence; electroreflectance; Kerr electro-optical effect; photorefractive effect; Pockels effect; Stark effect
amorphous semiconductors aspects of basic physics researches 2−25019
bicyclo[2.2.2]octane esters, nematic liq. cryst. props. rel. to display appls. 2−11552
cholesteric liquid crysts., electro-optical and thermo-optical appls. 2−11560
glass, elec. field induced SHG, atm. effects 2−2005
liquid crystal display with 2−10080
liquid crystal guest-host displays, dielec., electro-optical, and phase change props. 2−7163
liquid crystal materials for field-effect electro-optical devices 2−11554
liquid crystals, one- and two-dimens. ordered, conference, Garmisch-Partenkirchen, Germany (Jan. 1980) 2−8145
MBBA-cholesteryl nonanoate mixture, cholesteric, rotatory dispersion under AC elec. field, appl. to colour display device 2−17060
nematic liquid cryst., twisted configuration, threshold voltage, improved temp. coeff. 2−7167
nematic liquid cryst. cell, crit. angle calc. 2−6063
organic photoconductor, electro-optical induction of recomb. luminesc. 2−6096
polyethylene, low density and cross-linked, light detection during the initiation of electrical treeing at room temperature 2−9769
Raman coeff., first order, related to optical props. of zinc blende crystals 2−10343
ring laser, travelling wave, subpicosecond pulse generation using synchronous double-modulation 2−6237
semiconductor, electronic response to illumination, surface effects 2−10116
semiconductor compounds as quantum electronic materials, physical charact. *(Russian)* 2−9966
smectic liquid crysts., electro-optical and thermo-optical appls. 2−11560
smectic-cholesteric mixed liq. cryst., light transmission charact. in optic effects 2−10086
thermotropic liquid crystals, physics and display appl. 2−26901
twisted nematic liquid crystal displays, effects of optical anisotropy and cell thickness *(Japanese)* 2−1758
AlGaAs constricted double-heterojunction diode lasers, structs. and electrooptical charact. 2−20894
$BeSO_4.4H_2O$, electro-optical effect, Raman scatt. and SHG 2−2025
$Bi_{12}SiO_{20}$, photorefractive electrooptic cryst. with vol. phase hologram, light diffr. 2−10379
CsI:Tl γ scintillation length and amplitude effects 2−27054
InSb, spin-flip Raman gain, effective g-value and radiation absorption under transient elec. field conditions 2−6261
KH_2PO_4, dielectric props., conduct., multilayer capacitor, electrooptic study 2−9755
$KNbO_3$;Fe^{2+}, volume phase holograph form., coherent light amplification and optical phase conjugation 2−20949
$LiNbO_3$ diffused waveguides, electro-optical props. 2−15329
$LiNbO_3$:Fe, photorefractive electrooptic cryst. with vol. phase hologram, light diffr. 2−10379
$LiNbO_3$:Ti waveguides, electrooptic-photorefr. modulation 2−16459
ZnO luminophores, low-temp. studies on grain-size effect on electro-optical effects 2−24961
ZnSe crystals, effect of heat treatment in Zn, Se, Cd vapour on optical and electro-optical props. 2−5549

electroabsorption
chalcogenide glasses, review of studies at Ioffe Physical-Technical Institute, USSR 2−25004

electroacoustic effects *see acoustoelectric effects*

electroacoustic generators *see acoustic generators*

electrocaloric effects *see pyroelectricity*

electrocardiogram *see electrocardiography*

electrocardiography
see also bioelectric potentials; biomagnetism; cardiology
A-V conduction system measurements 2−7334
adaptive filters appl., review 2−7333

electrocardiography continued
aircrew, main ECG anomalies *(French)* 2−7331
arrhythmia monitoring system, computerised dynamic 3D joint interval histogram display 2−27180
beat rate variability signal, comparison of methods for obtaining 2−3499
belt with pick-up electrodes for standard patient 2−11930
biosignal visualization devices for equipment of cardiology units, CRT oscilloscope development 2−17380
cardiotachometer, microprocessor-based, heart rate meas. in rest or exercise stress testing 2−3500
compression-reconstruction method 2−3498
data-reduction algorithm for real-time anal. 2−22561
electrodes, surface, movement-induced pots., ECG recording appl. 2−27181
fast Walsh transform ECG data compression algorithm 2−27191
foetal bradicardias automatic diagnosis, using autocorrelation function 2−11931
foetal ECG analysis, microprocessor-based signal averager 2−27186
gate signal delays, determ. method, nuclear medicine appl. 2−7329
ground-free recording with 2 electrodes 2−17384
heart-rate telemetry, short-distance, capactive, sports and health care appl. 2−11948
HF QRS, peak-to-peak amplitude 2−7326
high fidelity ECG for non-invasive low cost heart disease detect. 2−11945
Holter monitoring, review 2−7335
HP model 4700A Page Writer Cardiography 2−11926
instrumentation for resuscitation and intensive care departments in cardiological service 2−11951
interval detector for bioelectric signals 2−3488
magnetic tape storage, simplified method for physiological data retrieval and display *(German)* 2−22556
measurement sensitivity, computational assessment 2−11932
microcomputer based data acquisition systems, for body-surface potential mapping 2−11946
microcomputer-based measurement of beat-to-beat intervals and analysis of heart rate variability 2−17386
myocardial infarction estimation from unipolar epicardial QRS pots. 2−11944
noise filtering and data compression, simultaneous process, computer algorithm 2−27188
P-wave removal method, His bundle activity study appl. 2−27183
portable powerline-operated ECG recorder design, student-faculty project 2−27189
QRS complex, computerised meas. of first derivative 2−7327
QRS detector, optimal 2−17392
QRS features, method for evaluation using a math. model 2−3494
recorders of the Holter type, continuously worn machines, review *(French)* 2−7332
serial comparison using statistical signal analysis 2−3502
signal processing, high speed data compression using microcomputer and logic 2−11929
strip-chart electrocardiograms, computer-assisted meas. and classification 2−27190
vectorcardiograms interpretation through artificial learning, VITAL 2−27192

electrocataphoresis *see electrophoresis*

electrochemical analysis
see also electrochemistry; polarography; voltammetry (chemical analysis)
amperometric transducer, chromatography and flow-injection systems appl. thin-layer 2−3122
analytical chemistry, pulse voltammetric methods 2−11657
industrial water analysis using electrochemical on-line sensors 2−11450
NHKG power station, experimental operation of O_2 probe *(Czech)* 2−17962
parameter identification from impedance measurements on electrochemical reactions 2−22350
POLAROX electrochemical analyser for bleaching 2−23841
NH_3 determination as waste water and control using automatic anal. apparatus *(German)* 2−17580
O sensor, using non-metallic electrodes *(Chinese)* 2−22428
O_2 immersion sensor for dissolved O_2 electrochem. determ. in metallic melts 2−11466

electrochemical batteries *see cells (electric)*

electrochemical electrodes
see also electrochemistry
capacitance, double-layer, dispersion freq., resist. effect 2−4324
ceramic electrode for photoelectrolytic decomposition of water 2−18405
dielectrophoretic levitation, cusped electrostatic fields 2−2095
dielectrophoretic levitation, electrode geometries 2−7192
electrochemical and morphological study of the effect of temperature on the restructuring and loss of capacity of alkaline battery electrodes 2−12806
electrochemical cycling of pasted antimonial lead electrodes (positives) 2−18411
electrode materials for high-temp. solid electrolyte fuel cells 2−12835
enzyme electrodes as practical biosensors 2−17336
p-GaAs, semiconductor electrodes, laser induced photoelectrochemistry 2−12762
impedance measurements during the cycling of a zinc electrode 2−18426
Li-Al/metal sulphide battery, BN felt separator 2−7981
oxide semiconductor electrodes, photovoltage response to temp. change 2−25567
pH electrode design for overcoming calibration problems 2−11447
secondary cells, Li/$LiAsF_6$-2-Me-THF/TiS_2, electrodes morphological charcts. anal. using electrochemical and surface studies, application in spacecraft 2−12841
solid-state electrochem. cells, electrode and interface reactions, review 2−12797
n-CdS:Te, semiconductor photoelectrodes, luminescence, photocurrent 2−12763
CdSe, photoanodes, photoelectrochemical cells, energy storage 2−12764
CdSe thin film electrodes for photoelectrochemical cells, props. 2−12768
CdSe thin film electrodes for backwall photoelectrochemical cells 2−12769
Co_3O_4 sputtered electrodes, photoelectrochemistry 2−12772
CuS, positive electrode for rechargeable Li cells 2−28092
α-Fe_2O_3:Ge^{4+}(Pb^{4+})(Sn^{4+}) electrodes, photoactivity, doping effect 2−15377
$FePS_3$ cathode in Li battery, synthesis, struct. and phys. props. *(French)* 2−18449

electrochemical electrodes continued
FeS, positive electrode for rechargeable Li cells 2−28092
GaAs, photoanodes, photoelectrochemical cells, energy storage 2−12764
n-GaAs, photoelectrochemical corrosion, effect of Au monolayer 2−5649
GaAs, semiconductor electrodes in photoelectrochemical cells, surface state role 2−12761
n-GaAs, semiconductor-electrolyte interface, surface modification, photoelectrochemical cells 2−9523
p-GaP, semiconductor electrodes, laser induced photoelectrochemistry 2−12762
Li battery systems, thermodynamic aspects of the reaction of lithium with ternary positive electrode systems 2−12820
Li-organic electrolyte rechargeable batteries, TiO_2, anatase, as cathode materials 2−12785
Li-Si electrodes in molten salt cell, BN stability 2−7980
Li-Si/FeS_2 primary cell, reactive interface materials characterisation 2−7968
LiAl composite electrodes in solid state battery 2−18415
Li_xCoO_2, cathode material for batteries of high energy density 2−12792
Li_2FeS_2, cathodic material for Li secondary battery 2−18444
$Li_xV_6O_{13}$ cathode material, X-ray diffr. thermal anal. and mag. susceptibility 2−18432
Mg-MnO_2 cupric cells tests 2−18424
MnO_2-Zn cells requiring anodic limitation rechargeable, Zn powder electrodes 2−12786
MnS_2, positive electrode for rechargeable Li cells 2−28092
MoS_2 electrodes, polycrystalline and thin film, for photoelectrochemical cells 2−18413
$MoSe_2$, photoanodes, photoelectrochemical cells, energy storage 2−12764
Na-S cell, corrosion resistant current collector, tests 2−12828
Na_xCoO_2 bronzes, electrochem. intercalation of Na 2−12791
Na_xWO_3/β-Na_2O-Al_2O_3 based solid state electrochromic display 2−11557
NbS_2Cl_2 rechargeable cathode in molten $NaAlCl_4$ electrolyte, moderate temp. NaCl 2−28094
$NiPS_3$ cathode in Li battery, synthesis, struct. and phys. props. *(French)* 2−18449
NiS, positive electrode for rechargeable Li cells 2−28092
PbO_2 sputtered electrodes, photoelectrochemistry 2−12772
RuO_2-based electrochemical light switch 2−10071
n-Si electrodes in aqueous soln. photoelectrochemical cells, techniques for stabilisation 2−12770
Si, semiconductor electrodes in photoelectrochemical cells, surface state role 2−12761
Si:Cu_3Si semipermeable anode for Si electrorefining 2−24313
n-Si/metal or metal-free phthalocyanine film/electrolyte, photovoltaic cell 2−9525
SiS_2, positive electrode for rechargeable Li cells 2−28092
n-SnO_2, semiconducting electrodes, sensitisation by Ru-based dyes 2−12766
n-$SrTiO_3$, semiconducting electrodes, anodic/cathodic photocurrent transition meas. 2−10110
n-$SrTiO_3$, semiconducting electrodes, sensitisation by Ru-based dyes 2−12766
n-TiO_2, semiconducting electrodes, anodic/cathodic photocurrent transition meas. 2−10110
n-TiO_2, semiconducting electrodes, sensitisation by Ru-based dyes 2−12766
n-TiO_2, semiconductor electrodes, laser induced photoelectrochemistry 2−12762
V_6O_{13} cathode material, X-ray diffr. thermal anal. and mag. susceptibility 2−18432
V_6O_{13}, composite electrodes in solid state battery 2−18415
VS_2 rechargeable cathode in molten $NaAlCl_4$ electrolyte, moderate temp. NaCl 2−28094
n-WSe_2, semiconductor electrodes in photoelectrochemical cells, surface state role 2−12761
n-WSe_2, semiconductor photoanode, photoelectrochemical cell efficiency 2−12765

electrochemical machining *see electrolytic machining*

electrochemical polishing *see electrolytic polishing*

electrochemistry
see also electrical conductivity of electrolytic liquids; electrochemical analysis; electrochemical electrodes; electrolysis; electrolytic devices; electrophoresis
corrosion of conductors on ceramic substrates, electrochemical model 2−24820
dielectric liquids, voltage-current charact. at high fields, electrochemical cond. explanation 2−1478
electrical engineering electrochemistry lecturing *(German)* 2−8166
electrochemical H-Cl energy storage system operating parameter optimisation for minimum capital investment 2−12783
p-GaAs, semiconductor electrodes, laser induced photoelectrochemistry 2−12762
hydrocarbon electrocatalytic oxidisation using stabilised zirconia electrolyte employing Au or Pt electrodes 2−12832
industrial water analysis using electrochemical on-line sensors 2−11450
materials for advanced battery systems 2−12790
molten salt electrolyte cell for propulsion and load levelling *(German)* 2−18450
PC electroless Cu bath, continuous regeneration by electromembrane cell 2−24792
polypyrrole films, photochemically generated, protection of semicond. photoanodes 2−25156
salinity power production, concentration cell, economic potential 2−4326
solid fluorides as electrolytes, preliminary studies *(French)* 2−12775
solid-state electrochem. cells, electrode and interface reactions, review 2−12797
CdSe thin film anodes, photoelectrochem. charcts. 2−5648
Co_3O_4 sputtered electrodes, photoelectrochemistry 2−12772
n-GaAs, semiconductor-electrolyte interface, surface modification, photoelectrochemical cells 2−9523
n-GaAs-molten salt electrolyte interface, mech. of charge transfer 2−5646
p-GaP, semiconductor electrodes, laser induced photoelectrochemistry 2−12762
H_2SO_4 production by electrogenerative oxidisation of SO_2 2−12831
n-In_2O_3-electrolyte system, photoelectrochemical props. 2−5645
Li/$SOCl_2$ cathode-limited cells, ambient temp. discharge charcts. 2−28086

electrochemistry continued
Li-Al/FeS cell performance prediction equations, development by multiple regression analysis 2−12782
Li-organic electrolyte rechargeable batteries, TiO_2, anatase, as cathode materials 2−12785
LiAl-composite electrodes in solid state battery 2−18415
MnO_2-Zn cells requiring anodic limitation rechargeable, Zn powder electrodes 2−12786
$MoS_2(Se_2)$ photoelectrodes, role of electron hole recomb. 2−14666
Na-S battery development, state-of-the-art 2−12788
Ni-Zn battery for electric vehicles 2−12789
O probe for electrochem. meas. of free O content in liq. steel 2−11464
O_2 electrochemical probe, evaluation for use in steelmaking 2−16965
PbO_2 sputtered electrodes, photoelectrochemistry 2−12772
Sc_2O_3 stabilized ZrO_2 electrocatalytic role in hydrocarbon fuel cell anodic current-overpotential behaviour 2−12837
TiO_2 anodes, photocurrent spectroscopy 2−10111
n-TiO_2, semiconductor electrodes, laser induced photoelectrochemistry 2−12762
V_6O_{13}, composite electrodes in solid state battery 2−18415
n-WSe_2, semiconductor photoanode, photoelectrochemical cell efficiency 2−12765
Zn electrodeposition at high current densities, electrochemical study 2−4519
Zn electroplating processes and electrolytes, selection criteria *(German)* 2−13109
Zn-air batteries, state-of-the-art review 2−12774

electrochromic devices
display, electrode matrix form. using metal displacement reaction 2−11545
inorganic materials developments 2−11558
oligomeric viologen compounds *(Japanese)* 2−7157
passive display device development, materials *(Japanese)* 2−11549
projection display element using attenuated total refl. for high efficiency electrochem. modulation 2−1754
Li_3N thin film solid electrolytes for electrochromic devices 2−10075
Na_xWO_3/β-Na_2O-Al_2O_3 based solid state electrochromic display 2−11557
RuO_2-based electrochemical light switch 2−10071
WO_3 electrochromic display colorimetric study colorimetry; 2−15346
WO_3 photoelectrochromic device, appl. of amorphous Si 2−20689

electrochromism
lutetium diphthalocyanine film, cathodic electrochromism 2−6056
transition metal oxides, elec. and electrochromic props., review 2−25010
IrO_x, electrochromic props., display device appls. 2−11558
Li_3N thin film solid electrolytes for electrochromic devices 2−10075
WO_3, electrochromic props., displays device appls. 2−11558

electrodeposited coatings *see electrodeposits*

electrodeposited films *see electrodeposits*

electrodeposited layers *see electrodeposits*

electrodeposition
see also electrodeposits; electroplating
electrochromic display, electrode matrix form. using metal displacement reaction 2−11545
metal fluidised-bed anodes investigation 2−18808
metals, electrodeposition, substrate electronic struct. effects 2−24316
pad-on-pad elec. connectors, selective Pd deposition on dendrite fingers, electroless technique 2−1006
soar cell processing, electrodeposition by use of internal photovoltage 2−18477
CdS solar cell, polycrystalline thin film, liquid junction, performance eval. 2−7963
n-CdTe electrodeposited solar cells evaluation 2−23454
Cu foil for needs of 80s PCB industry 2−24795
$LiTaO_3$ thin film and devices grown by electrochemical reaction 2−15101
Si, amorphous, electrodeposition from $SiHCl_3$ solns. in aprotic solvents 2−13833
Si electrodeposition at temps. above melting point 2−5533
Si electrodeposition on graphite 2−5007
Si, from solutions of SiO_2 in NaF/CaF_2 and other fluoride eutectics 2−5026
Si, onto Ag, time of electrolysis effects 2−18488
V_2O_5-P_2O_5 glass melt, electrocrystn. of VO_x cpds. used in threshold switches 2−8851
Zn electrodeposition at high current densities, electrochemical study 2−4519
Zn electrodeposition from zincate bath with ultrasonic agitation 2−23817

electrodeposits
see also electroplated coatings
metal coating for electrical contacts, tribology 2−19912
Co-P chemically deposited film, mag. props., effects of activation and acceleration 2−5887
Pd electrodeposit, as substitute for Au in static connectors 2−1010
Si, electrorefining, semipermeable anode 2−24313

electrodes
see also anodes; cathodes; earth electrodes; electrochemical electrodes; electron tube components; microelectrodes; welding electrodes
auditory evoked response, wave I identification using an atraumatic ear canal electrode 2−11937
biomedical surface electrodes, movement-induced pots., ECG recording appl. 2−27181
brainstem response audiometry, improved recording technique using a meatal electrode 2−11936
dielectric breakdown of liquid He, influence of electrode materials, cryogenic equipment for spark gap cooling 2−1490
discharge electrodes for AC gas discharge display panel, protective coatings 2−1136
discharged current characts., from needle electrode, applications to thunderclouds detection 2−7172
Earth resistivity profiles, appl. of different electrode arrays over graphite deposits 2−7416
electric furnace, electrode voltage meas., DC millivoltmeter development 2−17042
electric melting of glass, graphite electrode appls. 2−18833
electrical insulation, electrolytic contamination, thermal load, non-uniform field *(German)* 2−5850
electrochromic display, electrode matrix form. using metal displacement reaction 2−11545
electrode fabrication, electroforming process, use in TEA lasers 2−20920

electrodes continued
fixed electrode system, effects on high-temp. breakdown characts., of polyethylene film 2−9789
graphite electrode of electric arc, use as high temperature standard 2−14554
graphite electrodes for CO_2 high-power CW TE laser 2−1903
heart-electrode combination pacing threshold estimation, graphical method 2−11956
high-power TWT instability rel. to vacuum pressure and electrode struct. 2−20035
hydrocarbon electrocatalytic oxidisation using stabilised zirconia electrolyte employing Au or Pt electrodes 2−12832
hyperbolic electrode, electric field research appls. *(Portuguese)* 2−10409
metal-halide lamps, electrode design used for single-choke ballast *(Japanese)* 2−8071
metallic, conduction by tunnelling across energy bands of amorphous substrate *(French)* 2−14735
modified asymptote superposition for electrochemical cell electrode polarization 2−18435
negative point-to plane corona, electrode degradation 2−9814
non-metallic electrodes, in O sensor *(Chinese)* 2−22428
normalised spherical electrodes, effect on AC dielec. strength of liquid N_2 during breakdown tests 2−1493
photoelectrochemical solar cells, photocorrosion process on n-GaAs and corrosion prevention 2−12913
plane-parallel circular rotating electric field generation, field equations and electrodes shape required 2−25896
printing by dry ink jet 2−21064
refractory carbides, emission-adsorpt. props. anisotropy 2−9356
resistance voltage divider, HV electrode design by iterative procedure 2−7174
resistor ballasted PIN-PIN anode and cathode electrodes for CO_2 16-μm bending-mode laser system 2−1902
semiconducting electrodes, stabilising by means of redox systems 2−9526
semiconductor heterojunction electrode characterisation 2−14680
semiconductors, photodecomposition, thermodynamics, kinetics, appl. to photoelectrochemical cells 2−9522
solar cell CC Ni and Cu screenable all-metal electrodes, fabrication and performance 2−12908
surface condition, effects on pressurised SF_6 breakdown field strength 2−9809
CO_2 electrode, transcutaneous, heated and nonheated, design, medical appl. 2−22528
CdO transparent electrode for electroluminescent film *(Russian)* 2−15416
MnO_2 electrodes, Li insertion stoichiometry 2−18420
Ni-Cd sealed cells, with plastic bonded electrodes, reduction of oxygen, investigation 2−23412
Pt, Pt/Ir and Ir-AIROF electrodes used in electrophysiological expts., comparison of impedances 2−27179
TiB_2 film electrode behaviour in Si vacuum deposited thin film solar cell 2−28113
TiO_2 semiconducting thin film photoelectrodes for photoelectrochemical cells 2−18406

electrodynamics
see also electron beams; electron optics; electron tubes; ion beams; ion optics; ion sources
analysis of electrodynamic stability of self-supporting conductors *(Russian)* 2−17767
charged particle motion in elec. and magnetic fields, new velocity-dependent force law appls. 2−10428
chemical fibre plants supply voltage quality determ. *(Russian)* 2−18823
electrodynamic forces in frontal parts of stator windings under fault conditions *(Russian)* 2−23296
electron, photon emission in mag. and EM wave fields *(Russian)* 2−21036
EM wave propag. boundary value problem 2−25933
free electron laser, magnetic diffusive wiggler pump 2−1824
free-electron-laser in uniform magnetic field, soln. for arbitrarily strong EM radiation fields 2−25650
indoor switchgear busbar design, electrodynamic stability under short circuit conditions *(Russian)* 2−28060
levitation forces, theory and small-scale tests 2−10422
principles of electrodynamic circuit theory *(Russian)* 2−650
radiation spectrum of charged particle accelerated along finite path segment 2−15624
relativistic and nonlinear radiation interaction/ between laser beams and plasmas 2−2156
relativistic electrons, fluctuations in energy losses by synchrotron radiation 2−25903
relativistic particles, in mag. or electric sector fields, quadrupoles, transfer matrices 2−11708
salient pole synchronous machine, electrodynamics 2−4062
stationary excitation coil, electrodynamic suspension in alternating current, EM field and losses calc. *(Russian)* 2−8033
superconducting strip, current coil interaction, electrodynamic force calc. *(Russian)* 2−1670
unfocused cylindrical electron beam, space charge wave effects 2−15623
waveguide turn with matching cuts calc. H-plane, using semi-rotation method 2−2181

electrodynamometers *see dynamometers*

electroencephalograms *see electroencephalography*

electroencephalography
see also bioelectric potentials; biomagnetism; brain
analysis, quantitative, evaluation of a syntactic pattern recognition approach 2−22560
analysis, use of coherence function 2−17385
automated data processing in expt. electrophysiology *(Russian)* 2−27172
automatic adaptive segmentation of clinical EEGs 2−3491
brainstem auditory evoked responses, fast meas. method using maximum length sequences 2−17391
classification strategy, hierarchical nonparametric, for discriminating patterns of higher cortical activ- ity 2−7336
computer anal. system, graphics-based 2−22557
data reduction by autoregressive representation and discriminant anal. procedures 2−11924
epileptic EEG, decision-theoretic and syntactic pattern recognition techniques 2−17389
epileptic patients, computer evaluation system for EEGs 2−22558
equipment test device 2−27187
evoked potential research, signal processing, averaging and modelling 2−11923

electroencephalography continued
frequency analysis, multiprocessor architecture 2−22562
intervals, spectral decomposition using Walsh and Fourier transforms 2−17383
local field non-uniformities, investigation method *(Russian)* 2−27169
microcomputer based clinical evoked response system 2−7337
microprocessor based system for background EEG activity analysis 2−17388
positive spikes, 14 and 6 s^{-1}, review 2−22554
power spectrum, Walsh vs. Fourier estimators 2−11928
recording artifacts, sources and solns. 2−22555
recording technique, practical guide 2−11919
scalp electrode location in spherical coords., plexiglas helmet 2−17382
source derivation, a new method and its importance for clinical-neurological diagnosis *(German)* 2−11920
spectral analysis, prediction and extrapolation, appls. to EEG and evoked response 2−17381

electroendosmosis *see electrophoresis*

electroerosive machining *see spark machining*

electrofluidynamics *see electrohydrodynamics*

electrofluorescence *see electroluminescence*

electroforming
electrode fabrication, electroforming process, use in TEA lasers 2−20920
flexible printed circuitry, electroforming process 2−24789
holographic gratings, blazed form. by surface waves and replication by metal electroforming 2−2042
metals and alloys, shaping of components, influence of electrical explosion of conductors in fluid *(Russian)* 2−5030
multilayer PCB manufacture, precision tolerance, high-speed electroforming machine and process 2−5440
PCB fabrication, for LSI circuits, using electroforming techniques and chemical etching 2−9303
SOS wafer, electrical interconnection form. in laser-drilled hole array 2−1008
Au-SiO_2-Au diodes, electroforming in organic gases, voltage controlled negative differential resist 2−25103

electrogasdynamics *see electrohydrodynamics*

electrohydrodynamics
dielectric fluid flowing along annular channel, influence of electric field of heat transfer 2−25893
dielectric liquid subjected to AC elec. field, behaviour of gaseous bubble 2−9785
dielectric liquids, high field behaviour of moderately pure liquids, complexities 2−1477
electrically stressed liquid dielectrics, bulk electroconvection 2−9783
insulating liquids, EHD instabilities in breakdown of point-plane gaps 2−9798
mineral oil under external bubble injection, electrically induced pressure 2−9784
streaming liquids, electrokinetic processes 2−9781
thermal EHD induction pumps for cooling oil, parametric studies 2−12946

electrojets
auroral effects on power transmission lines 2−22917
auroral electrojet modulation, ELF and VLF wave generation 2−21098
equatorial, magnetic storm time elec. field changes, VHF backscatter from plasma irregularities 2−6327
plasma instabilities spectrum anal. using HF refl. from F-region and ground 2−2141

electroluminescence
see also phosphors
AC thin film electroluminescent cells, rare earth complex dopants 2−6112
AC thin film electroluminescent devices, modelling 2−6113
amorphous semiconductors aspects of basic physics researches 2−25019
dashboards for cars using electroluminescent displays 2−4440
DC electroluminescent ZnS:Mn, Cu-powder panels 2−26912
devices, high field electrolum., comparisons and contrasts with LEDs 2−6119
Display Technology conference, Cherry Hill, New Jersey, USA (Oct. 1980) 2−23869
displays advancements, large-area, powder and film screens 2−17051
electronic displays conference, London, England (Sep. 1981) 2−18866
flat television screens, using electrolum., LEDs and liq. cryst. *(Spanish)* 2−11189
gas electroluminescenct detectors for nuclear radiation, review 2−11805
gas electroluminescent detectors for nuclear radiation, review 2−17248
high field, impact excitation and ionization 2−6097
high field, review 2−6109
metal-semiconductor junction, spatial distrib. of excited luminesc. centres 2−6110
phosphors, CuS phases 2−20736
polyethylene terephthalate electrolum. with impulse voltage 2−5858
polymers, light detection as prebreakdown phenomena 2−9797
semiconductor superlattices, electronic properties, struct. and growth techniques 2−1221
semiconductors at IBM: physics, novel devices, and materials science, review 2−20054
surface plasmon light emitter, electrically tunable, proposal 2−6108
thin film devices, appl. 2−7162
thin film electroluminescent displays 2−26908
Al-Al_2O_3-Ag tunnel junctions on gratings, light emission 2−20155
AlGaAs DH wavelength multiplexing injection laser source with graded comp. along active layer 2−1945
Au/ZnSe:Mn/n-GaAs, MBE DC electroluminescent cell with very low threshold voltage 2−10163
Au-oxide-n-GaAs struct., forward biased, electroluminesc. 2−9515
$BaTiO_3$, ferroelectric, electroluminescence phase rot., elec. field amplitude effect 2−15396
C fibre micropoint emitter, electrolum. effects associated with electron field emission 2−14564
CC ZnO, phosphor, self-activated, electroluminescence 2−25608
(Ca,Ba)S:Cu,Nd phosphor, electrolum. behaviour 2−10129
CaS:Ag phosphors, luminesc. kinetics, phosphoresc. decay, thermoluminesc., and electrolum. meas. 2−10130
CaS:R (R=rare earth), DC electrolum. 2−25613
CdF_2:Ho^{3+}-Au LED, electrolum. 2−25641
CdF_2:Mn metal-semiconductor junction, luminesc. impact excitation, spatial profiling 2−25597
CdO transparent electrode for electroluminescent film *(Russian)* 2−15416

electroluminescence continued
CdTe p-n junctions, electrolytically prepared, emission props. 2−1813
CdTe, p-n junctions, LPE grown, injection electroluminescence 2−10123
$Cu_{2-x}S$-ZnS heterostruct., electroluminescence 2−10164
GaAlAs:Sn, thin layer emitters, luminescence and Sn-X centres 2−25192
$Ga_{1-x}Al_xAs$-GaAs heterojunction lasers, reliability forecasting 2−25801
GaAs, hot electron nonMaxwellian distrib. function in mag. field, cyclotron emission study 2−24981
GaAs Schottky contacts, light emission behaviour, exptl. data 2−20728
GaAs Schottky light emitter for surface avalanching and electrolum. studies 2−15419
GaAs solar cells with distributed parameters, I-V charcts. effect of ohmic losses 2−12873
GaAs:Fe p-π-ν-n structs. current-voltage charcts. and electrolum. study 2−5617
GaAs:Si epitaxial p-n junctions, injection luminesc. 2−25642
GaAs-GaAlAs, DH laser grown by metalorganic CVD process 2−1965
GaP, deep levels in light-emitting devices, electron trap and hole trap discharge rates temp. dependence *(Japanese)* 2−14647
GaP:Bi p-n struct., electrolum. and photoresponse spectra 2−20731
GaP:Zn, O light emitting diode, quantum efficiency, electron irrad. effect 2−6120
InGaAsP DH, electroluminescence, efficiency and kinetics 2−10174
InP MIS triodes, surface controlled, as luminescent devices, surface inversion charge density meas. 2−1814
InP-InGaAsP heterostructure, electrolum. polarization due to internal strain 2−25605
InSb, photoexcited hot carriers, far IR cyclotron reson. and emission 2−24980
$InSn_xO_y$-Ta_2O_5-ZnS:Mn-Ta_2O_5-Al thin film struct., DC electrolum. 2−25598
$Pb_{1-x}Sn_xTe$:Bi; photo- and electroluminescence spectra 2−6099
Si, amorphous, p^+-i-n^+ junction, injection electroluminesc. and photoluminesc. 2−25602
a-Si:H, a-Si:F:H, Schottky-barrier diodes, elec. props. using new techniques 2−25067
Si-F-H amorphous film, Schottky-barrier and MIS solar cell appls. 2−23564
SiC:Al^+ implanted epitaxial diodes, cathodoluminescence charcts. 2−10173
α-SiC:Al^+ LED, electroluminesc. spectra fine struct. 2−25644
$Si_{18}Te_{45}As_{28}Ge_{29}$, amorphous chalcogenide IR emitting diode, optical props. 2−20762
SrS:R (R=rare earth), DC electrolum. 2−25613
(Zn,Cd)S:Ag,Cl DC electrolum. powder cell, donor-acceptor recombination luminesc. 2−25614
ZnO, annealed sputtered film, DC electroluminescence and photoluminescence 2−1794
ZnO luminophores, low-temp. studies on grain-size effect on electro-optical effects 2−24961
ZnO:DyAg, phosphors, electrolum. and photolum. obs. 2−6103
ZnS AC thin film device, electrolum. efficiency, probe layer meas. 2−1815
ZnS electroluminescent displays, large area, flat panel, fabrication technology 2−22318
ZnS, forward biased MIS light-emitting diodes with thick interfacial layer, physical processes 2−1820
ZnS phosphor powder for electrolum. panels, UV light induced ageing, photoacoustic spectroscopy study 2−6101
ZnS:Ag, Cu, Cl phosphor powders, prep. and blue electroluminesc. 2−15399
ZnS:Cu,Nd,Cl film, laser phenomena in direct current electrolum. and cathodolum. 2−10127
ZnS:Cu phosphor, relation between lattice parameter and particle size 2−15397
ZnS:Er thin film, DC electrolum., spectral intensity 2−25600
ZnS:Gd (Cu,Gd)(Mn,Gd), electroluminescent, optical props. 2−20735
ZnS:Mn, Cu DC electroluminescent displays, degradation mechanisms 2−26916
ZnS:Mn,Cu DC electroluminescent devices, LV performance 2−26914
ZnS:Mn,Er thin film, electrolum., mutual interaction between Mn and Er centres 2−25599
ZnS:Mn AC thin film electroluminescent devices 2−26915
ZnS:Mn low-threshold-voltage thin-film electroluminesc. devices utilising ferroelectric $PbTiO_3$ and PLT insulating thin films 2−25634
ZnS:Mn thin film electrolum. device, electrolum. charcts. depend. on device parameters 2−20754
ZnS:Mn thin-film devices, memory 2−6111
ZnS:Mn thin-film electroluminescent faceplate, for storage CRT display 2−26913
ZnS:Mn-Al contact as part of multilayer electrolum. element, elec. props. 2−20138
ZnS:Mn(TbF_3) AC thin film device, electrolum. mechanism 2−25633
ZnS:$YEuO_2S$ thin film, electrolum. complex centre charcts., fluoresc. and time resolved spectra 2−25590
ZnS(Se):Mn, high field electrolum., impact excitation and ionization 2−6097
ZnSe:ErF_3 thin films, electrolum. 2−15395

electrolysis
see also anodisation; electrical conductivity of electrolytic liquids; electrodeposition; electroforming; electrolytic dissociation; electrolytic machining; electrolytic polishing
metal electrowinning and electrorefining, potential of fused salt electrolysis 2−18798
photoelectrolysis cell, current-voltage characteristics 2−18408
rectifier equipment for industrial electrolysis plants, loss reduction investigations 2−12712
role of electrolysis in the regeneration of and the recovery of metal from etching solutions 2−18815
Al production, energy considerations 2−18799
Al_2O_3 anodized film, on line colour meas. during electrolytic colouring 2−26977
Cu electrorefining and electrowinning using Cu (I) solns., energy considerations 2−18795
H_2 production by water electrolysis with photovoltaic solar energy conversion 2−28108
H_2O photoelectrolysis in NaOH and NaCl electrolytes with Si photoelectrodes 2−28079
H_2O, photoelectrolytic decomposition using ceramic electrodes 2−18405

electrolysis continued
p-$Ni_{0.98}Li_{0.02}O$ as photoelectrolysis cathode, flatband pot. and band gap 2−20715
ZrO_2 solid electrolyte electrochem. cell, energy conversion at high temp. 2−12834
electrolytes
for solid electrolytes see superionic conducting materials
see also electrolysis; superionic conducting materials
alkaline battery systems, concentrated alkali electrolytes, thermodynamic properties 2−12805
coal/air fuel cell, electrolyte management 2−12845
current-induced composition gradients in molten LiCl-KCl battery electrolytes 2−12817
electrochemical H-Cl energy storage system, electrolyte concentration optimisation for minimum capital investment 2−12783
electrolytic contaminated insulation, thermal stress caused by Joulean dissipation of creepage current *(German)* 2−1516
2-methyltetrahydrofuran/$LiAsF_6$, electrolyte in Li/VO_x rechargeable cells 2−28091
molten salt electrolyte cell for propulsion and load levelling *(German)* 2−18450
molten salt electrolytes for photoelectrochemical applications, overview of laboratory work 2−12773
NASICON, ceramic solid electrolyte *(Polish)* 2−13858
nonaqueous electrolyte solutions for ambient-temperature lithium batteries 2−12777
organic insulating materials, effect of electrolyte on tracking breakdown 2−20433
room temp. O_2 sensor fabrication using LaF_3 solid electrolyte *(Japanese)* 2−16967
Al materials electrolytic polishing, electrolyte anal. *(German)* 2−18806
β-Al_2O_3, solid electrolyte, degradation mechanism 2−18448
Ca-Al/Si/FeS_2 cell employing LiCl-NaCl-$CaCl_2$-$BaCl_2$ electrolyte 2−12819
H_2O photoelectrolysis in NaOH and NaCl electrolytes with Si photoelectrodes 2−28079
Li batteries, intermediate temperature, $LiNO_3$-KNO_3 molten salt as electrolyte, investigation 2−12821
Li/TiS_2 cells role of tetrabutylammonium bromide in LiSCN-1:3 dioxolane organic electrolytes 2−4333
Li-organic electrolyte rechargeable batteries, TiO_2, anatase, as cathode materials 2−12785
$LiAsF_6$/tetrahydrofuran, electrolyte for rechargeable Li cell, use of insoluble sulphide positive electrodes 2−28092
Na-$AlCl_3$ cells using solid electrolytes with molten Na anodes and cathodes composed of S compounds and $AlCl_3$ 2−12829
Na-S cells, performance of sodium-beta alumina solid electrolyte 2−12825
$NaAlCl_4$ molten electrolyte in moderate temp. Na cell, VS_2 and NbS_2Cl_2 rechargeable cathodes 2−28094
NaS batteries, beta-alumina electrolyte manufacture and use 2−23411
Zn electroplating processes and electrolytes, selection criteria *(German)* 2−13109
electrolytes, solid *see superionic conducting materials*
electrolytic capacitors
Al, with liquid electrolytes, endurance testing under DC and AC conditions *(German)* 2−5376
equivalent circuit of electrolytic capacitor used through-etched Al foil 2−9251
nonpolarised, analog simulation of use in active filters with very low cut-off freq. *(Spanish)* 2−5288
reliability, expected working lines 2−968
testing for switching mode power supplies *(Danish)* 2−5380
testing using meas. bridge, capacity value determ. and capacitor leak detect. *(Spanish)* 2−11534
Al and Ta electrolytic capacitors, comparison 2−5383
Al, reliability tests, error causes, failure rate *(German)* 2−19903
Cu^+ ion conductive solid electrolyte based solid-state electric-double-layer elements 2−9250
Ta and Al electrolytic capacitors, comparison 2−5383
Ta, reliability tests, error causes, failure rate *(German)* 2−19903
Ta, technology trends, present status in India 2−14310
electrolytic conductivity of liquids *see electrical conductivity of electrolytic liquids*
electrolytic deposition *see electrodeposition*
electrolytic devices
No entries
electrolytic dissociation
H_2O electrolysis, gas evolution, bubble behaviour, gas fracture and electrolyte resist. 2−18417
H_2O photoelectrolysis using composite semiconductor photoanode 2−28080
H_2O vapour electrolysis, improved cell using Ir_2O_3 catalytic anodic coating 2−7962
electrolytic machining
see also electrolytic polishing
Eurospark 740 electro-erosion machine, electrochemical erosion, technology *(French)* 2−18811
laser Doppler velocimeter, appl., electrolyte velocity fluctuation determ. 2−2062
parameters controlling metal removal rate, surface finish 2−13106
electrolytic polishing
see also electrolytic machining
wire polishing, brightening 2−13114
Al materials, electrolyte anal. *(German)* 2−18806
electrolytic rectifiers
No entries
electrolytic tanks
No entries
electromagnetic absorption *see electromagnetic wave absorption*
electromagnetic compatibility
see also frequency allocation
Air Systems EMI Corrective Action Program, ASEMICAP, naval aircraft appl. 2−25995
airborne microwave measurements of western USA urban areas RF environment determ. 2−26004
aircraft navigation and attack system, of German alpha-Jet aircraft *(French)* 2−12032
American navy EW and C^3CM 2−2167
electromagnetic compatibility continued
ballistic missile defence, multicomputer systems, logic upset circumvention 2−25975
broad-spectrum and intermodulation characteristics of communications transmitters 2−21143
broadband survey meter for electric field meas. HI-3001 EMC/EMI, health, safety appl. 2−26051
cables filled with small residual gaps, dielectric conductivity effects at high fluence 2−14330
CMOS LSI frequency synthesizers, HEF4750, design problems 2−13997
commercial power main conducted susceptibility standard 2−22956
composite material aircraft EM design and synthesis, lightning and NEMP coupling 2−27250
conference, Bolkesjo, Norway, 1981, Aug. 2−18876
conference, Boulder, Colorado, USA (Aug. 1981) 2−18858
coupling EM plane wave through slot-aperture of resonant cavity 2−26008
damper and ferrite isolated data link for SGMP testing 2−17466
deep source region EMP, simulation, coupling to cylinder 2−25980
digital logic circuit grounding and interconnection, layout guidelines 2−19953
discrete bipolar semicond. devices, EM pulse failure models evaluation 2−14828
DSCS satellite, RF isolation and compatibility, MIL-STD-1541 2−26480
education at graduate level 2−26000
education at undergraduate level, automobile electronics example 2−25999
education strategy for design personnel 2−26001
electric welding hazard to spacecraft electronics, test program 2−21147
electrical equipment design, educational opportunities 2−25998
electromagnetic pulse response of EMI gasket materials 2−21146
electromagnetic pulse shielding components, transfer impedance meas. 2−21126
electronic equipment generated EMI, shielding 2−25973
electronic systems, electromagnetic incompatibility problems 2−10517
electronic systems, EMC design, levels of sophistication 2−6343
electronic test equipment, comparison of conducted emission limits of VDE 0871/0875 and MIL-STD-461A 2−22036
EM noise problems and solution in power semiconductor equipment, conf., Loughborough, England (Sept. 1981) 2−8160
EM wave safety *(Polish)* 2−3515
EMP, source region coupling to long lines 2−25978
EMP calculations, attachment rates, uncertainty effect 2−25977
EMP response single aperture spherical cavity, FFT appl. 2−26011
EMS measurement, broad band absorber lined chambers, design criteria 2−25985
enamel coated braided cable, SGEMP response and shielding effectiveness 2−14328
ESA EMC computer program, simulation of conducted EMC in spacecraft performance prediction 2−22608
external SGEMP response in X-ray deposition region 2−25982
filled composites and coated plastics, shielding effectiveness 2−21155
finite-difference EM pulse code THREDII, thin slot formalism implementation 2−15727
FM broadcast stations, proposals for more efficient spectrum utilization 2−21898
French regulations for TV and radio broadcasting and receiving centres protection from electromagnetic interference *(French)* 2−26570
frequency allocation, partial backtracking heuristic technique 2−21900
geostationary satellites, efficient utilization to reduce natural interference 2−21897
HEMP field penetration into an ideal shelter without a floor through a lossy earth 2−25981
HEXFET power supply, X-ray dose tolerance 2−24393
HF radio transmitter and receivers, tuned active antennas appl. 2−26389
high speed logic cct., design problems 2−24477
high-power transmitters, assembly and maintenance work *(German)* 2−11171
IC protection, planar multi-hole capacitor filter for a dual in line package 2−21160
loop and helical antennas, short-circuit STEMP response meas. and calc. 2−21224
magnetic field susceptibility of floppy discs and magnetic tape cassette 2−21145
medical equipment in airborne hospital, EMC program development 2−21161
microelectronic circuits, methodology for EMC analysis 2−21129
microwave absorber material behaviour in the near field, experimental study 2−21144
MIL-STD-461B, application tables 2−25984
MIL-STD-461B, EMI and EM susceptibility requirements for aerospace instruments 2−21153
military aircraft equipment EMC certification, critical systems safety determ. 2−17497
military HEMP grounding practices for equipment shelters 2−21158
missiles, model, EMP coupling 2−25983
monopole antenna, response to EM pulse with corona, transmission line model 2−26040
multiconductor braided shields, effects of grounding techniques on isolation to EM waves 2−21159
mutual coupling between thin linear antennas in presence of metallic scatterer, numerical analysis 2−10522
NAVAIR EM environmental effects and control system 2−21151
naval electrotechnical equipment testing, EMC problems, identification and solution 2−10528
noise type signal detector immunity to concentrated noise, two sided space contrast principle 2−25991
nonlinear effects models for intrasystem EMC anal. program 2−21149
overlooking obvious errors in design or production testing 2−8248
PCBs and backplanes, common-impedance coupling, characteristic impedance control, multilayer wirewrap boards 2−5434
physical relationships between interference source, coupling and receptor sections of EMC 2−25992
port spectra and nonaverage power receptor models for intrasystem EMC anal. program 2−21148
power semiconductor equipment, EMC meas., import/export of EM disturbance 2−10533
power system harmonics limits, Australian Standard AS 2279 (1979) 2−12757
printed circuit board EM field calc. 2−21150
propagation of disturbing currents along overhead lines 2−21136

electromagnetic compatibility continued
PROTEO electronic, switching system field testing *(Italian)* 2−10930
pulse balance in the phase control system of the thyristor convertor *(Russian)* 2−4298
radio spectrum usage, analysis using software tools 2−21899
radio transmitters, planning of EMC *(German)* 2−25974
radiocommunication EMC estimates, effect of fluctuations in signal, interference and noise levels of receivers, digital data transmission 2−10962
rail transit, EMC consequences of power electronics appl. 2−13035
regulations, information sources in USA 2−26003
RFI susceptibility test system, automated 2−21127
Royal Navy, EMC management in electronic equipment design 2−10526
satellite cables response to system-generated EM pulse 2−14329
satellite electronic circuits, interference protection, EM interference compatibility, noise *(German)* 2−21778
satellite power system X-ray response, anal. and test methodology 2−17450
satellite system-generated EM pulse simulation fidelity criteria 2−17464
satellites, nuclear weapon vulnerability assessment using NHEP-S, classification, categorisation and screening 2−17448
satellites survivability to nuclear weapon explosion effects estimates 2−17449
shielded flat cables for EMI and ESD reduction 2−21156
shipboard problems, MOM technique assessment 2−25986
simulation of mains interference 2−24404
spectrum characts., fundamental and harmonic, of communication transmitters 2−21142
STARSAT, anal. and research satellite, SGEMP test, high-level current injection testing 2−17463
surface electric field meas., miniature ELF probe 2−26835
susceptibility test equipment, automated 2−22087
susceptibility testing, precision radiated, improved test meteorology 2−21125
tactical communications nets, evaluation of EMC 2−21140
TEM cell, EM field distortion due to perfectly conducting rectangular cylinder 2−15750
TEM cell excitation by vertical elec. Hertzian dipole 2−15751
terminology and acronyms, logical organisation 2−21152
test cylinder, response to EMP simulator 2−25976
testing digital equipment, industrial regulatory compliance test team training 2−26002
testing electronic equipment, using TEM cell 2−15740
three-dimensional system-generated EM pulse calc. using modified fluid approach 2−15726
triaxial satellite response and separate body tesitng within SGEMP simulator 2−17465
TV reception near 500 kV power line, interference suppression techniques 2−27542
TV spectrum management algorithms 2−21896
type approval testing and production control, interpretation of limits 2−21154
US naval inservice aircraft, lightning strike, damage survey 2−27251
Ag contact closing arcs, cause of max. RFI 2−14350

electromagnetic energy *see electromagnetic waves*

electromagnetic field theory
see also electromagnetic waves; electromagnetism
absorbing boundary conditions for finite-difference approx. of time-domain electromagnetic field eqns. 2−15599
asynchronous motor, comparison of 3-dimensional and 1-dimensional calculation of the thrust of a sector motor 2−27923
(B,H) stationary fields without source and null boundary conditions in non-linear media, existence, uniqueness and stability theorems 2−21009
Biot Savart law 2−25891
courses for electrical engineering students, teaching material *(German)* 2−23917
displacement current, field theory approach 2−15603
eddy currents, in conducting circular disc and thin plate in homogeneous magnetic field *(German)* 2−15613
EM screen, planeparallel rectangular, analysis *(German)* 2−25968
external SGEMP response in X-ray deposition region 2−25982
Green's functions, eigenfunction expansions, equiv. layers of surface charge, current sheet and polarisation 2−2072
inhomogeneous medium, homogeneous multilayer approx. method, difficulties and their remedy 2−21014
integral representation of EM field vectors 2−21008
magnetic levitation, theory, results and further practical problems 2−28178
Maxwell's field equations in one and two dimensions, network analogues 2−25897
Maxwell-Hertz theory, observations regarding integral and local forms *(Rumanian)* 2−25926
optical projection lithography, implications of EM field theory 2−20162
plane EM wave propag. in time-varying medium, transform. of EM signal rel. to pulsed nature of associated EM field 2−2118
problems for undergraduates, book 2−15604
resonant EM field, sources synthesis 2−2081
simplified representation 2−15598
singularities modelling in finite-difference approx. of time domain EM field eqns. 2−6291
stationary fields without sources in nonlinear media, existence and stability theorems 2−21010
straight-cylindrical conductor carrying rectangular periodic current, skin effect 2−19895
symmetrical wave excitation, using two linked logarithmic spirals on dielectric substrate *(Russian)* 2−25935
wave propagation below anisotropic ionosphere with arbitrary geomagnetic field 2−6337

electromagnetic fields
800 MW generator bus-bars phase-by-phase screened 3-phase current conductor electromagnetic field numerical anal. 2−27870
acceleration of conductors in magnetic fields, dynamic induction mechanisms 2−10425
active power loss in thick plate generated by one side inductor heater 2−25900
axial induction motor, EM field and energy losses in ferromagnetic bed, calc. *(Russian)* 2−7837
calculation of the electromagnetic field and forces in attraction-type levitation devices 2−12995
coil moving over ferromag. layers, EM field, Fourier transform calc. 2−15602

electromagnetic fields continued
computation by finite-element parallel processor 2−15621
computer graphics appl. 2−2074
conducting earth, image approximations extensions 2−6290
cryoturbogenerator nonsteady-state electromagnetic field in presence of abrupt three-phase short circuit 2−27882
current carrying bar conductor Fourier transform anal. 2−15618
cyclotron maser instability, as resonant limit of space charge wave interaction with EM structure 2−15422
cylindrical shell, field distribution due to axial currents 2−21030
cylindrical waveguide filled with ionized gas moving at const. velocity, EM field 2−2178
design of three- and two-dimensional quasi-stationary and static electromagnetic fields in anisotropic multilayer cylindrical media *(Russian)* 2−2079
effects of a longitudinal pulsating electromagnetic field on the gas-kinetic pressure of an arc 2−28272
electromagnetic parameters effect on density and mech. props. of Al welded joints 2−28278
ELF EM fields and health risks from HV transmission lines 2−17428
flat and cylindrical conductors, EM field distribution determ. 2−9238
flux and eddy-current distribution solution by network method, expt. verification 2−6301
induction devices, circular, cylindrical, with helical windings, analysis and expt. verification 2−9254
induction pump, linear, boundary integral eqn. soln. 2−15616
inductive stirrer-metal bath system, mixing by electromag. induction *(Rumanian)* 2−18787
iris cavities, circularly symmetric EM fields theory 2−17214
isotropic E-field probe radiation monitor, EFM 5, 0.2 to 1000 MHz freq. range 2−26049
laminated ferromagnetics, effective elec. and mag. characts. determ. *(Russian)* 2−1557
laminated nonferromagnetic media, equiv. electric parameters *(Russian)* 2−15597
large turbine-generator, EM forces on armature end windings, steady state performance anal. 2−12588
lens line, submillimetre-band, field struct., expt. study 2−21012
linear motor conducting layers normal currents calc. 2−7876
linear synchronous motor, without exciters, EM field of stator coil with massive conductors, anal. *(Russian)* 2−7872
magnetic field detector, using detector coil, 741IC 2−26818
matrix equation system solns., survey of numerical methods for EM field problems 2−10455
Maxwell's equation solution for axisymmetric invariance case *(French)* 2−23757
Maxwell equations, technique for increasing resolution of finite difference solutions 2−15600
melting baths agitator inductive system, electromagnetic field anal. *(Rumanian)* 2−23795
microwave field distrib. probing, amplitude, phase and polarisation in real time 2−11599
miniature motors, effect of commutation currents on magnetic state of internal annular magnet 2−4249
multilayer medium, calc. 2−21031
near EM field in E-plane of aperture radiator rel. to phase distrib., calc. and expt. 2−10584
numerical solns., singularity/integral eqn. method 2−15601
pacemakers, risks of electrical danger in electromagnetic fields 2−27207
planar aperture antenna in inhomogeneous medium EM field, geometrical optics ray representation 2−2194
polarizabilities of electrically small apertures of arbitrary shape 2−15757
potentials utilisation for easy calc. 2−25892
power flux density in the near field of TV transmitting antennas *(Croatian)* 2−16605
printed circuit board EM field calc. 2−21150
pulsed magnet with saturable Fe, numerical simulation of quasisteady EM fields, ferromag. saturation effects 2−2102
radiating source emission and susceptibility levels determ., using TEM cell 2−3269
single-phase line with separate shielding of conductors, electromagnetic field anal. 2−21028
site selecting work for mobile communications 2−26441
stationary excitation coil, electrodynamic suspension in alternating current, EM field and losses calc. *(Russian)* 2−8033
strip conductor in stratified dielectrics, complete orthogonal functions 2−21011
strong pulsed, instrument characts. *(Polish)* 2−7086
synchronous machine, salient-pole, EM fields, digital computer model 2−18191
synchronous machine conducting plate, partial differential equation model 2−19364
synchronous machines, solid salient pole, asynchronous start-up, electromagnetic thermal and mechanical values calc. *(French)* 2−4050
time depend. charged particle in crystal, transformation modified singular spherical integrals 2−15622
torque on axially symmetric rotating metal cylinders and spheres 2−6289
TWT gyrotron, self-consistent large-signal interaction 2−14584
visual demonstration of the electric field of a coil carrying a time-varying current 2−13186
wave field near nonsingular caustic, short-wavelength asymptotic behaviour 2−15683

electromagnetic induction
see also inductance
500 kV AC transmission line, geomagnetically induced currents, effects 2−27541
acceleration of conductors in magnetic fields, dynamic induction mechanisms 2−10425
analysis of magnetic fluxes of tubular cylindrical permanent magnets *(Russian)* 2−25439
computation of the magnetic field in the air gap of the electric motor with bilateral denting *(Russian)* 2−7797
conducting cylinder within alternating series of AC fed ring windings, centring force *(German)* 2−6300
conducting disk and thin plate, EM behaviour in alternating magnetic field *(German)* 2−15612
Earth, E-polarisation boundary conditions above laterally non-uniform conductors for simple induction mechanism 2−7415
Earth, method of reducing terrain relief effects from VLF-EM data 2−22716

electromagnetic induction continued
Earth, physical principles of high-frequency induction log isoparametric sounding 2−27265
Earth, transient EM response of polarisable ground 2−3583
Earth, transient response of induction logging tool in borehole 2−17548
Earth EM induction, discovery of Detour Zn-Cu-Ag deposit of NW Quebec by airborne survey 2−17547
Earth EM induction, multifrequency Turam meas. over sulphide deposit 2−17546
Earth EM induction, numerical methods for establishing solns. to inverse problem 2−17553
Earth EM induction sounding, finite element modelling of data in three dimensions 2−3581
electrically large perfectly conducting smooth convex surface, EM field induction, antenna mutual coupling anal. appl. 2−10550
EMP interaction, wire excited by incident EM wave coupled through aperture, upper bounds on voltages at terminations 2−10518
energy saving in induction heating, practical and technical details *(Japanese)* 2−28231
ferrimagnetic plates heating, electrodynamic forces 2−28233
inductive stirrer-metal bath system, mixing by electromag. induction *(Rumanian)* 2−18787
inspection by inductive method simultaneous magnetization of test and reference samples 2−642
isotropic steel strips, static mag. curve values, dependence on orientation *(Polish)* 2−12703
laminated ferromagnetics, effective elec. and mag. characts. determ. *(Russian)* 2−1557
linear induction pump, boundary integral eqn. soln. 2−15616
linear synchronous motor, without exciters, EM field of stator coil with massive conductors, anal. *(Russian)* 2−7872
magnetic media, with arbitrary mag. permeability mag. induction depend., EM wave propag. 2−6318
melting baths agitator inductive system, electromagnetic field anal. *(Rumanian)* 2−23795
mixing systems of molten metal baths in metallurgical industry *(Rumanian)* 2−4489
ocean, anal. of EM technique for investigation of currents *(Russian)* 2−7446
operations of a three-phase transformer in pulse converters *(Russian)* 2−4279
penetration of an impulsive magnetic field into a ferromagnetic plate *(Russian)* 2−10424
resistive half plane illuminated by E-polarised plane wave 2−21032
ribbed high permeable body in the field of massive cylindrical conductor running normal to the ribs, three-dimens. boundary-value problem *(German)* 2−6299
rock core samples, anal. of elec. cond. imaging using EM induction data 2−3582
synchronous machine with three phase stator windings, transient anal. *(Russian)* 2−4058
three-dimensional mathematical model of a linear asynchronous motor with a magnetic circuit in the form of a parallelepiped *(Russian)* 2−7873
three-phase cables, losses in iron sheathing *(German)* 2−7545
three-phase gas insulated cable, loss reduction using coated steel sheath *(German)* 2−3750

electromagnetic interference
see also radiofrequency interference; telegraph interference; telephone interference; television interference
Air Systems EMI Corrective Action Program, ASEMICAP, naval aircraft appl. 2−25995
AM broadcast antenna array patterns, effect of re-radiation from highrise buildings, towers 2−26064
anti-radio noise insulator with shielded internal metal fittings for horizontal mounting on distribution lines *(Italian)* 2−27548
arcsprayed metal coating, for EM/RF interference shielding 2−593
automatic system for MIL-STD 461/462 tests 2−22088
automobile distributor, short-gap atmospheric discharge using rotor and post electrodes 2−28200
automobile ignition noise meas. using DM-4 amplitude probability distribution meter 2−26956
battery charger for electric vehicles, polyphase chopper cct. reducing ripple and EMI 2−7930
broadband survey meter for electric field meas. HI-3001 EMC/EMI, health, safety appl. 2−26051
buried resistive power lines, SREMP effects, soil breakdown, wire vaporisation 2−27512
by relativistic electron beam 2−25979
cap and pin insulator strings, pot. distrib. calc. *(Italian)* 2−22945
CCITT study of telecommunication line interference due to high-freq. transmitters 2−21139
centralised test control 2−22219
Chinese University of Hong Kong microwave and antenna research 2−21249
communication system design in a high level EMI 2−21141
contact discharge noise measuring system 2−25996
contribution to calculations of interference by thyristorised units to cables alongside a railway line 2−8048
coupling of electromagnetic fields to transmission lines 2−21168
damper and ferrite isolated data link for SGMP testing 2−17466
DC torquer-tachometer, integrally-wound, electromagnetic coupling problems and application 2−18285
deep source region EMP, simulation, coupling to cylinder 2−25980
diesel engine generators, EMI level tests 2−27775
differential line receivers, computer simulation of electromagnetic interference effects 2−21131
digital mine communication systems, useful lengths determ. rel. to data security, EM interference aspects 2−16225
domestic heat pumps, asynchronous motor driven, starting current measurement and effects on mains power supplies *(German)* 2−4472
EFM 5 monitor for RF leakage meas., 200 kHz to 1 GHz range, industrial, consumer devices appl. 2−26050
electric quadrupole moments measurement, TEM cell determination EMI appl. 2−26010
electric railways, EM interference problems 2−10530
electrical/optical communication systems interference effects and counter measures *(German)* 2−26193
electromagnetic pulse response of EMI gasket materials 2−21146

electromagnetic interference continued
Electromagnetic vulnerability testing of the tactical air reconnaissance pod system 2−21137
electronic data processing equipment, interference and prevention methods *(French)* 2−15736
electronic equipment, interference suppressors and noise prevention measures for internally- and externally-generated effects 2−6342
electronic equipment generated EMI, shielding 2−25973
EM noise problems and solution in power semiconductor equipment, conf., Loughborough, England (Sept. 1981) 2−8160
EM pulse finite-difference code THREDII, thin slot formalism implementation 2−15727
EMC, conference, Boulder, Colorado, USA (Aug. 1981) 2−18858
emission testing of electronic instruments, computer-controlled 2−21132
EMP, source region coupling to long lines 2−25978
EMP calculations, attachment rates, uncertainty effect 2−25977
EMP interaction, wire excited by incident EM wave coupled through aperture, upper bounds on voltages at terminations 2−10518
EMP meas., fibre optic data link 2−21122
EMP shielded enclosure, effectiveness of metallic honeycombs 2−25987
equivalent ccts. for transmission lines in electromagnetic environment 2−21166
external SGEMP response in X-ray deposition region 2−25982
filter insertion loss meas. system using swept frequency method 2−21123
Finnish 400/110 kV power grid disturbances over last decade *(Finnish)* 2−27467
fluorescent lamps flicker phenomena caused by audio frequency remote control pulses *(German)* 2−18742
French regulations for TV and radio broadcasting and receiving centres protection from electromagnetic interference *(French)* 2−26570
HEMP field penetration into an ideal shelter without a floor through a lossy earth 2−25981
hospitals, fluorescent lamp EM interference level meas. for operation with solid-state ballasts 2−13064
HVDC power line noise, statistical physical Class B model 2−27520
HVDC transmission convertor stations, valve design and testing, effects of EM interference, suppression 2−12726
ignition EM noise calculation, caused by plug gap breakdown 2−28201
impulse voltage generator automatic control system *(Finnish)* 2−27997
instrument design, interference immunity 2−11329
INTELSAT V, large three-axis-stabilised communications satellites, spacecraft charge protection 2−22581
interference immunity 2−11329
isotropic E-field probe radiation monitor, EFM 5, 0.2 to 1000 MHz freq. range 2−26049
lightning channel impedance calc. models for electronic systems 2−26007
loop and helical antennas, short-circuit STEMP response meas. and calc. 2−21224
low freq. electromagnetic penetration of loaded apertures 2−15758
LV consumers electricity supply voltage characts., influence of domestic and other appliances 2−27411
magnetic field susceptibility of floppy discs and magnetic tape cassette 2−21145
mains supply to electronic equipment, EMC simulation 2−24404
measurement range, Endicott, USA 2−21124
microelectronic circuits, electromagnetic interference determination 2−21128
MIL-STD-461B, application tables 2−25984
MIL-STD-461B, EMI and EM susceptibility requirements for aerospace instruments 2−21153
military HEMP grounding practices for equipment shelters 2−21158
missiles, model, EMP coupling 2−25983
motor-car trains with thyristor controls, protective device against interference of guarding safety devices *(German)* 2−23688
multiconductor braided shields, effects of grounding techniques on isolation to EM waves 2−21159
NEMP type lightning indirect effects simulator for aerospace vehicles 2−27242
network harmonics limits, Australian Standard AS 2279 (1979) 2−12757
NMOS 1K memory, susceptibility to conducted electromagnetic interference 2−19676
noise prevention using EM interference filters, primary types and insertion losses 2−6341
noise problems, screening, suppressors and correl. techniques 2−10525
nonlinear effects models for intrasystem EMC anal. program 2−21149
nuclear and space radiation effect, conf., Seattle, WA, USA (July 1981) 2−18849
nuclear electromagnetic pulse, conf., London (Nov. 1981) 2−13170
nuclear electromagnetic pulse simulation 2−15745
nuclear electromagnetic pulse threat, engineering countermeasures 2−15742
nuclear electromagnetic pulses, generation mechanisms and characs. 2−15741
nuclear electromagnetic pulses, interaction with extensive systems 2−15743
nuclear electromagnetic pulses, nuclear hardening of cables 2−15744
optical fibre bandwidth, losses, bunch problem and EMI characteristics *(Italian)* 2−21623
orthogonal array antenna system, broadband, microprocessor-controlled, for EM interference meas. 2−21245
power electronic equipment, EM interference problems, blocking of interference signals at input 2−10527
power semiconductor equipment, EMC meas., import/export of EM disturbance 2−10533
power supply distortion effects compensation and restrictions *(Polish)* 2−22851
power system networks, harmonic distortion sources 2−12143
probe excitation of a rectangular coaxial transmission line, low level emission testing using TEM cell appl. 2−26009
protective filters, incorporated in electric connectors for electronic equipment *(French)* 2−19923
PTT and electromagnetic interference protection 2−25993
quiet electric drive for deep submergence submarines appls. 2−18662
receiving antenna phased arrays, effect of combination interference due to pattern-shaping ccts on S/N ratio 2−10597
RF shielded anechoic chamber design guide, 30 to 1000 Mhz meas. range 2−26806
satellite power system X-ray response, anal. and test methodology 2−17450
satellite response and separate body testing within an SGEMP simulator 2−17465

electromagnetic interference continued
satellite system-generated EM pulse simulation fidelity criteria 2−17464
satellites, nuclear weapon vulnerability assessment using NHEP-S, classification, categorisation and screening 2−17448
satellites survivability to nuclear weapon explosion effects estimates 2−17449
shielded enclosure, interleaving cavity resonances for shielding enhancement in topologically definable spaces 2−25988
shielded flat cables for electrostatic discharge and EM interference reduction 2−9260
shielded flat cables for EMI and ESD reduction 2−21156
solid state relays, EMI induced false operation 2−24768
STARSAT, anal. and research satellite, SGEMP test, high-level current injection testing 2−17463
statistical EMI theory, experimental study radio transmission in urban areas 2−25961
switch-mode power supplies, noise sources, minimization techniques 2−12724
telecommunication line interference caused by 110 kV overhead power lines *(Rumanian)* 2−3766
TEM cell excitation by vertical elec. Hertzian dipole 2−15751
test cylinder, response to EMP simulator 2−25976
three-dimensional system-generated EM pulse calc. using modified fluid approach 2−15726
time-variable temps. measured under strong electromagnetic interference, recording methods 2−26978
TV reception near 500 kV power line, interference suppression techniques 2−27542
twisted pair, noise induced by nonuniform EM field of nearby loop 2−26378
two-wire transmission line, response to incident field and voltage excitation 2−21167
UHF data communications system for information exchange between surface computers and driverless locomotives in mine 2−16226
VHF transponder, EMI design prediction and test results 2−11015
voltage disturbances in electrical networks *(Hungarian)* 2−22870

electromagnetic lenses *see magnetic lenses*

electromagnetic oscillations
see also cavity resonators; lasers; masers; ring lasers
coaxial cavity magnetron, spurious modes, identification, field anal. 2−24871
control of postemergency conditions of power systems on capacity unbalances 2−12171
EHV transmission system containing controlled reactors, transient stability limits 2−3689
electric current absolute determination, using electromagnetic oscillations *(Slovenian)* 2−26928
generator power oscillations *(Dutch)* 2−27880
LF EM oscillations generation by field of powerful radiowave in ionosphere 2−21104
quasioptical open resonator, with rectangular large-aperture mirrors, degenerate oscill. 2−19850
synchronous machines, electromagnetic oscillations, voltage control effect on damping *(German)* 2−27888
thyristor-controlled shunt compensation in power network 2−27993
transient analysis by computer 2−17687

electromagnetic radiation *see electromagnetic waves*

electromagnetic wave absorption
see also electromagnetic wave propagation in plasma; gamma-ray absorption; light absorption; spectra; X-ray absorption
atmosphere, calc. of microwaves absorpt. by cloud and rain 2−3601
broadband microwave, materials testing for anechoic chamber design 2−5035
man, empirical relationship for near-field exposure conditions 2−11970
microwave absorber material behaviour in the near field, experimental study 2−21144
MM wave O_2 absorption spectra calc. on small microcomputer 2−25963
OTS used to obtain attenuation statistics 2−10502
pyramidal absorber with good refl. characts., design and expts. 2−21081
rain-induced attenuation at 36 GHz and 55 GHz 2−25964
RF absorber consisting of stratified resistive sheets, operation at MM-wave and microwave freqs. 2−21063
satellite link, attenuation due to rainfall and sensitivity to parameters *(French)* 2−10469
spherical absorption attenuation, consideration in microwave network design *(Hungarian)* 2−10475
VHF EM wave absorber using combination of mag. layer and lossy dielec. layers 2−21062
VLF signals propagation simulator, above and below sea level 2−21110
water vapour, structure and EM absorption 2−25937

electromagnetic wave attenuation *see electromagnetic wave absorption; electromagnetic wave scattering*

electromagnetic wave diffraction
see also electromagnetic wave propagation in plasma; light diffraction; X-ray diffraction
axially symmetrical beams in homogeneous medium 2−2121
cone of finite length 2−2148
curvilinear screen array, diffraction of plane E-polarised waves *(Russian)* 2−21071
edge-diffraction analysis, axial caustics and slope diffraction tested by modified ring currents 2−6357
finite circular cone, diffraction of electromagnetic pulse 2−21077
flat, semi-infinite dielec. waveguide, end diffr. of surface EM wave 2−21184
FM and AM pulse diffr. characts. 2−2147
gratings, classical and crossed, microwave range of diffr., expt. investigation 2−2116
hyperboloidal subreflector antenna with conical flange, GTD anal. of far-field radiation pattern 2−10571
measurement of diffraction by dielectric wedge 2−11572
optical projection lithography, implications of EM field theory 2−20162
parallel plate grating with dielec. loading, diffr. of plane wave 2−21082
perfectly conducting screen, stationary model of EM wave diffraction *(Russian)* 2−21070
plane waveguide diffraction, influence of singularity of field on diffraction problems 2−26025
resonant stop in rectangular waveguide H_{10} wave diffraction 2−928
solids of revolution, homogeneous problems in generalised method of intrinsic oscill., variational solns. 2−2120

electromagnetic wave diffraction continued
spherical waves diffraction by opaque disk with randomly rough edge 2−15681
waveguide turn with matching cuts calc. H-plane, using semi-rotation method 2−2181

electromagnetic wave diffusion *see electromagnetic wave scattering*

electromagnetic wave interference
see also atmospherics; electromagnetic wave interferometers; electromagnetic wave interferometry; electromagnetic wave propagation in plasma; light interference; Moire fringes
long bar insulators, porcelain and synthetic, behaviour as generators *(German)* 2−3774
suppression, solid state expts. in pulsed high mag. field *(Japanese)* 2−21119

electromagnetic wave interferometers
see also electromagnetic wave interferometry; light interferometers
1 mm wavelength electron density interferometer for Princeton Tokamak Fusion Test Reactor 2−22375
electron density and plasma current distrib. meas. in Tokamak plasma using sub-MM waves 2−22376
HF radio wave direction of arrival measurement, automated equipment 2−21086
integrated interferometer modulator, basis of hybrid electro-optical multivibrator operating by finite feedback delay 2−25548
microwave, dielectric slabs effective thickness meas. 2−17095
microwave, for small displacement meas. in electromagnetically semi-transparent medium 2−11626
quasi-optical scanning multiport network analyser, for millimetre wavelengths 2−26808
waveguide interferometer, for dielec. permeability meas. 2−17097

electromagnetic wave interferometry
see also light interferometry; Moire fringes
astronomy, relativistic effects in radar, optical and radio-interferometric meas. 2−6880
high-sensitivity microwave optics 2−14276
lightning VHF sources, two-dimensional interferometric positions 2−12062
line width measurement model using IC *(Slovak)* 2−11613
microwave interferometry appl. in target detect., recognition and identification for military systems 2−16498
NAVSTAR GPS, future enhanced capabilities 2−22589
operative position finding, artificial satellite appls. in navigation, geophysics and surveying, dist. meas., radio interferometry *(German)* 2−17455
radioastronomical technique for short baseline data 2−2855
very-long-baseline interferometry, geodetic appl., coherence limits 2−17561
VLBI of radio sources, appl. to geodynamics research 2−7428

electromagnetic wave propagation
see also atmospheric electromagnetic wave propagation; atmospheric light propagation; backscatter; electromagnetic wave absorption; electromagnetic wave diffraction; electromagnetic wave interference; electromagnetic wave propagation in plasma; electromagnetic wave reflection; electromagnetic wave refraction; electromagnetic wave scattering; guided electromagnetic wave propagation; light propagation; radiowave propagation
approximate boundary conditions in EM scatt. and propag. problems 2−2114
coaxial cables, EM wave propagation in thin-layered cylindrical media *(Russian)* 2−16323
cross-polarization meas. on earth-space paths at 11.7 GHz 2÷10473
dielectric doubly periodic struct., transverse electric wave propagation 2−2115
electrodynamics of media with spatial dispersion, boundary value problem 2−25933
ferrite-loaded transmission line, EM wave propag. characts. 2−10463
field distribution and radiation field of finite axial slots on circular waveguides 2−2193
gyrotropic media near dipole transition freq. 2−21072
inhomogeneity synthesis approximating to given form with low perturbations 2−15680
leaky waves supported by wire grid above a reactive surface 2−2204
lens line, submillimetre-band, field struct., expt. study 2−21012
lightning protected zone relationships with lightning conductor height *(German)* 2−27568
linear wave propag. in homogeneous and inhomogeneous media, dispersion relations 2−15677
magnetic media, with arbitrary mag. permeability mag. induction depend., EM wave propag. 2−6318
Maxwell's eqns. solns. in cylindrical coords. for axially travelling waves 2−21013
non-uniform plane wave propagation in lossy media, equivalent 4-port *(French)* 2−21069
nonlinear media, nonlinear integro-differential equation *(Russian)* 2−10358
nonlinear skin effect, plane and circular polarised electromagnetic fields penetrating a ferromagnetic conducting semispace 2−15675
nonstationary nonhomogeneous nondispersive media 2−2117
optically active and magnetoelec. media of arbitrary geometry 2−25928
plane EM wave propag. in time-varying medium, transform. of EM signal rel. to pulsed nature of associated EM field 2−2118
radiation from dipoles near finite length cylinder 2−2199
radio waves propagation in ice, rel. to detailed study of glacier beds using radio-echo techniques 2−7441
random medium, mean dyadic Green's function for two layers 2−25929
scintillation phenomena, refractive scatt. theory 2−21068
surface EM waves, excitation by diffr. grating 2−10464
symmetrical wave excitation, using two linked logarithmic spirals on dielectric substrate *(Russian)* 2−25935
synchronous machines, non-salient pole, electromagnetic wave propagation calc. in slots with flat conductors 2−27898
VHF/UHF field strength computerised prediction system, grid-coordinate terrain inf. appl. 2−2878
wave field near nonsingular caustic, short-wavelength asymptotic behaviour 2−15683
waves in randomly inhomogeneous annular systems, statistical anal. 2−2122

electromagnetic wave propagation in plasma
see also ionospheric electromagnetic wave propagation; light propagation in plasma; magnetospheric electromagnetic wave propagation
ACT-1 toroidal device, plasma heating by wide $k_{\parallel}$ spectrum waveguide system 2−15721
collisionless plasma, nonlinear phenomena study in HF heating expt. 2−10512
cylindrical waveguide, containing magnetoactive plasma, EM wave propag. 2−5335
dipole field scattering by moving plasma column 2−21113
ionosphere radiowave, scattering by equatorial and high latitude waves and irregularities 2−15695
lower hybrid wave nonlinear coupling 2−15719
lower hybrid wave penetration and effects on electron population 2−15720
microwave propagation in magnetised plasmas by high-density 2−10501
microwave-plasma interaction, stimulated Brillouin scatt. studies using microwave source 2−10513
radially inhomogeneous plasma sphere, backscattering diffr. effects 2−2159
radiowave scattering by radially diffuse plasma cylinder *(Russian)* 2−15723
ray trajectories of EM modes radiation from inhomogeneous magneto-plasma, theory 2−10516
reflection from boundary between moving and stationary media 2−2158
reflection from layer of inhomogeneous strongly-absorbing plasma with temp. nonuniformity along probing direction 2−2160
relativistic and nonlinear radiation interaction/ between laser beams and plasmas 2−2156
scattering by surface of plasma in presence of charged particle beams 2−2161
three-wave decay interaction intensity *(Russian)* 2−21115
toroidal plasma, propag. and heating by electron cyclotron waves 2−15722
wave amplification in a plasma with a spatially periodic magnetic field 2−21114
wave propagation below anisotropic ionosphere with arbitrary geomagnetic field 2−6337
whistler wave propagation expts. using magnetized plasma device *(Japanese)* 2−15718

electromagnetic wave reflection
see also electromagnetic wave propagation in plasma; light reflection; X-ray reflection
biaxial crystal boundary, threshold peculiarities in waves reflected and refracted 2−25934
boundary between moving and stationary media 2−2158
boundary between two absorbing materials, relationship between EM energy refl. and transmission coeffs. 2−2119
concentric ring arrays as freq. selective surfaces 2−15791
coordinate-free approach to wave reflection from an anisotropic medium 2−21074
EM wave propagation in gyrotropic media near dipole transition freq. 2−21072
glacier beds, radio waves refl. rel. to detailed study using radio-echo techniques 2−7441
inhomogeneous slab, reflection and transmission functions 2−10462
ionosphere, D-region partial reflections, amplitude statistics 2−25949
ionosphere, model of partially scattered field with completely displaced spectrum 2−2128
microwave reflection coeff., meas. by quasi-optical meter *(Russian)* 2−26950
MM-wave reflection and transmission meas. of textile materials at normal incidence 2−22378
plane wave scattering from infinite loaded dipole planar array over lossy half space 2−2201
propagation of an electromagnetic wave along the surface of the sea *(German)* 2−15676
quasimonochromatic outgoing radiation pulse reflection by random surface, diffractal echoes 2−10459
radar echoes from pre-monsoon squalls over Dum Dum, India, 1975 to 1979 2−3603
radio-relay link path, reflected ray characteristic parameters, differential distortions *(Italian)* 2−6887
radiowave propagation in ionosphere, freq. dispersion during transmission and refl., review of theoretical studies 2−10477
Rayleigh methods in reflection by grating, power balance and integrated-square errors 2−10458
spherical wave refl. from perfectly conducting surface of revolution 2−10457
statistically rough suface, width of wave reflection pattern 2−15682
subharmonic Bragg effects in almost periodic media 2−15679
thunderstorms radar echoes, relation of radar-estimated rainfall to satellite-based intensity 2−7434
turbulent atmosphere with discrete scatterers, refl. wave coherence function saturation effect 2−21076
vacuum transmission line, magnetic self-insulation waves reflection 2−2172

electromagnetic wave refraction
see also electromagnetic wave propagation in plasma; light refraction
atmosphere, Doppler radar meas. of clear air turbulence at 1290 MHz 2−7432
atmosphere, radio refractivity over equator and S. Arabian Sea from Monex-1979 data 2−3602
atmospheric effects, range-height-angle charts with lookdown capability 2−25927
biaxial crystal boundary, threshold peculiarities in waves reflected and refracted 2−25934
curved dielectric interface, geometrical optics soln. 2−21067
EM wave propagation in gyrotropic media near dipole transition freq. 2−21072
scintillation phenomena, refractive scatt. theory 2−21068
troposphere, refr. correction for appl. of NAVSTAR Global Positioning System to geodesy 2−7409

electromagnetic wave scattering
see also backscatter; electromagnetic wave propagation in plasma; light scattering; X-ray scattering
6-m band amateur radio *(German)* 2−10474
antennas, broadband equivalent circuits for energy collecting structs., positive-real function aspects of equiv. admittance for SEM method 2−2183

electromagnetic wave scattering continued
approximate boundary conditions in EM scatt. and propag. problems 2−2114
backward radio wave scattering by sea surface, spectra study 2−25960
bistatic scattering by three-sided pyramid, appl. of GTD-MM technique, results for radar cross-sections 2−2109
bistatic wave scatt. from layer of Rayleigh scatterers with irregular interface 2−10456
buried cylindrical inhomogeneity inside lossy Earth 2−25932
centimetre and millimetre wave scattering due to rain and hail, summary of studies 2−10468
composite cylinder scattering of plane wave 2−2150
dielectric solids, space-time integral eqn. approach 2−21065
EM scattering by buried or partly buried body of revolution, unimoment method 2−2124
field distribution and radiation field of finite axial slots on circular waveguides 2−2193
finitely conducting rough surface, anal. using specular point theory 2−2111
ground scattering in microwave links 2−2137
high-frequency signal propagation and scattering in guiding channels 2−10547
hydrometeor scattering of microwaves and MM waves 2−10490
induced current on resistive half plane 2−21032
inhomogeneity synthesis approximating to given form with low perturbations 2−15680
inhomogeneous fixed obstacles, EM wave scatt. theoretical study 2−2107
integral equation for EM wave scattering from dielectric cylinder 2−21079
inverse scattering of layered and dispersionless dielec. half-space, use of refl. data from plane waves at normal incidence 2−2108
inverse scattering theory, Bojarski identity 2−21066
inverse scattering theory of ionospheric radiowave propag. 2−10507
ionosphere, artificial discontinuity excitation of HF radiation with oblique beam radiowave scatt. *(Russian)* 2−25958
ionosphere, auroral, radar waves incoherent scatt. 2−7431
ionosphere, model of partially scattered field with completely displaced spectrum 2−2128
matrix equation system solns., survey of numerical methods for EM scatt. problems 2−10455
microwave, from simulated hailstones in an open resonator 2−3261
microwave scatterometer for terrain surface meas. *(Japanese)* 2−3578
microwaves scattering meas. in parallel-plate configuration, minicomuter-controlled 2−22371
mutual scattering meas. between spheres using microwave open resonator 2−21088
one-dimensional scatt. at plane boundaries at normal incidence, use of De Smedt construct, comment and reply 2−2113
optimal polarization concept in radar imaging, remote sensing 2−17557
planar dielectric waveguide step discontinuities, scatt. problem for TE and TM modes, variable-bound approach 2−10546
plane EM wave scattering by thick lossy dielectric slab 2−10465
plane EM wave scattering from eccentrically coated metallic sphere 2−6320
plasma sphere, radially inhomogeneous, backscattering diffr. effects 2−2159
probabilistic theory, horizontal polarisation 2−10460
probabilistic theory, vertical polarization 2−10461
radar, imaging and target identification, physical optics inverse scatt. Radon projection 2−11108
radar scattering from rough surfaces, vegetated areas, conf., Alpbach, Austria, 1981, Mar. 2−18868
radar surveillance of sea-state, surface current and surface wind 2−22736
radar target signature identification, appl. of EM scatt. technology and computation techniques 2−26534
radiowave scatter suppressor, scatter coeff. meas. 2−3266
random phase screen, non-Gaussian scatt. 2−6319
Rayleigh scattering and power conservation 2−2110
rectangular waveguides, resonant scattering of EM waves by thin conductors 2−24645
remote sensing scatterometer system operations, development 2−17589
resonance scattering of EM modes, in waveguides with periodic irregularities 2−2180
SAR imaging of moving surfaces, ocean appl. 2−16508
scattering properties of an antenna using rapid swept-frequency mesurements 2−2197
scintillation phenomena, refractive scatt. theory 2−21068
singularity expansion method, physical content 2−6846
by surface of plasma in presence of charged particle beams 2−2161
surface scatter model theories, review 2−15714
synthesized obstacles with a small scattering cross section in the field of a plane wave 2−2123
target reconstruction from 3-dimensional far field multistatic scattering data, new approach 2−2823
thick imperfectly conducting half-plane, exact solution 2−2125
three-dimensional relativistic scatt. by object in uniform translational motion 2−15678
time domain scattering from open thin conducting surfaces 2−21075
transform theory of propagation, diffraction in deterministic environments, computer solutions 2−25936
two-dimensional multiple scattering theory appl. to diffraction by polygonal cylinder 2−21078
variational principles and functions in EM wave scatt. 2−2112
VHF radar, specular echoes, Fresnel scattering model 2−26520
volume scatter model theories, vegetation, snow and sea ice studies appl. 2−17577
waveguide-dielectric resonator with complex boundaries separating dielectric medium, wave scattering at interface *(Russian)* 2−24663

electromagnetic wave transmission
see also light transmission
boundary between two absorbing materials, relationship between EM energy refl. and transmission coeffs. 2−2119
concentric ring arrays as freq. selective surfaces 2−15791
dichroic plate thickness, influence on polarisation of transmitted electromagnetic waves 2−15755
MM-wave reflection and transmission meas. of textile materials at normal incidence 2−22378
OTS, RF performance tests made by ESA, results and conclusions 2−10506
RF classical transmission tests, results and conclusions 2−10505

electromagnetic waves
see also bremsstrahlung; Cherenkov radiation; electromagnetic field theory; electromagnetism; heat radiation; microwaves; solar radiofrequency radiation; sunlight; synchrotron radiation; transition radiation; whistlers; X-rays
by relativistic electron beam 2−25979
deep source region EMP, simulation, coupling to cylinder 2−25980
electromagnetic coupling between apertures and biological structures 2−22574
finite length dipoles above stratified planar structures for medical therapy and diagnostics 2−21221
Fourier transforms, time and space 2−10454
localised wave pulses in dispersive media, controlled nonlinear nonstationary evolution 2−21073
materials testing, eddy current inspection, EM square wave oscills. 2−8861
radiation spectrum of charged particle accelerated along finite path segment 2−15624
relativistic electron beams, EM waves steady-state parametric excitation 2−2094
time-domain calibration techniques for waveform measurements 2−11561
variational method of waveguide struct. calcs. 2−15756

electromagnetism
see also electric fields; electrodynamics; electromagnetic field theory; electromagnetic induction; electromagnetic oscillations; electromagnetic waves; magnetic fields; magnetism
charged particle motion in elec. and magnetic fields, new velocity-dependent force law appls. 2−10428
Maxwell's eqns. solns. in cylindrical coords. for axially travelling waves 2−21013
Maxwell equations, technique for increasing resolution of finite difference solutions 2−15600
modern electricity/electronics, book 2−4573
moving current contours, electromagnetically connected, optimal interaction *(German)* 2−27847
Naples University physics course including Maxwellian equations and 1st and 2nd principles of thermodynamics *(Italian)* 2−4581
theory rel. to standards 2−8934
time depend. charged particle in crystal, transformation modified singular spherical integrals 2−15622

electromagnets
see also coils; superconducting magnets
actuator for left ventricular assist device 2−11966
air-cored electromagnetic coils, optimisation for application to whole-body NMR im aging 2−10449
Antiproton Accumulator, magnet fabrication and structural design 2−7262
Antiproton Accumulator magnets, automatic measuring system 2−7263
bisphenol A epoxy resin props. for radiation-resistant magnet coil insulation 2−2104
Bitter multicoil magnets, calcs. and operating experience 2−6309
Bitter-type toroidal field magnet for ZEPHYR 2−6310
bow-shaped toroidal field coils 2−6314
characteristics and stability of a magnetic suspension with pulse-width current control in the electromagnet *(Russian)* 2−18674
computer modelling of an electromagnetic suspension *(Russian)* 2−18673
conference, Hakone, Japan (Sept. 1980) 2−13151
continuous high magnetic field production, review of devices *(Chinese)* 2−21058
CRT stator deflection yoke, low capacitance 2−24884
Daresbury Synchrotron Radiation Source, multipole magnet design and testing 2−7261
DC electromagnetic grabs, indirect method for determining carrying force *(Rumanian)* 2−25912
DC electromagnets, overvoltages and transients due to switching highly inductive ccts. *(French)* 2−25913
DC electromagnets with simultaneous demagnetisation, overvoltage limiting cct. *(Czech)* 2−13936
design of magnetic systems for electro-magnetic pulleys with ferromagnetic shields *(Russian)* 2−2098
design of plunger electromagnet with two working gaps 2−2103
electromagnetic solid state switch based on Hall effect and mag. cct. 2−19915
FT U Tokamak, LN_2 cooled magnet, stress anal., reliability problems 2−6311
high field magnet, mechanical stresses, layer model calcs. 2−15655
high-current density coils for high-radiation environments 2−2100
high-order spherical magnetic multipoles for surface confinement of plasma 2−6313
large acceptance spectrometer magnet 2−7297
large aperture analysis magnet with Al coils 2−7300
leakage inductance of electromagnet shading coil (intra-slot parts) 2−15653
levitation systems, electromagnet supply form controlled-current source, stability anal. 2−28155
magnetic electron lenses and electromagnets, finite element anal. for mag. field distrib. calc. 2−2087
magnetic levitation electromagnets, testing at Vitry, in France *(French)* 2−12997
magnetic levitation high speed transport systems, electromagnet control 2−28181
MAMI microtron, beam optics and magnet technology 2−7250
periodic magnets for undulators and free electron lasers 2−6316
poloidal coils and transformer core for JET−design and manufacture 2−5952
proton target 'frozen' polarisation electromagnets 2−27025
pulse magnet, design using wire of known cross-section *(Chinese)* 2−10448
pulsed high mag. field generation and application 2−15657
pulsed magnet with saturable Fe, numerical simulation of quasisteady EM fields, ferromag. saturation effects 2−2102
sectorial, leakage flux effects in mag. field inhomogeneities 2−7197
sectorial electromagnet, mag. field inhomogeneity 2−17202
shimming, computer-aided design techniques 2−21059
small Bitter magnet, design, construction, test for hybrid mag. core 2−25916
steam power station condensate electromagnetic filter, proving tests 2−17987
strong and ultrastrong mag. field generation 2−15281
TEXTOR magnet system 2−6306

electromagnets continued
Tokamak magnet, electrical insulation tests after mechanical stresses at −196°C and 23°C 2−2101
vehicle with electromagnetic suspension, mathematical model 2−28180
ZEPHYR Bitter type toroidal field mag. stress anal. 2−15654
Al anodised strip excitation coils for LEP magnets 2−7264
Fe separators with ferromagnetic shunts, analysis and mathematical model *(Russian)* 2−25914

electromechanical effects
power systems, optimal decentralized damping of low-frequency oscillations under control energy constraints 2−3696
PTFE insulating material, mech. and elec. lifetime-under-load at cryogenic temps. 2−20464
sensors, development trends 2−26814
CdS, anisotropic cond. after plastic deform. and cond. along dislocations 2−24985
$PbZrO_3$-$PbTiO_3$:MnO_2 solid solns., piezoelec. props. rel. to chem. comp. near morphotropic phase transition 2−5845
$Pb(Zr_xTi_{1-x})O_3$:Nb^{5+}(Sb^{5+}) ceramics, wet or dry method prep., struct. and piezoelec. props., effect of initial Pb content 2−5844

electromechanical filters
No entries

electrometers
see also charge measurement
absolute electrometer for measuring voltages from 50 to 150 kV *(French)* 2−17033
advantages over conventional DMMs 2−22296
digital, electrometer for high DC voltage meas. *(German)* 2−17063
integrating electrometer for current meas. in range 10^{-16} to 10^{-10} A 2−11574
low ionisation current meas., dosimetric problem 2−11824
preamplifier for measurement of voltage, current and resistance on high resistivity materials 2−3206

electrometry *see electrometers*

electromigration
bipolar transistors, forward beta degradation and electromigration as reliability failure mechanisms 2−9632
metallisation, electromigration failure model, Monte Carlo calcs. 2−14809
NMOS LSI, electro-thermomigration of Al metallisation 2−15034
Al alloy metallization for IC 2−14806
Al metallisation, electromigration meas. techniques for grain boundary diffusion activation energy 2−14805
Al poly-Si composites, electromigration 2−9588
Al/Cu conductor stripes with polyamide passivation, electromigration 2−14807
Al-alloy films, metallisation, electromigration testing 2−9590
Al-Cu metallisation, increase in current carrying capability using pre-deposited Cr-Cr_2O_3 cermet underlay 2−14811
CdS, ionic processes occurring under combined action of illum. and elec. field 2−20719
GaAs power FETs, failure modes, ohmic contact electromigration and formation of refractory oxides 2−14886

electromotive force *see electric potential*

electron accelerators
see also betatrons; electron ring accelerators; microtrons
beam, ang. velocity, RMS spread, meas. from synchrotron radiation 2−11721
beam noise characteristics in linear accel. 2−27018
Canadian high energy electron ring to study the microcosm at 10^{-18} m 2−17191
CHEER, synchrotron radiation possibilities 2−17193
CHEER injection system 2−17192
CHEER RF system 2−17205
electron beam device for extracting particles into longitudinal inhomogeneous plasma 2−11714
electron beam device for extracting particles into longitudinal inhomogeneous plasma 2−17208
ETA gun characts. 2−3359
GELINA, pulsed neutron source improvement 2−7272
high beam-current accelerators, research program in US, review 2−3312
high current relativistic electron accelerators, vacuum diodes, stability of operation 2−27016
HV pulse generator, high-power 2−17226
LELA undulator design 2−11710
LEP, polarised electron/positron beam prospect survey 2−27009
linear, 500 MeV MEA accelerator of section K of NIKHEV *(Dutch)* 2−3311
linear, picosecond single pulse, injector development 2−7246
linear accelerator, single bunch electron beam radiation loss expt. obs. 2−7251
linear accelerator-based cold neutron source 2−27022
optical cavity modes, relativistic electron acceleration 2−3307
optical klystron description and physical mechanism 2−1828
relativistic, digital codes for current and voltage pulses 2−11424
relativistic, digital codes for current and voltage pulses 2−16919
secondary-electron emission in the accelerating cavity of a microtron 2−22459
SLAC linear collider for e^+e^- physics 2−11723
storage ring, low-freq. transverse charge oscills. *(Russian)* 2−17211
storage ring machines props. and limitations, e^+e^- annihilation expt. 2−7247
surface coating curing electron beam accelerator appls. 2−23812
synchrotrons, internal electron beam angular divergence reduction 2−3341
Tonus-Vera electron accelerator for protons collective accel. study 2−3313
two-magnet doubly achromatic beam deflection system for electron linac beam 2−7249
UHF injector for linear electron accelerator 2−27024
VEPP-4 storage ring absolute energy calibration and ψ, ψ' meson mass meas. *(Russian)* 2−27019
e^+e^- colliding ring, beam-beam luminosity limits 2−17210

electron affinity
Au-InP Schottky diode, elec. characts. 2−14829
CdZnS-Cu_2S thin film solar cells, 10% conversion efficiency 2−20088
GaAs photocathode with neg. electron affinity, photoelectron spectra 2−9355
$Ga_{0.9}In_{0.1}As$ photocathode with neg. electron affinity, photoelectron spectra 2−9355
p-$Ni_{0.98}Li_{0.02}O$ as photoelectrolysis cathode, flatband pot. and band gap 2−20715

electron avalanches
optical material destruction in crossed Nd^{3+}:YAG laser beams of various frequencies 2−20930
$HgBr_2$/HgBr dissociation laser, elec. beam preionised 2−6152
PbO-SiO_2-Al_2O_3 fritted glass, dielec. breakdown and device evaluation 2−15043
SF_6, point-plane corona pulses 2−15048

electron beam applications
see also electron beam deposition; electron beam lithography; electron beam machining; electron beam welding; radiation therapy
discharge lasers, pulsed electron beam control, review *(Rumanian)* 2−15459
electrostatic precipitator test geometry, electron beam ionization, stability of secondary ionization 2−10445
high-power electron beam commutator, using centrifugal electrostatic beam-shaping, design 2−2092
laser, broad band, electron beam pumped 2−20790
low-energy electron magnetometer for terrestrial and aerial mag. field meas. 2−3604
materials processing, conf., Boston, USA (Nov. 1980) 2−23890
materials processing, electron beam generation systems 2−25130
MOSFET fabrication in poly Si films recrystallised by CW electron beam heating 2−9655
Mylar electrets, high-resolution probing of space-charge densities using electron beam 2−5848
optimal pumping conditions allowing for ang. divergence of radiation 2−1897
paint curing, inertising equipment aspects 2−28287
relativistic electron beam, source region EMP prod. 2−25979
Schottky-barrier diodes, forward voltage reduction 2−20227
selfshielded electron processor, for extrusion coat wire appl. 2−18994
semiconductor device fabrication, electron beam appl., lithography and annealing, review 2−20181
semiconductor processing, fund. mechanisms, review 2−25125
semiconductor wafer, chip site in-process inspection, scanning electron beam system 2−1410
semiconductors, ion implantation radiation damage annealing by light and electron beam irrad. *(German)* 2−14790
surface coating curing 2−23812
ultra-fine structures, high-speed fabrication 2−9532
vinyl chloride, electron-beam initiated destruction in carrier gas 2−17581
VLSI dynamic RAMs electron-beam testing 2−19692
AuGe/Pt pulsed electron beam alloyed ohmic contacts on GaAs reliability 2−1229
CO electron-beam-controlled discharge laser, kinetics and energy characts. 2−20798
CO pulsed high-pressure laser, electron-beam-controlled 2−20799
CO pulsed laser, electron-beam-controlled, active medium heating influence 2−25716
CO_2 amplifiers, electron-beam-controlled, inversion recovery following saturated extraction 2−1905
CO_2 electron-beam-controlled discharge lasers, review 2−20797
CO_2 electron-beam-controlled discharge laser, kinetics and energy characts. 2−20798
CO_2 laser, electron beam controlled, small signal gain and uniformity meas. 2−6163
CO_2 laser, electron beam ionisation, efficiency reflected electrons effect 2−25720
CO_2 laser, electron-beam ionisation, electron beam economy, pump pulse shape effect 2−10241
CO_2 pulsed laser, electron-beam-controlled, operating regime optimisation 2−20800
CO_2 pulsed laser oscillators, electron-beam-controlled, theory and expt. comparison, four-temp. model 2−20804
Cu vapour laser, electron beam controlled discharge 2−25719
$Ga_{0.68}Al_{0.32}As$:Te(Zn) laser pumped by electron beam, cathodolum. and threshold current density, doping influence 2−6229
$Ga_{0.7}Al_{0.3}As$-GaAs heterostructure laser, electron-beam-pumped, operating at low accel. voltages 2−20906
$Ga_{1-x}Al_xAs$ electron-beam-pumped laser, oxide film influence on threshold current density 2−20943
H_2 electron-beam-controlled discharge laser, kinetics and energy characts. 2−20798
HD VV 2−20798
HF-DF chemical laser, pulsed, magnetically confined electron beam initiation 2−25668
He-H_2 recombination laser excited by continuously operating electron beam, impracticability 2−1883
KrF laser, electron beam excited, output performance, computer simulation 2−25691
KrF laser, electron-beam-excited, 1.6 GW $litre^{-1}$ atm^{-1} pump power density 2−25711
Si, ion implanted, pulsed electron beam apparatus and annealing 2−9408
Si polycryst. on SiO_2, recrystallisation by dual electron beam processing, lateral seeding technique 2−24311
Si solar cells, ion-implanted, effects of laser and electron beam annealing 2−18502
XeBr* excimer laser with electron beam and discharge excitation, radiation characts. 2−20786
XeCl laser, electron beam ionisation, efficiency reflected electrons effect 2−25720
XeCl long-pulse electron-beam excited laser performance, kinetic model 2−20791
Xe_2Cl laser, broad band, electron beam pumped 2−20790
XeCl* excimer laser with electron beam and discharge excitation, radiation characts. 2−20786
XeF laser, broad band, electron beam pumped 2−20790
XeF* excimer laser with electron beam and discharge excitation, radiation characts. 2−20786
XeF*-XeBr* laser, pumped by electron-beam-stabilized discharge 2−10238
ZnSe single-crystal film laser screens on sapphire, stimulated emission 2−25759
ZnTe single-crystal film laser screens on sapphire, stimulated emission 2−25759

electron beam deposition
Ga_2Te_3 thin films, prep. and elec. props. 2−5592
Nb electron beam evaporated conducting thin films, current-induced physical props. 2−8829

electron beam deposition continued
Nb-Ge film, prep. and anal. by electron beam co-evaporation *(Chinese)* 2−19432
Pt-SiO_2-n-Si solar cells, elec. characts. *(Japanese)* 2−18481
Si, heteroepitaxial growth on $MoSi_2$ by electron beam evaporation 2−568

electron beam effects
see also beta-ray effects; cathodoluminescence; plasma-beam interactions
charged spacecraft dielectrics, internal breakdown 2−22582
cyclohexanone, electron beam current penetration in semi-infinite slab 2−13864
high-altitude spacecraft during June 1980, enhanced radiation dose effects 2−22639
I^2L ADC AD571, ionising radiation effects, SEM anal. 2−14187
materials processing, conf., Boston, USA (Nov. 1980) 2−23890
MOS capacitors, radiation-induced voltage shift meas. 2−14704
MOS capacitors annealing with implications for test procedures to determine radiation hardness 2−14703
Mylar electrets, high-resolution probing of space-charge densities using electron beam 2−5848
Myler thin film, surface flashover arc orientation 2−20438
NAND gates, transient electron radiation upset, temp. depend. 2−19624
NMOS process, submicron transistor fabrication, radiation effects of electron-beam lithography 2−15010
operational amplifier, total dose radiation resist., nitride passivation effects 2−13982
organotin films, amorphous, semiconductive and conductive, form. and props. 2−19448
polyimide PMDA-p,p′-ODA simulated space radiation effects, IR spectroscopic anal. 2−13863
PTFE, irradiation effects on charge storage and cond. 2−5860
semiconductor, ion-implantation-induced defect annealing using electron and laser beams *(German)* 2−20210
semiconductor thin film, minority carrier bulk diffusion length determ. by SEM-EBIC 2−14832
semiconductors, conference, Oxford, England (April 1981) 2−13150
semiconductors, direct gap, minority carrier lifetime, electron beam induced current study 2−24971
solar cell fabrication, pulsed electron beam annealing, apparatus and technique 2−23576
spacecraft charging induced discharges, voltage gradients in solar array cavities as breakdown sites 2−23425
spacecraft charging tests using multiple electron guns, NASCAP simulation 2−22611
spacecraft model testing in combined environmental simulator 2−22610
Teflon, dielectric charging, straggling and soft X-ray irradiation effects 2−21016
Teflon in MIM structure, charge storage and transport in electron-irradiated and corona-charged dielectrics 2−20154
time dependence of the radiation-induced conductivity 2−5861
AlGaAs/GaAs solar cells, high efficiency with high resist. to radiation damage by 1 MeV electrons 2−18585
GaAs MESFETs, microwave noise due to deep levels 2−1391
GaAs, minority carrier lifetime, electron beam induced current study 2−24971
GaAs solar cells, electron and proton damage coefficients and thermal annealing 2−23507
n-GaAs tunnel diode, excess current behaviour, electron irrad. effects 2−20232
GaAs:Se, electron beam annealing, multiply-scanned beam method 2−1170
GaAs:Se, electron beam annealing, multiply-scanned beam method 2−5546
GaAs:Si, implanted, multiply scanned electron beam annealing 2−24955
GaP:Zn, O light emitting diode, quantum efficiency, electron irrad. effect 2−6120
GaSe, γ-neutron and electron irrad., photosensitivity 2−9476
p-$Hg_{1-x}Cd_xTe$, electron irrad. and annealed, carrier lifetime and recomb. props. 2−9439
InGaAsP-InP DH LED, accelerated aging and high temp. degradation 2−6117
In_2O_3 coated mirrors to eliminate spacecraft surface charging 2−20709
InP:Si, ion implanted, electron pulse annealing with minimal P loss 2−14781
NaCl crystal etching at 2 nm size scale, in situ meas. of contrast curves for electron beam vaporisable resists 2−20310
Pd-GaAs Schottky diodes, current-voltage and capacitance-voltage characts., electron irrad. effects 2−9500
Si, amorphous, electron bombardment induced conductivity 2−5575
Si, amorphous implanted, phase transitions produced by pulsed laser or electron irrad. 2−25129
Si avalanche photodetectors, crystal defects, electron channelling imaging with SEM 2−9483
p-Si, electron irrad., Hall mobility, pot. relief analysis 2−5536
Si, electron irrad., minority carrier lifetime meas. 2−24946
Si, electron irradiated, drift mobility, temp. depend. 2−5541
Si epitaxial layer solar cell performance under electron irrad. 2−23503
Si high-resistivity n^+pp^+ solar cells, performance under 1 MeV electron irrad. 2−23504
Si sheet materials, fabrication of solar cells using 1 MeV electron irradiation 2−23517
Si, solar cell, n^+-p, electron irrad. and annealing effects 2−4339
Si solar cells, advanced design, electron irrad. test for space production units 2−23502
Si solar cells, electron and proton damage coefficients and thermal annealing 2−23507
Si solar cells, thin high-efficiency implementation, processing yields, electron, proton and neutron irrad. testing 2−18561
Si solar cells, vertical junction, electron radiation tests 2−18583
Si wafer, low power electron irrad. with conventional electron gun, heating effect numerical simulation 2−14618
Si:As, CW laser and electron beam annealed, Rutherford backscatt. and SIMS anal. 2−25108
Si:As, implanted, laser or electron beam annealed, defect form., electron beam induced current study 2−25139
Si:As^{2+}, ion implantation, scanned electron beam annealing 2−1159
Si:H, amorphous, electron irrad. effect on dark and photocond. and defect removal 2−24930
Si:P implanted wafer, multiscanning electron beam annealing, solar cells appl. 2−14614
Si:P ion-implanted solar cells, pulsed electron beam annealing 2−23581

electron beam effects continued
Si-SiO_2 MOS structs., donor conc. in Si surface layer, electron irrad. temp. effect 2−9517
SiO_2, electron energy loss and mean free path 2−15085
SiO_2:N dielectric films, Mrad electron irrad. tolerance, for IGFETs 2−25353
Zn_3P_2-Mg, p-n junction form., carrier diffusion lengths, collection efficiency spectral response, EBIC meas. 2−14690
ZnTe-CdSe heterojunction, electron-voltaic effect 2−14686

electron beam lithography
see also electron resists
16-bit D/A converter, for electron beam positioning in lithography *(Russian)* 2−886
100 nm Josephson microbridges, high-resolution fabrication 2−9918
alignment signals from resist.-coated marks for direct wafer writing 2−9689
backscatter signal editing technique for distortion meas. 2−1266
beam shaping in lithography, Kohler or critical illumination, current density distrib. 2−20306
beam writing strategies and resist development effects, exploration 2−9683
bipolar transistors, submicron for HF low-current operation 2−9628
CMOS/SOS VLSI circuit fabrication using electron beam/optical hybrid lithography method 2−9745
computer controlled electron lithography system for LSI, VLSI and VHSIC *(Slovak)* 2−9706
digital simulation of an optimized electron-beam lithographic process 2−9694
direct wafer writing system, double defl. correct., SEM column, multi-data exposure program, mask. reg. accuracy, LSI appls. 2−5784
direct writing, 256 kbit MOS RAM design appl. *(Japanese)* 2−24509
direct writing, new data processing program, VLSI MOS 1 micron processing, 256 kbit MOS RAM appl. *(Japanese)* 2−25348
direct-write E-beam system, shaped beam concept for IBM's IC production 2−9714
dosimetry, use of radiation sensitive films, radiachromic dye derivatives in polymer 2−20324
E-beam/photo lithographic process, dual-polarity, single-resist mixed 2−9696
EL-3 electron beam tool from IBM with mask making facility 2−9676
fabrication techniques for supercond. submicron switches 2−15242
high speed electron beam lithography system for direct writing on wafer or mask generation 2−20295
high speed pattern replication, by electron beam proximity printing 2−14927
high-speed electron-beam lithography column for exposure of large wafers or masks 2−20296
high-throughput electron-beam lithography, mutual repulsion effects, computer Monte Carlo simulation 2−20308
high-throughput submicron lithography using electron beam proximity pointer, image positioning accuracy 2−20304
I^2L microprocessor chip, 16-bit, 1.25 μm min. geometry, electron-beam direct writing, ion implants, plasma etching 2−20388
IC fabrication, lithographic strategies for the 1980s 2−9713
IC manufacturing *(German)* 2−14918
Josephson edge-junction devices using E-beam lithography 2−9921
lithographic structure using high energy electrons 2−9534
LSI, EB55 precision electron beam exposure system, direct writing of submicron patterns, variably-shaped beam 2−20297
LSI, multichannel array lithography with submicron smallest features and high throughput of wafers 2−20300
LSI elements of submicron size, electron beam lithography appl. 2−1423
LSI mass production techniques, direct writing systems 2−20338
LSI nanolithography using electron-beam system, resist exposure, computer control 2−20298
LSI technology, lithographic methods development, electron and X-ray-sensitive resists 2−1424
measurements, effect on LSI and VLSI 2−1398
micro lens fabrication using electron-beam lithography 2−20686
micro-Fresnel lens fabrication 2−20707
microcircuits, methods *(German)* 2−14523
microelectronic technology appls. of electron beam techniques 2−9541
microelectronics, lithography appls. and limitations 2−5785
microfabrication technology, electron-beam exposure system, pattern generator, defl. amplifer 2−20305
microgratings, electron-beam directly written, for integrated optical circuits 2−6042
monolithic RAM/high-performance logic IC fabrication, custom patterning on masterslice using electron beam lithography, IBM computer appls. 2−14045
MOS LSI memory fabrication using direct write electron beam lithography 2−20419
MOS LSI technology, 256K RAM development *(Japanese)* 2−25346
MOS static RAM, 4 K-bit, electron-beam direct slice writing and dry etch process, VLSI MOS device technology 2−20403
n-MOS VLSI, electron-beam direct writing technology, overlay and linewidth accuracies 2−20406
MOS VLSI fabrication, electron beam direct writing technology for micron and sub-micron struct. 2−20412
MOSFET, radiation hardness on submicron NMOS 2−15004
MOSFETs, small, multilevel resist structure 2−9732
multiple-electron-beam exposure system for high-throughput, direct-write submicrometer lithography 2−9693
NMOS process, submicron transistor fabrication, radiation effects of electron-beam lithography 2−15010
pattern recognition technique using sequences of marks for registration in electron beam lithography 2−25302
PMMA thin film masts, for use in electron beam lithography, thickness profile determ. 2−14525
polyvinyl alcohol, photoresist for electron beam exposure 2−9529
positioning stage driven by hydraulic cylinder for exposure system 2−14522
precision electron beam exposure system-EB 55 LSIs with 0.5 micron patterns appl. *(Japanese)* 2−25111
projection lithography for smaller VLSI 2−9677
proximity correction, model for optimising CPU time 2−25314
proximity effect compensation, optimisation techniques 2−25313
proximity effect correction 2−25310
proximity effect correction in EB proximity printing 2−25312
proximity effect correction program 2−25307

electron beam lithography continued
proximity effect correction using a dose compensation curve 2−25308
proximity parameters determ. 2−25311
raster scan electron lithography machine, proximity correction 2−25309
RD3D, computer simulation of resist development in 3D 2−20163
resist profile quality and linewidth control, use of bias in EB lithography 2−25304
resolution, overlay, and field size for lithography systems 2−9681
resolution and linewidth tolerances in electron beam and optical projection lithography 2−9684
resolution limits, secondary electron interaction mechanisms 2−14757
SEM type electron beam exposure direct writing system, appl. to MOS LSI fabrication 2−20401
semiconductor device fabrication, electron beam appl., lithography and annealing, review 2−20181
semiconductor factory, EL-3 electron-beam direct write manufacturing tool, appls. 2−20299
small area Josephson tunnel junctions, high resolution techniques for fabrication 2−9920
soft anodised masks for photolithography generated by vector scanned electron beam lithograph, digital approximation 2−20166
spot overlap in a variably shaped spot electron-beam exposure tool 2−1405
submicron IC production by fast-blanking electron beam lithography 2−1050
submicron lithography, recent developments using electron beams and X-rays 2−25121
technology, conf., Dallas, TX, USA (May 1981) 2−18851
thermal heated field emitter gun for E-beam exposure 2−1103
variable-shaped electron-beam direct writing technology for 1 micron VLSI fabrication 2−9731
VLSI, electron beam exposure technique] *(Japanese)* 2−1418
VLSI, electron image projector for exposure of 4 in. wafers, design, performance 2−20303
VLSI circuit mask production techniques and machines used *(Swedish)* 2−25283
VLSI electron-beam lithography, multibeam scheme for increased throughput 2−20302
VLSI manufacture, lithographic methods, linewidths, scaling-down laws *(German)* 2−20346
VLSI pattern generation, high-current variable-shaped electron beam forming, space charge effect 2−20307
VLSI production, by new Hewlett Packard electron beam lithography system 2−9528
VLSI reticle/wafer electron-beam array lithography stitching expts., examination 2−20301
VLSI technology, with optical stepper lithography, mask manufacture 2−9539
Al submicron e-beam patterning using double-layer pattern transfer technique 2−25319
CMOS/SOS VLSI sub-μm transistor gate, electron-beam/optical hybrid lithog. 2−20405
GaAs digital ICs, sub-μm transistor gate, electron-beam/optical hybrid lithog. 2−20405
GaAs, IC fabrication, selective epitaxy and electron beam lithography 2−5823
GaAs Schottky-gate FET capacitor-coupled logic cct. fabrication by direct electon beam exposure 2−20404
Nb weak-link Josephson single-flux-quantum logic circuits 2−9910
Pb thin film microbridge Josephson device, response under microwave and MM wave radiations 2−20598
Si coupled Josephson junctions and super-Schottky diodes with coplanar electrodes 2−9922
Si, semiconductor device processing, book contrib. 2−1277
Si-WSi_2 polycide, 1 μm, in MOSFET technology 2−9736
W films, pattern definition, high resolution 2−20160

electron beam machining
No entries

electron beam welding
30 kW electron beam guns, evaluation by beam luminescence recording 2−23798
Al alloys fatigue strengths and welded joints 2−28280
cascade power source for electron-beam apparatus for precision welding 2−28276
electron-beam gas discharge welding gun technological lines 2−23807
equipment, with rotating chambers 2−28275
heat energy distribution across surface of welded object 2−28291
low-voltage switches, electron-beam welding of contacts *(Hungarian)* 2−18987
manufacturing and heavy industries appls. 2−4494
pulsed electron beam welding, metal expulsion, specific energy 2−8114
seam tracking using secondary emission 2−8115
steel, electron-beam-welded seams, holes formation *(Hungarian)* 2−28285
techniques and appls. *(German)* 2−10406
tubes made from 08Kh18N10T stainless steel, procedure 2−23799

electron beams
see also electron optics; Schwarz-Hora effect
angular velocity, RMS spread, meas. from synchrotron radiation 2−11721
cyclotron harmonic wave instability on costreaming electron beams 2−7269
drift klystron, criteria for and shape of optimum electron bunching 2−20019
extended, space-charge forces in trajectory anal. 2−25904
free electron laser hamiltonian model, cooperative and chaotic transition 2−25657
free electron laser instability for relativistic annular electron beam propag. through helical wiggler field 2−20778
free-electron laser amplifier, numerical two-dimens. model 2−10185
free-electron lasers, classical electron generator advancement into short-wavelength bands, review 2−20772
guided wave system filled with electron beam, orthogonality relation for the modes 2−25905
guns with adjustable beam compression and perveance, design by computer simulation 2−1101
gyroklystrons, space charge forces effect on electron bunching in drift tube 2−20018
gyrotron, linear, interaction with electron beam of distributed pitch angle 2−14571
intense helical electron beams, theory of formation by gyrotron electron guns of magnetron type 2−14568

electron beams continued
intense relativistic electron beams in uniform and rippled magnetic fields, producing MM wave emission 2−14580
magnetoelectric properties 2−25902
momentum modulation of electron beam by laser fields, coherent optical radiation obs. 2−10340
multimode TWT, computational model for prediction and expt. verification 2−9369
multiple foil bremsstrahlung sources, theoretical and expt. studies 2−17207
negative-ion injectors, recuperator, expt. simulation using electron beam 2−12938
noise characteristics in linear accel. 2−27018
pulsed electron source for energies 1 to 6 MeV, based on betatron 2−17224
relativistic, free electron laser, magnetic diffusive wiggler pump 2−1824
relativistic annular beam, diocotron instability 2−3332
relativistic electron beam in corrugated waveguide, Cherenkov radiation 2−1116
relativistic electron beams, EM waves steady-state parametric excitation 2−2094
relativistic hollow electron beam, diocotron instability in plasma background 2−24863
slow cyclotron waves in tubular electron beams 2−17213
space charge effects on the equilibrium of guided electron flow with gyromotion 2−14570
space charge waves, in rotating electron beams with magnetic interaction 2−21035
time sweep resolution in electron photomultiplier, determ. using contrast-time characteristic 2−1131
TWT gyrotron, self-consistent large-signal interaction 2−14584
TWT-refocuser-MDC systems, design, computational procedure expt. verification 2−20026
unfocused cylindrical electron beam, space charge wave effects 2−15623
CO_2 high-pressure amplifiers, continuously tunable signal amplification 2−1895

electron bombarded semiconductor devices
No entries

electron density (crystallography) *see crystallography*

electron density of states *see electronic density of states*

electron density of states (condensed matter) *see electronic density of states*

electron detection and measurement
Cherenkov light produced by 500 MeV electrons in water, expt. results 2−17233
dose measurements in water and polystyrene, comparative studies using various dosimeters 2−27215
electrostatic spectrometer for internal conversion electrons meas. in 0.1-20 keV region 2−27095
energy meas. in presence of hadron background, with Cherenkov gamma spectrometer 2−17253
high-energy electrons, dose estimation using ionisation chambers *(Czech)* 2−11816
lifetime meas. of positrons and positronium in condensed media 2−17296
n-octane liquid scintillator, low energy proton and electron responses 2−7276
plasma diagnostics, analyser for electron distribution and angular distribution meas. 2−3395
scintillator glass SCGIC shower detector, longit. response 2−17234
$Bi_4Ge_3O_{12}$ crystal scintillator, 35-175 MeV positron total absorpt. shower detection 2−17232
Ge detectors, response to monoenergetic electron, positron and gamma ray beams 2−22479

electron device manufacture
see also electron tube manufacture; integrated circuit manufacture; semiconductor device manufacture
capacitor encapsulation using rotary and shuttle thermoplastic injection molding system 2−14319
capacitor manufacturing using reel fed continuous strip system 2−14318
component tolerances, economic choice 2−18970
electronic component demand forecasting, constraints and methodology 2−13138
laser applications in electronics prod. 2−10398
practical problem of ensuring the quality of electronic components and devices *(German)* 2−19007
solid epoxy resins for molding appls. 2−13868

electron device noise
1/f noise theory for physical devices, spectral superposition and irreversibility, Markovian processes 2−25170
active second-order bandpass filter, low-noise state-space realisation 2−24592
autodyne using IMPATT diodes, load-noise characteristics 2−9233
avalanche photodiode noise characterisation with a multichannel pulse height analyser 2−1808
avalanche photodiodes, triggered avalanche detection of IR photons 2−16979
bipolar transistors, LF noise and crystallographic defects correl. 2−25209
bipolar transistors, low energy electron beam investigation of burst noise, SEM correl. with dislocations 2−25214
C-CD, gamma-induced noise anal. and meas. 2−14859
C-CD imager, gamma radiation induced noise 2−15001
classical noise and non-linearity in physical devices, quasi-exact solutions 2−25171
combinatorial logic ccts., noise anal. of soft errors by Walsh transform 2−14063
crossed field diode current fluctuations, self consistent theory 2−24864
DC-SQUID, meta-stable states, mean lifetimes, I-V characts. of device 2−25464
device noise figure and gain through noise meas., evaluation method 2−23984
digitally controlled temp. control unit in 6000 series for JFET, report 2−11610
diode lasers, electronic phase-noise suppressions 2−20878
direct coupled OR gate for Josephson circuitry, good noise immunity 2−786
double-injection diodes, thermal noise in semiconductor regime 2−25202
electrical contacts, spectrum anal. of noise by contact opening 2−9273
EM noise problems and solution in power semiconductor equipment, conf., Loughborough, England (Sept. 1981) 2−8160
feedback amplifiers, noise factors anal. 2−9001
FET, ballistic transport obs. by noise meas. 2−25249

electron device noise continued
FET channel noise model, impedance field method, mathematical formulation 2−25268
Fourier transform NMR spectra, accumulation, signal-to-noise ratio 2−7067
gate-controlled implanted resistor, 1/f noise 2−14870
IMPATT diode and Gunn diode, analysis of noise characteristics and differences 2−951
IMPATT diodes, GaAs and Si, intrinsic noise study 2−1340
IMPATT oscillators, FM noise reduction by laser illumination 2−14299
ion-sensitive FET sensors, monolithic implementation, ion noise, meas. of short-circuit channel noise currents 2−26845
IR imaging focal plane arrays 2−22270
JFET channel thermal noise model using active R-C line approach 2−25269
JFETs, low-noise 4-terminal devices, noise meas. and model for fluctuations caused by point defects 2−25272
Josephson junction, current driven, microwave induced steps, thermal fluctuations and transition rates 2−20586
Josephson junction, radiation linewidth anomalies 2−20587
Josephson junction, RF biased, chaotic states 2−9932
Josephson junction, voltage fluctuations, microscopic theory 2−20585
Josephson junction mixer without matching devices in the 8 mm band *(Chinese)* 2−9220
Josephson junction noise thermometer, elec. impedance, math. model 2−25450
Josephson junction noise thermometer, impedance modelling 2−9940
Josephson superconducting point contact, current noise 2−25453
Josephson tunnel junction amplifier low noise self-pumped, parametric amplification props. 2−5348
LF noise in semiconductor devices, degradation mechanisms in p-n junctions, thermodynamic approach 2−1327
LF noise in semiconductor devices, deterioration process rel. to noise generation mechanism, thermodynamic approach 2−1328
metal-oxide-metal diode noise, quantum correction meas. at zero bias 2−25241
microwave mixers, effect of local Gunn oscillator noise on performance 2−5153
microwave oscillators, time-domain large-signal noise modelling 2−24721
MIM tunnel junctions; low freq. noise model 2−25102
MIS thyristor thresholding transducer in optical systems 2−10152
MOM diode, heterodyne anal. 2−9519
MOS switched-capacitor networks, noise anal. using autocorrelation techniques 2−13928
MOSFET, effects of scaling on 1/f noise 2−9669
MOSFET 1/f noise due stochastic generation-recombination of carriers via fast surface states 2−25273
MOSFET Nyquist noise, effect of transverse electric field 2−1384
multiple-device oscillators, general noise theory 2−24693
operational amplifiers for very small signals, drift and noise *(German)* 2−726
optical broadband transimpedance preamplifiers, bipolar junction transistor and MESFET front end comparison 2−19577
p^+-π-p-π-n^+ avalanche photodiodes, non-white multiplication noise in dark current regime 2−25629
p^+-n-p transitor, discrimination between $1/f$ noise sources 2−25212
p-n junction diodes, burst noise, expt. studies 2−25203
p-n-p transistors, low-noise, noise coeff. meas. *(Bulgarian)* 2−9627
power semiconductor equipment, EMC meas., import/export of EM disturbance 2−10533
pulse height analyser, pile-up error compensation method 2−22504
pyroelectric self-scanning IR detector arrays, noise cancellation 2−5884
quantum noise effects at 100 GHz in MOM diodes and Josephson functions, meas. and theory 2−24722
reach-through avalanche photodiodes, noise, responsivity and long-term stability prospects 2−25621
resistively-shunted Josephson junction, thermal noise theory in quantum limit, DC SQUID appls. 2−25461
resistors, DC effect on spuriously generated third harmonics 2−9241
RF transistors, automatic meas. of noise *(French)* 2−14850
Schottky-barrier diodes, burst noise, expt. studies 2−25203
SCL solid state diodes, noise, current depend. 2−9607
semiconductor, hot electron noise props. in nonzero collision duration regime 2−24908
semiconductor device noise generation, simple models, RFI aspects 2−10523
semiconductor devices working under hot carrier conditions, noise meas. modelling 2−25178
SQUID, DC, current noise, thermal activation model 2−20580
SQUID, DC, near quantum noise limit 2−20581
SQUIDs, quantum tunnelling and thermal noise 2−25460
subthreshold MOSFETs, noise data and scaling props. 2−25270
supercond.-insulator-supercond. junction array mixers, conversion efficiency and noise meas. 2−20601
superconducting junction devices, quantum noise limited detection in tunneling devices at millimeter wavelengths 2−25459
superconductor-insulator-superconductor mixer, 115 GHz, infinite available gain 2−20593
superconductor-insulator-superconductor mixing with arrays at millimeter-wave frequencies 2−9933
thick film resistors, air-abrasive trimming influence on current noise 2−24728
transimpedance low noise bipolar preamplifier design for optical receivers 2−13989
tunnel junction, nonhysteretic, microwave direct and heterodyne detect. 2−9930
AlGaAs injection-locked semiconductor laser, optical FM signal amplification and FM noise reduction 2−10287
$Al_xGa_{1-x}As$-GaAs quantum-well heterostructure laser, transient and noise characts. 2−6233
Au-InP Schottky diodes, heat treatment effects on noise spectrum 2−9613
GaAs FET noise characterization at 18 and 20 GHz using noise waves model, computer implementation 2−24708
GaAs FET oscillator, X-band, low noise design rel. to active device, overall FM noise 2−24712
GaAs MESFET, ion implanted, excess 1/f noise depend. on gate leakage current 2−9670
GaAs MESFET, super low-noise, fabrication using Si ion implantation, microwave props. at 12 GHz 2−20253
GaAs MESFET broadband amplifiers with parallel feedback, noise 2−19872

electron device noise continued
GaAs MESFET low-freq. noise at low drain voltages 2−25274
GaAs MESFETs, microwave noise due to deep levels 2−1391
GaAs microwave FETs, operation and appl. *(French)* 2−14304
GaAs, microwave MESFETS, assessment of deep traps 2−1392
GaAs Schottky barrier FET, low noise, prep. by MBE 2−1369
GaAs X-band Gunn diodes in low-Q cavity, RF characts. 2−9608
GaAs-GaAlAs CW DH superluminescent diodes, modulation characts. and intensity noise 2−1817
$In_{0.53}Ga_{0.47}As$-InP avalanche photodiodes, excess-noise and receiver sensitivity measurements 2−15401
InGaAsP avalanche photodiodes, ionisation coeffs., excess noise characts., temp. depend. 2−10150
InP, ionisation coeffs., excess noise characts., temp. depend. 2−10150
Nb superconducting point contact, microwave induced gap structs. 2−1613
Pb/In-oxide-Pb(Bi) quasiparticle tunnel junctions for MM-wave detection 2−20602
$Pb_3Rh_7O_{15}$ thick film resistor, cond. mech. and 1/f noise 2−958
$Pb_2Ru_2O_7$ thick film resistor, cond. mech. and 1/f noise 2−958
Si, 1/f noise of thermal and hot charge carriers 2−14623
Si JFET low-freq. noise dependence on device parameters and operating conditions 2−25271
Si n^+-π-p-π-p^+ avalanche photodiodes, noise in weak multiplication regime 2−25630
p-Si p^+-π-p^+ planar devices, hot carrier transport noise, meas., generation-recomb. noise rel. to deep levels 2−25172
Si, p-n junction, current fluctuations, during secondary breakdown 2−20129

electron device testing
see also electron tube testing; integrated circuit testing; semiconductor device testing
accelerated stress test for electronic components 2−18975
active and passive components, using microcomputer based equipment *(Spanish)* 2−122
automatic testing for electronics manufacturing, conf., Boston, MA, USA, (June 1981) 2−8146
electronic component dormant storage, data based reliability assessments 2−24022
field emission gun, guard ring testing 2−1102
lifetime model, use in accelerated life tests 2−8320
MOS capacitors annealing with implications for test procedures to determine radiation hardness 2−14703
nuclear and space radiation effect, conf., Seattle, WA, USA (July 1981) 2−18849
passive components production meas. requirements, impedance determ. 2−4643
production, decentralised, automatic 2−4644
resistor nonlinearity meter, based on difference-frequency method 2−24736
resistors production, metal-film, using fast microproof test set 2−13268

electron diffraction examination of materials
see also low energy electron diffraction; reflection high energy electron diffraction
PMMA thin film masts, for use in electron beam lithography, thickness profile determ. 2−14525
C stripper foils made by DC glow discharge process, physical props. and structure 2−11744
Cd_3As_2 amorphous films, structural, electrical and thermoelectric props. 2−14665
CdTe, thin films, struct. and elec. props. stoichiometry and prep. condition depend. 2−24956
Co-P chemically deposited film, mag. props., effects of activation and accelera-tion 2−5887
$CuInSe_2$, thin films, ion-beam sputtered, characterisation 2−5599
GaAs, laser oxidation, expt. study 2−9577
GaN, high pressure vapour growth 2−13822
Ge, amorphous UHV deposited films, struct., elec. and optical props. 2−20097
InSb, epitaxial growth by laser evaporation, pulsed heating of substrate effect 2−24304
Li_3N thin film solid electrolytes for electrochromic devices 2−10075
Ni-Cr films, segregation, AES, electron diffr. and elec. cond. study 2−24337
PbSe films, evaporated, structural defects and photosensitivity 2−25033
PbTe, thin films, struct. and elec. props. stoichiometry and prep. condition depend. 2−24956
Si wafer, reactive sputter etching characteristics of wafer with CF_4 and O_2 mixed gas 2−14778
Si-Al-(111)Si structures, redistrib. of Si at low annealing temps 2−5627

electron emission
see also cathodes; electron field emission; exoelectron emission; photoemission; secondary electron emission; spin polarised electron emission; thermionic electron emission; work function
superstatistical emission noise 2−14565
vacuum and surface science, conf., Cannes, France (Sept. 1980) 2−18855

electron energy bands *see band structure*

electron energy loss spectra
AlN film prep. by ion implantation, AES and low-energy EELS studies 2−8825
Si_3N_4 formation by N ion implantation of Si, AES and EELs studies 2−20197
SiO_2, electron energy loss and mean free path 2−15085
W dispenser cathode, impregnated, electron spectroscopic investig. 2−1089

electron energy states of amorphous solids
see also Anderson model
amorphous semiconductors aspects of basic physics researches 2−25019
chalcogenide glasses, review of studies at Ioffe Physical-Technical Institute, USSR 2−25004
a-Si Schottky barrier solar cells, localised states and photocond. 2−4344
Si:H, amorphous, midgap density of states, space charge limited cond. study 2−24996
Si:H, amorphous, plasma deposited, photocond., temp. depend. 2−1778
Si:H, amorphous, solar cells, electronic props., review 2−24995

electron energy states of glassy solids *see electron energy states of amorphous solids*

electron field emission
diode, microwave amplification by virtue of the space-time similarity/ of the electric-field and emission-current distributions 2−1118
field emission gun, guard ring testing 2−1102
semiconductor field emitter, elect. field relation at vertex and voltage 2−1105
superconducting cathodes, energy distribs. of field emission electron beams *(Japanese)* 2−5505
thermal heated field emitter gun for E-beam exposure 2−1103
C fibre micropoint emitter, electrolum. effects associated with electron field emission 2−14564
W cathodes, polycryst. and monocryst., field-emission current instability, in high vac. 2−1100
W cathodes, with alkali metal additives, field emission props. 2−24856
Zr/W thermal field electron source, performance 2−1096

electron guns
colour TV picture tube multi-step focusing electron gun *(Czech)* 2−9377
colour TV picture tubes, quadra potential focus electron appls. *(Czech)* 2−20042
computer simulation design of electron guns with adjustable beam compression and perveance 2−1101
CRT display visibility technology 2−3072
discharge lasers, pulsed electron beam control, review *(Rumanian)* 2−15459
ETA gun characts. 2−3359
field emission gun, guard ring testing 2−1102
gyratron electron guns, magnetron type, theory of intense helical electron beam formation 2−14568
gyrotrons, improved computer modelling of magnetron injection guns 2−14572
hollow beam electron gun for gyrotrons, design and testing 2−14561
hollow cathode, for excitation of CW lasers 2−25817
magneto-static focusing for color CRTs 2−2903
magnetron injection gun, cold cathode, for relativistic electron beams 2−14563
thermal heated field emitter gun for E-beam exposure 2−1103
TV camera tube using diode gun *(Japanese)* 2−11211

electron-hole avalanches *see impact ionisation*

electron-hole drops
semiconductors, conference, Hakone, Japan (Sept. 1980) 2−13151
Ge, magnetoresonance, electron-hole droplet, quantum transport theory 2−5543

electron-hole plasma *see solid-state plasma*

electron-hole recombination
see also carrier mobility
amorphous semiconductors, hot carrier thermalization, deep trapping and recombination 2−24998
amorphous semiconductors, photoelectronic geminate and nongeminate recombination 2−25570
bipolar devices, two dimensional simulation, surface recombination effects, modification of carrier - lifetime term 2−5731
elemental semiconductors, laser cyclotron resonance, Zeeman absorpt. 2−20058
heterojunction, nonideal, photoelec. props., photodiode appls. 2−20750
III-V semiconductors, laser cyclotron resonance, Zeeman absorpt. 2−20058
metal-semiconductor contacts, V-I characteristics, generation-recombination in space charge region, diffusion theory *(Russian)* 2−1234
MOS capacitor, generation lifetime determ. from I-V and I-t meas. 2−25090
MOSFET device, SiO_2 ionisation by heavy charged particles 2−14858
one-dimensional disordered system, excited states lifetime 2−9453
organic photoconductor, electro-optical induction of recomb. luminesc. 2−6096
p-n junction diode, effect of emitter recombinations on open circuit voltage decay 2−14836
photoelectrochemical solar cells with layer-type semiconductor anodes, chem. surface treatment 2−18476
semiconductor, current controlled negative resist. and generation-recomb. induced nonequilib. phase transitions, impact ionisation model 2−24902
semiconductor, direct band gap, effect of electroabsorption on ionisation coeff. determ. 2−9387
semiconductor superlattices, electronic properties, struct. and growth techniques 2−1221
semiconductor surface potential barrier effect on surface recombination velocity 2−5626
solar cell, efficiency calcs. for cell with inhomogeneous areal distrib. but constant number of recomb. centres 2−28124
solar cells, carrier redistribution anal. within junction using kinetic method 2−23465
solar cells, MIS, p-type, electron capture by surface states, adverse and beneficial effects 2−23448
time-dependent geminate recomb. 2−1146
AlGaAs-GaAs solar cells, deep-level defects, low temp. periodic annealing effects 2−18469
AlGaAs-GaAs solar cells, proton irrad., radiation-induced deep-level defects, annealing, DLTS, SEM 2−18551
$Al_xGa_{1-x}As$ solid solns., epitaxial, variable composition, surface recombination *(Russian)* 2−1184
As_2Se_3, amorphous, geminate and non-geminate recomb. 2−9454
$Bi_{12}SiO_{20}$ optical image convertor, effect of electron-hole recomb. on performance 2−22159
$Cd_xHg_{1-x}Te$, magnetophonon reson. of nonequilib. carrier density 2−5563
$Cd_xHg_{1-x}Te$ photodiodes, 8-14 μm range, doping influence 2−10142
CdS, biexciton states, real and virtual, Raman, fluoresc. and radiative recomb. spectroscopy 2−24972
CdS:Cu, Cl, sintered layer photoresistor, photosensitivity deterioration *(Russian)* 2−964
CdTe, p-n junctions, LPE grown, injection electroluminescence 2−10123
GaAs, hot carrier photoluminescence, picosecond correlation effects 2−25594
GaAs, hot photoexcited electrons, effect of electron-electron scatt. 2−24974
GaAs:Cr, photoexcited charge carrier recombination processes *(Russian)* 2−1190
$GaAs$-$Ga_{1-x}Al_xAs$ multilayer epitaxial heterocomps., elec. active defects, combined SEM and TEM obs. 2−24959

electron-hole recombination continued
$Ga_xIn_{1-x}P$-GaAs MBE DH, interface recombination vel. and misfit strain, photoluminescence study 2−9480
Ge, surface recombination and bulk lifetime contactless PME investig. 2−10161
Ge-Se evaporated film, amorphous, non-dispersive and dispersive transport 2−25000
p-$Hg_{1-x}Cd_xTe$, deep levels, narrow-band-gap space-charge spectroscopy 2−1175
p-$Hg_{1-x}Cd_xTe$, deep levels, correlation with photodiode performance 2−1176
p-$Hg_{1-x}Cd_xTe$, electron irrad. and annealed, carrier lifetime and recomb. props. 2−9439
p-$Hg_{1-x}Cd_xTe$ photodiode, minority carrier lifetime and recomb. mech. 2−1177
n-InP LPE layer, donor-acceptor pair recomb. from donor ground and first excited states 2−1197
InSb, conductivity fluctuations in crossed elec. and mag. fields 2−5564
n-InSb, IR emission under crossed elec. and mag. fields 2−1928
$MoS_2(Se_2)$ photoelectrodes, role of electron hole recomb. 2−14666
Pb chalcogenides, photovoltaic detectors, R_0A product temp. depend. 2−10141
PbS, PbSe abrupt p-n junctions, R_0A product, dopant conc. effect 2−14681
Se, hexagonal single crystal, rest photocond. *(Russian)* 2−10112
Si, carrier recombination at grain boundaries 2−1154
Si, heavily doped, nondegenerate minority-carrier concentration and recombination current 2−5532
Si n^+-p diffused solar cell, effect of junction depth on performance 2−18487
p-Si p^+-π-p^+ planar devices, hot carrier transport noise, meas., generation-recomb. noise rel. to deep levels 2−25172
Si p-i-n diode thermophotovoltaic cells recent developments in theory, fabrication and testing, high conversion efficiency design 2−18524
Si, photoelectric effects, lux depends. under surface and bulk Auger recomb. conditions 2−6092
Si, polycrystalline, carrier transport and recombination processes at grain boundaries under optical illumination 2−20725
Si polycrystalline solar cell performance, effect of grain boundaries, energy-gap narrowing, trap-assisted recombination 2−23493
a-Si Schottky barrier solar cells, localised states and photocond. 2−4344
Si, solar cell, n^+-p, electron irrad. and annealing effects 2−4339
Si, solar cell, single cryst. and polycryst., minority carrier diffusion length 2−18472
Si solar cell, surface recombination velocity meas., SEM appl., textured front surface field and tandem function cells 2−23609
Si solar cell; metal-insulator-n-p junction struct., 678 mV open circuit voltage 2−4338
Si, surface recombination and bulk lifetime contactless PME investig. 2−10161
Si wafers large-diameter, grown by Czochralski method, recombination props. *(Russian)* 2−14620
Si:H, amorphous, modulated photocurrent meas. 2−1780
Si:H, amorphous, p-i-n junctions, photoacoustic emission 2−25052
Si:H, amorphous, photoconductivity, spectral and temp. depend. 2−1792
Si:H, amorphous, plasma deposited, photocond., temp. depend. 2−1778
Si:H, amorphous, reactively sputtered, solar cell, electron-hole recombination 2−23417
Si:H, intrinsic, amorphous, dual light beam modulation of photocarrier lifetime 2−25576
a-Si:H, Schottky barrier structures, capture cross-section and density of deep gap states 2−25075
Si:H,B, Li-diffused, amorphous compensated, dark and photocond. 2−24932
Si:H,P, amorphous, photogenerated carrier recombination 2−24929
Si:H amorphous Schottky barrier diode characts., mathematical model 2−25189
a-Si:H solar cells, N-I-P and P-I-N, photogenerated carrier collection and loss mechanism anal. 2−23530
Si:Li polycrystalline solar cells, effect of diffusion on grain boundary transport and minority carrier recombination 2−23622
SiH_x amorphous Schottky barrier solar cell, carrier collection efficiency, recombination effects 2−7994
SiO_2, irradiated, electron-hole recombination from microdosimetry viewpoint 2−14707
Y_2O_2S:Eu phosphors, excitation mode into charge transfer band 2−20733
ZnS:Cu, Cl crystal phosphor, localised surface state spectroscopy 2−10132
Zn_2SiO_4:Mn phosphors, electron trapping and luminesc. mechanisms, tunnelling model 2−1795

electron interactions *see electron beam effects; electron beams; secondary emission*

electron lenses
see also aberrations; electron microscopes; electron optics; electrostatic lenses; magnetic lenses
cathode lens, mirror mode, estimation of contrast *(French)* 2−9386
magnetic electron lenses and electromagnets, finite element anal. for mag. field distrib. calc. 2−2087
magnetic electron lenses for HV microscopes 2−2088
multi-step focusing *(Czech)* 2−9377
numerical design of electron lens 2−2085
stigmator circuit for independ. control of convertor amplitude and orientation 2−5526

electron lithography *see electron beam lithography*

electron micrographs *see electron microscope examination of materials; electron microscopy*

electron microprobe analysers *see electron probe analysis*

electron microprobes *see electron probes*

electron microscope applications
see also electron microscope examination of materials; scanning electron microscope applications
FET wafers, non-charging electron beam pulse prober 2−15018

electron microscope examination of materials
see also electron microscope applications; electron microscopy; scanning electron microscope examination of materials; scanning-transmission electron microscope examination of materials; transmission electron microscope examination of materials
p-n junctions, reversed-biased, electron interf. image interpretation 2−20125

electron microscope examination of materials continued
Permalloy film, electromigration, electron microscopy study 2−25420
PROM, bipolar components, electron microscopy 2−25330
thermionic cathodes emission carbonate crystallite and oxide cathode performance in electron tubes 2−1099
$CoFe_2O_4$, epitaxial growth on acicular γ-Fe_2O_3 particles, coercivity, temp. depend. 2−20486
Cu-clad laminates, electron microscope exam. of surface treatment effects 2−19959
Fe_4N powder, magnetic recording tape prep., electron microscope obs. 2−20500
GaAs-metal ohmic contacts, microstructure, correl. with elec. characts., electron microscopy obs. 2−20139
GaN, high pressure vapour growth 2−13822
InAs, anisotropy effects in vapour epitaxy, growth rate and surface microrelief 2−587
InP epitaxial layer, defect obs. and correl. with device performance 2−1198
InP-metal ohmic contacts, microstructure, correl. with elec. characts., electron microscopy obs. 2−20139
PbSe films, evaporated, structural defects and photosensitivity 2−25033
Si, impurity and defect characterisation techniques, book contrib. 2−1168
Si, MBE films, dislocation density, growth conditions depend. 2−583
ZnS film, reactively sputtered, struct. and composition obs. 2−608

electron microscopes
see also electron microscopy; field emission electron microscopes; scanning electron microscopes; scanning-transmission electron microscopes; transmission electron microscopes
cathode lens, mirror mode, estimation of contrast *(French)* 2−9386
CRT video monitor, colour-coded, for electron microscope 2−24897
microcomputer-controlled, capabilities extension 2−5525
photoelectron microscope, space-charge aberrations 2−1138
stigmator circuit for independ. control of corrector amplitude and orientation 2−5526
Y_2O_3-Ir, long life, high brightness cathode for electron microscopes *(Chinese)* 2−20013

electron microscopy
see also electron microscope applications; electron microscope examination of materials; electron microscopes; field emission electron microscopy; metallography; scanning electron microscopy; scanning-transmission electron microscopy; specimen preparation; transmission electron microscopy
corrected mag. prism spectrometer for electron microscopy 2−9384
electron microscope auto-radiograph resolution depend. on nuclear emulsion parameters *(Russian)* 2−17288
holography, Dennis Gabor memorial symposium, Haifa, Israel (Mar. 1980) 2−18850
magnetic electron lenses and electromagnets, finite element anal. for mag. field distrib. calc. 2−2087
magnetic electron lenses for HV microscopes 2−2088
microfocal radiography using the electron microscope 2−8856
mirror electron microscope, two-channel meas. of surface electric field, Si surface p-n junction 2−14603
mirror electron microscopy, mag. contrast, instrument const. 2−5527
p-n junctions, reversed-biased, electron interf. image interpretation 2−20125
particle optics, aberration studies and computer algebra 2−2086
BaO:CaO:Al_2O_3 impregnated cathodes, Auger spectroscopy and emission microscopy 2−5503

electron mobility
see also carrier mobility
pulsed radiolysis drift tube experiment, diffusion effects 2−24853
Ar, electron swarm parameters 2−14551
Kr, electron swarm parameters 2−14551

electron multipliers
channel, efficiency increase using high secondary electron yield cone coating 2−9380
channel electron multipliers, effectiveness meas. *(Czech)* 2−14595
channel-type, magnetic field dependence obs. 2−5519
chevron microchannel plate, response to 2.5 and 14 MeV neutrons 2−9379
curved-channel microchannel array plates/ 2−3404
ion detection efficiencies of Johnston electron multipliers 2−22486
microchannel image intensifier 2−22163
microchannel plates, MTF estimation 2−3084
parallel plate multichannel electron detector with uniform response 2−1129
secondary, amplitude distribution during low-energy electrons recording 2−1127
Venetian blind type electron multipliers *(Japanese)* 2−9378
VEU-6 channel electron multiplier for recording ion currents in the MKh1304 mass spectrometer 2−14593

electron optics
see also beta-ray spectrometers; electron beams; electrostatic lenses; ion optics; magnetic lenses; particle optics
cathode lens, mirror mode, estimation of contrast *(French)* 2−9386
centrifugal electrostatic beam-shaping for high-power electron beam commutator, design 2−2092
circular scanning in dissector, parameters meas. using CRT 2−16899
corrected mag. prism spectrometer for electron microscopy 2−9384
EM coils for electron optics, winding distrib. 2−10427
focusing properties of the electron optics of emission systems with electron mirrors 2−2093
image convertor, Al foil focusing coils construction 2−2106
image convertor, cathode grid parameters analysis 2−24885
image convertor, high voltage magnetically focused, aberrations and transverse field effects 2−22160
linear transformations for Gaussian trajectory parameters *(Chinese)* 2−21033
magnetic deflector systems for electron beam instruments, variety and classification *(Russian)* 2−2105
magnetic electron lenses and electromagnets, finite element anal. for mag. field distrib. calc. 2−2087
MAMI microtron, beam optics and magnet technology 2−7250
numerical design of electron lens 2−2085
p-n junctions, reversed-biased, electron interf. image interpretation 2−20125
particle optics, aberration studies and computer algebra 2−2086
photoelectron microscope, space-charge aberrations 2−1138

electron optics continued
relativistic electron beam focusing in high-voltage diode, mag. fields observation 2−11720
rotationally symmetric systems, analytical pot. calc. strategy 2−25901
SEM, local field effects on voltage contrast 2−14602
two-magnet doubly achromatic beam deflection system for electron linac beam 2−7249
TWT-refocuser-MDC systems, design, computational procedure expt. verification 2−20026

electron paramagnetic resonance *see paramagnetic resonance*

electron probe analysers *see electron probe analysis*

electron probe analysis
boiler furnaces, slagging assessment method based on coal minerals thermal behaviour, appl. 2−23097
energy dispersive detectors, bibliography (1981) 2−23894
energy-dispersive X-ray anal., conf., Gaithersburg, MD, USA (April 1979) 2−23893
semiconductor characterisation problems, chem. analysis techniques, capabilities and limitations 2−9538
thermionic cathodes emission carbonate crystallite and oxide cathode performance in electron tubes 2−1099
X-ray dispersive crystal spectrometer design and fitting to SEM *(Chinese)* 2−17317
GaAs-Cu(Ag)(Zn)(Sn)(Al) contacts, metal diffusion, penetration depth, SEM and microprobe anal. 2−20140
GaAs-metal contact interface, metallurgical and elec. props., heat treatment effects *(Chinese)* 2−14692
InGaAsP-InP DH laser, degradation obs. by electron probe microanal. 2−25769
Si:P film, polycryst., elec. characts., O content effect 2−1148

electron probe microanalysis *see electron probe analysis*

electron probe microscopy *see electron probe analysis*

electron probes
see also electron probe analysis
non-charging electron beam pulse prober, circuit anal. of FET wafers 2−15018
thin film metallisation, relative density meas. using electron microprobe or SEM 2−14812

electron resists
bubble memory negative resists, postirrad. polymerization, theory, inhibition 2−20541
ion beam exposures profiles in PMMA, computer simulation 2−25117
ion-bombardment tolerant electron resist system, multilayer, high resolution 2−25316
lift-off technology, single layer 2−20288
methyl α-trifluoromethylacrylate radiation-sensitive polymer, appl. as electron and UV resist in microelectronics 2−5775
methyl methacrylate, vacuum lithography using plasma polymerization and plasma development 2−14749
multilayer resist technique, lift-off of thick metal layers 2−25318
multilevel resist for lithography below 100 nm 2−9688
negative electron resist profiles, effect of extra doses at pattern edges 2−25305
negative electron/X-ray resist., 1.0 μm resolution following exposure, poly(alkyl methacrylate)-co-(2-hydroxyethyl methacrylate) 2−20325
negative resist for 1 micron MOS process, chloromethylated polystyrene CMS *(Japanese)* 2−25110
pattern calc. by proximity function model, exptl. test 2−1273
plasma developable resist compositions, total dry microfabrication in submicron lithography 2−20326
plasma developable resists, by development of submicron lithography 2−1272
plasma polymerised, electron beam sensitive resist, Sn doping effect 2−9537
plastics, communications industry appls. 2−13861
PMMA thin film masts, for use in electron beam lithography, thickness profile determ. 2−14525
poly(chloromethylstyrene), high performance, molecular and chem. props., lithographic performance 2−20311
poly(vinylnaphthalene) electron resists, dry etching, etching rates comparisons, submicrometre fabrication 2−20314
polymer resist. crosslinking under electron beam interactions 2−1258
polymeric resist materials, recent developments 2−1274
positive, mol. orbital studies 2−5657
positive electron resists, novolac resins as active ingredients 1/2 μm pattern resolution capability 2−20309
RD3D, computer simulation of resist development in 3D 2−20163
reactive ion etching with Ar+methane, high resolution pattern prep. 2−14785
trilevel electron beam resist process 2−25315
UV hardening of photo- and electron-beam resist patterns, reduction of image flow during reactive ion etch 2−20313
vinyl polymers, F-containing synthesis, radiation degradation and electron beam resist. behaviour 2−5656
VLSI, biotechnical process for micropatterning of metal using electron resist/protein composite 2−20376
Ge_xSe_{1-x} inorganic resist, electron beam exposure, oblique deposition enhanced sensitivity 2−20330
NaCl crystal etching at 2 nm size scale, in situ meas. of contrast curves for electron beam vaporisable resists 2−20310
Si, double-poly, MOSFET devices, Z 2−25360
Si transfer layers for multilayer resist systems 2−25317

electron ring accelerators
No entries

electron scattering *see electron beam effects; electron beams; secondary emission*

electron spectrometers
see also beta-ray spectrometers
angle resolved electron spectrometers, energy analyzer and goniometer attachment 2−27099
corrected mag. prism spectrometer for electron microscopy 2−9384
cylindrical electrostatic spectrometry, performance improvement 2−11878
electrostatic spectrometer for internal conversion electrons meas. in 0.1-20 keV region 2−27095
field emission thermal desorption spectrometer, microcomputer-controlled 2−27100

electron spectroscopy
see also photoelectron spectroscopy
secondary cells, $Li/LiAsF_6$-2-Me-THF/TiS_2, electrodes morphological characts. anal. using electrochemical and surface studies, application in spacecraft 2−12841
surface analysis techniques used in diagnosing relay problems 2−1001

electron spin resonance *see paramagnetic resonance*

electron states, impurity *see impurity electron states*

electron states, surface *see surface electron states*

electron streams *see electron beams*

electron structure of solids (crystallography) *see crystallography*

electron traps
see also colour centres; hole traps; impurity electron states
amorphous semiconductors, hot carrier thermalization, deep trapping and recombination 2−24998
avalanche photodiodes, triggered avalanche detection of IR photons 2−16979
disordered semiconductors, microscopic theory of dispersive transport 2−9398
ferroelectric ceramics, transparent, semicond. props., electron-hole processes, hologram forming 2−25034
MIS structures, electronic traps in insulator films, meas. methods *(Japanese)* 2−1250
MOS capacitor, physical characterisation of deep bulk levels by MOS conductance technique 2−25088
MOS capacitors, DC magnetron sputtering process parameter rel. to hot electron trapping 2−20148
MOS structures, characts. of slow interface traps created during electron avalanche injection 2−25099
MOS system, equilib. and non-equilib. C-V curves in time and freq. domain 2−25096
MOSFET, localisation of hot electron injection into oxide 2−25259
MOSFET, polycrystalline Si, lower annealed, field effect electron mobility 2−14879
n^+-p^--p^+ lateral diodes made from low press. CVD polycryst. Si films, energy distrib. of traps at grain boundaries 2−25196
phthalocyanine Schottky barrier solar cell, In/x-metal free 2−7993
ROM, electrically alterable, degradation by charge trapping 2−24536
screened Coulomb centres, electron capture, elec. field effect 2−9392
semiconductor, polycrystalline, carrier mobility, grain boundary barrier model 2−9388
semiconductor junctions with deep impurity levels, admittance, space charge anal. 2−9479
semiconductor nuclear radiation detectors, carrier trapping, current transport 2−9393
semiconductors, compensated, localised charge carriers, particle statistics and transport 2−9390
solar cells, carrier redistribution anal. within junction using kinetic method 2−23465
AlGaAs-GaAs solar cells, deep-level defects, low temp. periodic annealing effects 2−18469
β-B, rhombohedral, photocurrent instabilities, low freq., at low temp. 2−25569
Gb-B, rhombohedral, transient photocond. Gb-B, rhombohedral, transient photocond. 2−25568
CaS:B, thermolum. phosphor, phys. parameters, operation importance 2−15400
CuO film, exoelectron emission 2−5506
GaAs, deep levels, electron trap and hole trap discharge ratio, temp. dependence *(Japanese)* 2−14647
n-GaAs, high power far IR photocond. meas., photoresponse tail 2−6086
GaAs MESFETs, microwave noise due to deep levels 2−1391
GaAs, MO-CVD grown under different Ga/As mol fractions, deep levels 2−604
GaAs MOS structures, charge trapping in anodic native oxide under pulsed laser illum. 2−20144
GaAs, microwave MESFETS, assessment of deep traps 2−1392
GaAs planar devices, interface traps, DLTs and PITs methods 2−1397
n-GaAs, spectroscopic line fitting to DLTS data 2−14650
GaAs, VPE layers, implanted and annealed, elec. and optical props. 2−24969
GaAs-metal-semiconductor FET, transient radiation study 2−14869
GaAs-Si_3N_4 interface, trap studies 2−14715
GaP, deep levels in light-emitting devices, electron trap and hole trap discharge rates temp. dependence *(Japanese)* 2−14647
GaSe, single crystals, IR quenching of photoelectrical memory *(Russian)* 2−20076
Ge-Se-Ga thin film, amorphous, trap distrib., SCLC obs. 2−14664
Ge-Si, solid solutions, kinetics of photoconductivity *(Russian)* 2−6085
Ge_3N_4-GaAs MIS devices, elec. characts. and memory behaviour 2−25091
HgCdTe MIS capacitors, ionising radiation effects 2−14860
$Hg_{0.7}Cd_{0.3}Te$-anodic oxide interface in MOS structure, charge trapping 2−9513
InP:Fe, thermally stimulated cond. investigation 2−14644
InP:Zn, p^+n junction diodes and Schottky barriers, deep levels, Zn diffusion effects, DLTS study 2−9427
InSe, single crystal, IR quenching of photoelectrical memory *(Russian)* 2−20076
NiO film, exoelectron emission 2−5506
Si, amorphous, trap-controlled dispersive transport and exponential band tails 2−20718
n-Si, deep centres introduced by Ar ion bombardment 2−14629
Si, polycrystalline, conduction model, comparison between theory and expt. 2−1152
Si solar cells, thermal stability of impurities 2−23512
Si:Au; phase shift spectroscopy of modulated photocurrent 2−1781
Si:H, amorphous, modulated photocurrent meas. 2−1780
Si:H, amorphous plasma deposited coating, field effect cond., illumination and annealing effects 2−24994
a-Si:H, meas., and anal. of current transients, DLTS and TSC obs. 2−25002
Si-Al_2O_3, charge carrier props. in p-type layers of SOS 2−6087
Si-SiO_2 MOS struct., electron capture at Na^+ sites, 77 to 296K 2−25080
Si_3N_4 film, MNOS struct., electron traps, photoionisation cross-section 2−25081
SiO_2, electron trapping, reduction by high temp. N_2 annealing 2−14709
SiO_2, electron traps, processing parameters influence 2−9249
SiO_2-Si, avalanche electron injection, interface states generation 2−9506

electron traps continued
Ta-Ta_2O_5-MnO_2 system, space-charge-limited cond., Poole-Frenkel effect 2−25092
Te film on $Pb_5Ge_3O_{11}$, TGS and TGSe substrates, ferroelec. field effects 2−1527
(Zn,Cd)S:Ag,Cl DC electrolum. powder cell, donor-acceptor recombination luminesc. 2−25614
ZnO, high degeneracy acceptor levels, space charge capacitance and Hall effect data 2−1180
ZnS:Gd (Cu,Gd)(Mn,Gd), electroluminescent, optical props. 2−20735
$ZnSiO_4$:Mn^{2+}(Mn^{2+},As), photoexcited and photostimulated luminesc. and cond. 2−25610
$ZnSiO_4$:Mn^{2+}(Mn^{2+},As), phosphorescence, electron traps effect 2−25611
Zn_2SiO_4:Mn phosphors, electron trapping and luminesc. mechanisms, tunnelling model 2−1795

electron tube components
see also electron guns
colour picture tube spring contacts, used for HV continuity between mask frame and conductive coating 2−20041

electron tube diodes *see diodes*

electron tube manufacture
AC gas discharge display panel, protective coatings for discharge electrodes 2−1136
AC gas discharge display panel fabrication, MgO protective film deposition, characterization rel. to a- geing characts. prediction 2−5521
metal-ceramic high power electronic tubes, development and manufacture *(Hungarian)* 2−9360
plasma display panel fabrication, field-assisted bonding, vacuum deposition technique, glow-discharge activation 2−598

electron tube rectifiers *see rectifier tubes*

electron tube testing
CRT cathode cutoff ratio measurement 2−24886
CRT devices, flashover testing 2−5513
discharge lamps, high-intensity, IES approved method for life testing 2−13056
HVDC transmission convertor stations, valve design and testing, effects of EM interference, suppression 2−12726

electron tubes
see also cold-cathode tubes; diodes; electron emission; microwave tubes; relativistic electron beam tubes; tetrodes; thermionic tubes; triodes; ultra-high frequency tubes; vacuum tubes; X-ray tubes
display technology update *(German)* 2−26910
technological survey 2−14546

electron tunnelling *see tunnelling*

electron valves *see electron tubes*

electron-wave tubes
see also klystrons; magnetrons; travelling-wave-tubes
crossed-field tubes, computer modelling 2−1112
delayed self-excited oscillators and electron wave systems, noise type oscillations 2−762
miniature crossed-field amplifiers, slow wave circuit appls. 2−24870

electronic calculators
for calculator applications see under relevant applications e.g. engineering computing; natural sciences computing
CALCU Hi TESTER, digital tester with calculator 2−3051
data acquisition system, characts. *(Polish)* 2−3200
high pass filter design, programmable pocket calculator bar code programs *(German)* 2−814
HP-41C programmable calculator, microwave filter anal. appl. 2−5272
printing counter, conversion from calculator with print-out 2−26787
programmable pulse group generator, used for electronic calculator ccts. *(Italian)* 2−9034
Texas TI-30 calculator interface to GIM voice synthesis module 2−14243
TI 58/59 for telephone call charges calc. *(German)* 2−2442
TI-58/59 calculator appl. for design of profile of radio relay link *(Czech)* 2−6784

electronic component manufacture *see electron device manufacture*

electronic conduction in crystalline semiconductor thin films
for electronic conduction in amorphous thin films, see "electrical conductivity of amorphous semiconductors and insulators"
see also electrical conductivity of amorphous semiconductors and insulators; electrical conductivity of crystalline semiconductors and insulators; electrical conductivity transitions
carrier mobility and resistivity, spreading magnetoresist. determ. 2−24914
deposited on Termisil glass *(Polish)* 2−14608
II-V compounds, amorphous and cryst., thin films, prep., struct., elec. and optical props. 2−13848
IV-VI epitaxial thin film IR detectors, device performance and basic material props. 2−10154
IV-VI semiconductor, magnetoresistance strong and weak-field effects 2−9471
thin amorphous chalcogenide films, electrothermal model for breakdown, switching and memory effects 2−9458
ultrathin films of non-parabolic semicond., Einstein relation, size quantisation effe ct 2−9389
$Cd_xPb_{1-x}S$ (x=0.0625, 0.15625) superstructural thin film, props. 2−9478
CdS, elec. props. rel. to struct. and comp. 2−24967
CdS film, chemically sprayed, struct. and electronic props., so- lar cell appl. 2−5567
CdS film, reversible switching of residual cond. by a gas-vapour pulse 2−9442
α-CdS preparation by thermal and plasma-conversion of Cd 2−24315
CdS thin films, elec. props., effects of H_2 adsorption 2−14656
CdS:$CuCl_2$, baked layers, effects on elec. and photoelectrical props. 2−14653
CdS-S coevaporated thin film prep. and cryst. props. 2−19440
CdSe, elec. props. rel. to struct. and comp. 2−24967
CdSe, epitaxial film, surface state charging during NO_2 adsorption 2−20083
CdSe, polycrystalline layers, effect of annealing on elec. props. 2−14654
CdTe, thin films, struct. and elec. props. stoichiometry and prep. condition depend. 2−24956
n-CdTe:Pb films, vapour deposited, elec. anal. optical props. 2−14655
$CuInSe_2$ epitaxial layer growth on GaAs, struct. and elec. props., substrate surface polarity influence 2−19404
n-$Ga_{1-x}Al_xAs$ epitaxial layers, electron mobility 2−9431
GaAs, epitaxial layer thickness, dependence of electrophysical parameters *(Russian)* 2−5552
GaAs epitaxial layers doping with O and Si 2−5685

electronic conduction in crystalline semiconductor thin films continued
GaAs, high purity, LPE growth conditions and elec. props. 2−24299
GaAs:Cd^+, ion-doped films, elec. props. 2−14770
GaAs:Si MBE layer, doping 2−9559
GaAs-GaAlAs modulation doped multilayer struct., optimum cond. - and effective mobility conditions, LPE grown struct. 2−5622
$Ga_{0.47}In_{0.53}As$ LPE, CVD and VPE layers, electron and hole mobilities of n- and p-type films 2−1196
$Ga_{1-x}In_xAs$ uniform epitaxial layers, organometallic VPE growth, elec. characts. 2−13828
Ga_2Se_3 thin films in MS'IS structure, elec. props., localised states influence 2−14740
Ga_2Se_3-In_2Se_3 thin films, elec. and optical props. 2−1216
$(Hg_{1-x}Cd_x)Te$ RF sputtered thin films, effect of annealing in Hg vapour on props. 2−5557
$(Hg_{1-x}Cd_x)Te$ RF triode-sputtering film for IR detector arrays 2−9436
InAs:N_2^+ ion-implanted films, electrical conductivity and Hall mobility 2−5569
$In_{1-x}Ga_xAs_yP_{1-y}$ lattice matched to InP, comp. depend. o- f mobility, peak vel. and threshold field 2−5570
In_2O_3 film, conductivity modulation by O_2 press. variation 2−5572
In_2O_3 films, evaporation from In_2O_3/In source, chemical and elec. props. 2−8832
In_2O_3(-SnO_2) film, transparent conducting, transport and optical props. 2−5597
InP epitaxial film, metalorganic CVD, elec. props. 2−14641
InP, LPE-grown, effect of substrate orientation on electrical properties 2−14636
InP, VPE deposition on GaAs substrate in InP-PCl_3-H_2 system, layer quality and elec. props. 2−13813
p-InSb film, hydrogenated, elec. transport props. 2−5553
n-InSb, non-parabolic, ultrathin films, Einstein relation, size quantisation e ffect 2−9389
InSb:N_2^+ ion-implanted films, electrical conductivity and Hall mobility 2−5569
$In_{2-x}Sn_xO_{3-y}$ films, sputter deposited, elec. and optical props., heat treatment effects 2−14660
$In_{2-x}Sn_xO_{3-y}$ sprayed films, rel. to efficiency optimisation of Cu_2S-CdS backwall solar cells 2−18511
Pb salt epitaxial film, photovoltaic diode IR detector, modified hot wall technique prep. 2−10155
p-$Pb_{1-x}Cd_xTe$ epitaxial film, elec. transport props. 2−5590
$Pb_{1-x}Sn_xTe$ ($0 \leq x \leq 1$) films, photothermomagnetic effect 2−1214
$Pb_{1-x}Sn_xTe$, epitaxial layer, elec. cond. and Hall effect *(Russian)* 2−25045
$Pb_{1-x}Sn_xTe$:Cd crystals and LPE layers, doping and elec. props. 2−25144
PbTe (111) epitaxial thin films, elec. transport props., thermal-cycling induced changes 2−9465
PbTe film, magnetoresistance strong and weak-field effects 2−9471
n-PbTe films thermal treatment in air, effects on thermopower and electrical conductivity 2−9463
PbTe, thin films, struct. and elec. props. stoichiometry and prep. condition depend. 2−24956
p-PbTe:Ag epitaxial layers, elec. cond. and Hall coeff. 2−24986
PbTeSe, LPE growth lattice-matched to PbSnTe, phys. and elec. props. 2−585
Si CVD films, polycryst., elec. props., depend. on grain size and impurity doping conc. 2−14616
Si film, polycrystalline, made by amorphous film laser annealing *(French)* 2−8799
Si film, semi-insulating polycryst., elec. cond., O content depend. 2−1150
Si films, CVD, amorphous and polycryst., cond. mechanism 2−24933
Si, MBE, background and dopant impurities in film and film-substrate transition region, elec. transport 2−1153
Si polycryst. film, on SiO_2 coated substrates, zone melting recrystallised, stress enhanced carrier mobility 2−24917
Si polycrystalline thin films, laser annealed, integrated circuit appl., review 2−20066
Si:As, ion implanted, polycrystn. film, laser irrad., elec. props. grain size, annealing effect 2−9404
Si:H, microcryst. plasma deposited coating, elec. cond. and optical absorpt. 2−24922
Si:H,P films, elec. props., transition to amorphous phase, solar cell props. 2−24927
Si:P film, LPCVD, polycryst., grain size and resist. 2−9407
Si:P film, polycryst., elec. characts., O content effect 2−1148
Si-Al_2O_3, charge carrier props. in p-type layers of SOS 2−6087
SnO_2:Sb film, prep. by activated reactive evaporation 2−24334
SnO_x ultrafine particle films, elec. props. 2−9445
SnO_2(-In_2O_3) film, transparent conducting, transport and optical props. 2−5597
p-SnTe epitaxial thin film, elec. transport, nonstoichiometry effect 2−5598
p-Te film, evaporated, thermoelec. power 2−5542
ZnO film prep. by metalorganic CVD from diethyl zinc 2−24326
ZnO films prep. by oxidation of diethyl zinc 2−14640
ZnO transparent and highly conductive films, prep. by RF reactive magnetron sputtering 2−5009
$ZnSiAs_2$, VPE growth on Ge and GaAs substrates, struct. and elec. props. 2−4988

electronic conduction in insulating thin films
see also electrical conductivity of amorphous semiconductors and insulators; electrical conductivity of crystalline semiconductors and insulators
dipalmitoyl phosphatidyl ethanolamine, charge transport in thin biological films grown by the Langmuir-Blodgett technique 2−5832
polyethylene terephthalate films, 'slow' electronic carrier motion 2−5859
polyethylene terephthalate foils, isothermal and TSC 2−5865
polymer films, electret props. anal. using two-component insulator model 2−1552
polystyrene film, undoped and doped with acrylic acid, elec. cond. 2−5641
PTFE, TSC modelling 2−5866
SCL currents in dielec. thin films with Coulomb trapping centres 2−1467
time dependence of the radiation-induced conductivity 2−5861
SiO_x film, reactively evaporated, elec. cond. props. 2−5642

electronic conduction in metallic thin films
see also discontinuous metallic thin films; electrical conductivity of amorphous metals and alloys; electrical conductivity of crystalline metals and alloys
annealing effect *(Spanish)* 2−25165

electronic conduction in metallic thin films continued
solar cells, MIS junction, low work function metals semitransparent films props. 2−23449
Ti-Cu film, elec. resist. and impedance 2−20007
Al based IC metallisations, O conc. detection by resist. meas. 2−5706
Au-Ge laser-annealed ohmic contacts on GaAs, microstruct. and resistivity 2−14698
Mo-Re alloy films, annealing behaviour, elec. resist. meas. 2−5704
Ni-Cr films, segregation, AES, electron diffr. and elec. cond. study 2−24337

electronic density of states
MIS inversion layer solar cells, surface recombination current 2−12860
MNOS structure, quasi-static and HF C(V) curves, insulator polarisation effect 2−25089
Schottky barrier junction, energy distrib. of surface states 2−5625
semiconductor-insulator nonlattice matched interface, U-shaped background density of interface states 2−14716
solar cell, semiconductor-electrolyte junction, superposition principle 2−4343
Al-SiO_2-Si structure, hole mobility and density of states at Si-SiO_2 interface 2−5637
As_2Se_3, amorphous, density of state in gap, dispersive photocurrent meas. 2−25572
Au-InP Schottky diode, elec. characts. 2−14829
$B_{13}C_2$, electronic struct. and semicond. behaviour 2−25035
CdSe-Al_2O_3 interface states, field effect spectroscopy 2−1243
CdSe-SiO_2 interface states, field effect spectroscopy 2−1243
GaAs-$Al_xGa_{1-x}As$ superlattice, mag. quantisation and transport 2−14689
Ge_3N_4-GaAs MIS devices, elec. characts. and memory behaviour 2−25091
Ge_3N_4-n-GaAs MIS devices, interface characts. determ. 2−14883
InGaAsP n-channel inversion mode MISFET with low interface state density 2−9658
Si:H, O sputtered films, amorphous, optoelectronic props., effect of O 2−25580
a-Si:H, photoresponse time and density of localised states in mobility gap 2−25001
Si:H amorphous Schottky barrier diode characts., mathematical model 2−25189
Si:H amorphous solar cell, plasma deposited, impurity effects 2−12864
Si:H(B)(P), amorphous DC sputtered coating, doping and elec. props. 2−19424
Si-SiO_2 interface in MOS structures, radiation-induced trivalent Si defect buildup 2−14705

electronic density of states of amorphous solids *see electron energy states of amorphous solids*

electronic desk calculators *see electronic calculators*

electronic engineering computing
see also circuit analysis computing; circuit CAD; circuit layout CAD; computerised instrumentation; logic CAD
8275 programmble CRT controller, timing parameters algorithm, in BASIC 2−26779
ATE for electronic modules, comprehensive test program set diagnostics 2−22120
bipolar microwave transistors, modelling with simulating program SPICE *(German)* 2−1347
bipolar semiconductor components simulation and anal. using TRANAL programming system *(German)* 2−1360
crossed-field tubes, computer modelling 2−1112
Dresden University IC applications and research group progress report *(German)* 2−1460
electron-beam lithography for small MOSFETs using multilevel resist structure 2−9732
EM pulse finite-difference code THREDII, thin slot formalism implementation 2−15727
gas-filled spark gap triggered RLC ccts. 2−14599
gyrotrons, improved computer modelling of magnetron injection guns 2−14572
hardware structure for testing ICs and PC cards using K1510 microcomputer *(German)* 2−11356
high pass filter design, programmable pocket calculator bar code programs *(German)* 2−814
IC capacitive press. transducer with high sensitivity 2−22237
implanted barrier, transfer of charges in two-phase surfaces *(German)* 2−9667
in-circuit testing data processing, quality assurance improvement 2−8292
inductor CAD, universal interactive program 2−972
Kalman filter design algorithm 2−6460
magnetic tape recoridng, short wavelength, flux distrib., MAGGY2 computer program calc. 2−20509
microelectronic test chips in IC manufacture, data processing 2−9704
MIM cathode, modelling of electron emission 2−9358
modelling photodetectors, position sensitive, effects causing nonlinear position response 2−22273
MOSFET VLSI, capacitance of interconnection lines, calc., comparison with computer solns. 2−15009
PCB artwork generation, laser controlled high density photoplotting onto glass media 2−24779
PCB in-circuit test systems, bed-of-nails contact, test program 2−16790
power transistor, reverse second breakdown characts. meas. before and after neutron irradiation 2−14844
quartz watches accuracy assessment, digital simulation based on Monte Carlo method 2−25393
reactor CAD, universal interactive program 2−972
semiconductor diode, one-dimensional symmetric model, numerical soln. 2−9603
simulation models for unit-under-test representation 2−22125
solid-state pressure sensor, SENSIM simulation program 2−22235
storage oscilloscope simulation in BASIC 2−17003
temperature field of electronic instruments *(German)* 2−11334
transformer CAD, universal interactive program 2−972
tunnel junction low β_c, with magnetically suppressed crit. currents, I-V characts. 2−1612
video signal differential numerical encoder, microcomputer aided *(Italian)* 2−21953
AlGaAs heterojunction photodiodes structures, radiation hardened, computer modelling 2−20744
AlGaAs photodiode structures, computer modelling and radiation testing 2−15404

electronic engineering computing continued
GaAs FET noise characterization at 18 and 20 GHz using noise waves model, computer implementation 2−24708
GaAs IMPATT diode, electrons and holes ionisation rates study using computer anal. 2−9616
Si n-i-p, computer model 2−23557

electronic equipment manufacture
automatic PC soldering, solder dynamics optimisation, reduction of icicle/bridge form. 2−19964
Brazil electronics industry, data processing, microcomputers, ICs 2−8243
circuit board guide, used for mounting PCs 2−19986
collection of reliability data on electronic components 2−4685
component handling equipment for conveying production parts 2−70
component quality, application-oriented description, ppm concept 2−19010
components, quality and reliability, Indian standards 2−24019
components plant, waste treatment, case study 2−8219
computer PCB manufacture, solderability/cleanability requirements of water soluble fluxes vs. rosins 2−14507
continuous vapour phase soldering systems, used in electronic production 2−8266
crystal plate thickness determination in lapping operation 2−22394
design and manufacture, correct assembly techniques 2−1028
electronics manufacturing industry in Ireland, review 2−13258
electrotechnological new manufacturing processes development, methodology 2−86
enclosure market, new venture 2−4654
environmental electrostatic discharge problems, isolation, facility evaluation 2−13277
experiment planning methods in radio components development, review 2−4605
fine-line PCB exposure equipment update, present and new technologies 2−19963
flexible PCBs, three-dimens. interconnection system, development, manufacture and possible future appls. 2−1012
flexible PWBs, high-volume production 2−14429
future trends in manufacturing technology 2−75
glass-metal joints, high-temperature technologies *(German)* 2−13281
goods inward control of semiconductor components *(Danish)* 2−19011
GTD-5 EAX, manufacture in a focused plant 2−2617
GTD-5 EAX component receiving inspection 2−6694
GTD-5 EAX digital switching system 2−2616
high density PCBs, high quality mass soldering 2−14409
high speed relay production, precision automatic test-adjust system design and development 2−3061
high-density PCB manufacture, laser imaging 2−5441
high-density PCB manufacture, liquid negative working photoresists, state-of-the-art 2−5462
high-density PWB production, etching parameters, effect on process 2−14470
high-quality PCB manufacture, very large scale production factory, automated process control, batch capabilities 2−14474
integrated CAD/CAM system using a relational data base 2−89
ionogenic contamination measurement and control *(German)* 2−13280
manufacturing CAD methodology 2−83
mass reflow soldering, heating technique using vapour condensation machine, elec. immersion heater bank 2−13286
mass-produced electronic equipment assessment rel. to UK RFI regulations, production testing procedures 2−8295
metal core PWBs and Multiwire boards, fabrication methods, advantages 2−14469
metallisation procedure, currentless *(German)* 2−9589
microcomputer-controlled manufacturing processes, ATE using programmable meas. equipment and microcomputers, test procedures *(German)* 2−3055
miniature relay manufacture, production laser welding system design and construction 2−5413
mm range waveguide manufacturing methods *(German)* 2−14278
modules, spring cooling slugs transfer device and carrier 2−94
multilayer, PCBs, black oxide processing, chemical conversion of surfaces of interlayers 2−14510
multilayer, PCBs, mass lamination technology 2−14509
multilayer PCB desmear and etchback using dry gas plasma methods, automated operation 2−9320
multilayer PCB fabrication, process control parameters and facilities 2−14427
multilayer PCB fabrication using fine line techniques 2−14468
multilayer PCB IR solder reflow, elimination of blistering and delamination 2−14465
multilayer PCB lamination, silicone rubber composite press pad appls. 2−5452
multilayer PCB manufacture, dimensional instability problem, possible solns. 2−14456
multilayer PCB manufacture, precision tolerance, high-speed electroforming machine and process 2−5440
multilayer PCB processing, dimension changes 2−14425
multilayer PCB production, dimensional stability of laminates, production tests 2−19983
multilayer PCBs, evaluation, manufacture and appls. 2−14381
multilayer plated-through-hole PCBs, hydrophobic seal for damaged PC board laminate/ 2−1031
multilayer printed wiring boards, delamination resistance optimisation 2−9309
multilayer PWB electrodeposition control, $Cu_4P_2O_7$ electrolyte, manufacturing technology 2−14451
multiwire board plated through hole manufacture by catalytic seeding and electroless Cu plating 2−19972
multiwire board technology 2−13295
multiwire circuit boards, wire bonding adhesive 2−19973
Multiwire technology, combination of print-and-etch with computer-aided NC wire placement 2−8262
NC machines setting instruments production 2−16801
PANASERT automated parts insertion machines 2−18991
PC assemblies, plastic protective film conformal coatings 2−24787
PC assemblies, UV curable conformal coatings 2−14462
PC assembly, non-wetting and de-wetting of solder to plain laminate, inspection 2−24786
PC design, manufacture, components and assembly, book 2−4569
PC electroplating processing solns., contaminent removal 2−5448
PC laminates reinforced with fibre glass textile yarns, impact on industry 2−14488

electronic equipment manufacture continued
PC modules in manufacturing process, computerized control, interactive on-line paperless system 2−14511
PC plating shops, pollution control and resource recovery 2−5447
PC technology, fine line reproduction in dry film photoresists, chemical makeup of resist 2−24788
PCB, dry film photoresist performance prediction by resist sidewall anal. 2−14441
PCB, semi automatic component insertion equipment 2−19974
PCB assembly line maintenance, selection and training of technical staff 2−14498
PCB automatic assembly, component insertion, post processor software generated programs 2−14499
PCB CAD/CAM systems, appl. for productivity improvement, future problems 2−5428
PCB cleaning methods, aqueous, chlorinated solvent and fluorinated solvent techniques, cost com- parison 2−5450
PCB cleaning process for removal of rosin, modified rosin, and organic acid fluxes 2−14496
PCB contact pools, excess solder removal whilst in molten state using squeegee system 2−24780
PCB design guidelines for automatic component insertion 2−9294
PCB drilling analysis, SEM appl. 2−9313
PCB drilling energy monitor, on-line system, signal generation for corrective action 2−9315
PCB drilling technology fundamentals 2−9312
PCB dry film photoresist developers, correl. between solvent inhibitor formulation and processing problems 2−5460
PCB dry film solder masks using negative working photopolymer 2−14436
PCB edge connector plating operation, automatic equipment 2−14519
PCB electroplating, automatic control of stabilized electroless Cu solns., Cuposit controller 2−5451
PCB epoxy glass based laminate PDR 100, additive production system 2−14430
PCB epoxy-resin laminate, curing with different ratios of benzyldimethylamine/dicyandiamide 2−14428
PCB etching using alkali and acidic etchants, waste rinse water management and recycling 2−14484
PCB etching/electrometallization processes, water and waste water treatment, ion exchangers and reverse osmosis 2−14485
PCB fabrication, baking photoresist after exposure but prior to developing to improve adhesion 2−1033
PCB fabrication technique, epoxy glass laminates, curing, photoresist exposure and development, electroless Cu plating 2−1034
PCB fine line imaging, resist channel formation, uniform width, process definition/control 2−14505
PCB imaging, polyester photographic films with good size retention props. 2−5464
PCB imaging technique, using dry film over unscrubbed electroless copper 2−9307
PCB interconnection and packaging systems, manufacturing techniques 2−19962
PCB laminate manufacture, high-quality analytical testing 2−14420
PCB laminates with Cu foil cladding, evolution, various types 2−14479
PCB manufacture, additive process adaption for metal core boards and unclad laminates 2−14422
PCB manufacture, cleaners, activators and fluxes, effective use 2−14476
PCB manufacture, connectors aligning and terminating 2−1042
PCB manufacture, Cu-clad material, micro-technique appls. 2−9316
PCB manufacture, electroless Cu plating, water pollution minimisation 2−14480
PCB manufacture, eval. of automatic testing equipment 2−1029
PCB manufacture, liquid photopolymer resists. and solder masks, PROBIMER 48/52 products 2−14464
PCB manufacture, non-rosin based soldering chemicals, recent developments 2−14504
PCB manufacture, PD-R additive process, selective exposure and electroless plating 2−14411
PCB manufacture, subtractive, metal resist. semi-additive and multilayer techniques, review *(German)* 2−1037
PCB manufacture, UV liquid photoresist, photographic imaging, new process 2−5461
PCB manufacture, vertical continuous processing for photoresist removal and Cu etching, chemica- l methods 2−5449
PCB manufacture from photographic masters, techniques and processes 2−9311
PCB manufacturing facilities, management data processing considerations 2−1025
PCB metal electrode face bonding 2−14405
PCB photoresist sidewall form. rel. to conducting path manufacture during electroplating process 2−14515
PCB plating installations, continuous electrolytic recovery of precious metals, economics 2−14421
PCB precision etching using edge protection effect, benzotriazole agents 2−9317
PCB precision solder masks using liquid epoxy photopolymer 2−14413
PCB primary imaging, total aqueous developed dry film photoresists, costs and performance advan-tages 2−5463
PCB processing using aqueous-type photoresist, absolute control of developer/stripper solns. bleed and feed method 2−1032
PCB production, material requirements planning systems 2−18979
PCB production, training course 2−13205
PCB production systems, using microprocessor control, soldering, testing 2−19979
PCB protective solder coating thickness considerations for hot gas levelling 2−14433
PCB rack plating process, savings in consumption of chemicals and rinse water 2−14483
PCB resist printing, CIRTRAK system for screenless image transfer 2−14494
PCB resist stripping process, US appl. 2−14506
PCB rework by local through-hole plating of individual defective holes 2−14466
PCB screen printing with UV curable resists 2−5459
PCB screenmaking, stencil types, transfer, hybrid and all liquid, instructions for prep. 2−14501
PCB shelf life solderability maintenance by air levelling 2−14435
PCB small-scale manufacture and repair with selective plating 2−14416
PCB solder, wetting properties, effect of metallic impurities 2−14434

electronic equipment manufacture continued
PCB solder mask appl., silk screening and dry film process, comparison 2−5455
PCB solder-coater-levelling, hot-air techniques, Schmid SCL System 2−14463
PCB soldering, flux choice criterion rel. to reliability 2−9319
PCB soldering using colophony-base fluxes, effectiveness, board insulation resistance effects 2−14477
PCB static control system improves quality reduces costs 2−14401
PCB technology, educational courses at Technische Fachhochschule, Berlin 2−13204
PCB technology, training 2−14438
PCB with Ag-coated glass spheres, screen printing, curing and appls. 2−5443
PCBs, aqueous cleaning, environmental considerations 2−14516
PCBs, Au electroplating process, cost reduction programme, thickness meas., scrap handling and reclaim 2−14453
PCBs, automatic component lead trimming methods and materials, wave soldering trends 2−14432
PCBs, automatic punch presses for piercing of registration holes 2−1026
PCBs, complex formers and appls., effluent water treatment for separation of metal precipitates 2−14486
PCBs, cost effective use of previous metals 2−14482
PCBs, Cu foils, 17 μm thickness, possibility of thinner foils 2−9321
PCBs, Cu foils, electrodeposited high-quality coatings 2−14473
PCBs, Cu oxide undercut during wet processing of multilayer boards 2−5453
PCBs, electrochemical etching, ELO-CHEM process development 2−14452
PCBs, high density, photochemical image formation process 2−1027
PCBs, high-density imaging, Image Plane Plate glass photo tool development in photomask technol-ogy 2−5439
PCBs, high-volume cross-sectional evaluation, quality control, consideration of planning factors 2−14457
PCBs, high-volume multilayer production using mass lamination techniques 2−14424
PCBs, insulation resistance between conductive paths rel. to use of water-soluble fluxes in soldering 2−14478
PCBs, mass moulding techniques, production capability and facilities 2−5446
PCBs, multilayer lamination methods and constructions 2−14489
PCBs, Ni electroplating, metal distrib., deposit quality 2−14471
PCBs, off-contact exposure of interconnections, UV collimated light source 2−5438
PCBs, paper laminates, improved designs 2−14419
PCBs, permanent photopolymer dry film solder mask coatings for high-density PWB designs 2−14437
PCBs, photopolymerisable epoxy resins, appls. 2−14418
PCBs, precise imaging technique using glassmasters and Diazo photo-tools 2−14495
PCBs, reflow soldering machine using transverse Joulean heating, mass termination appls. 2−14491
PCBs, rigid glass epoxy laminates, composition and processing 2−14490
PCBs, screen printing, practical use of stencils in fabrication techniques 2−14503
PCBs, screen printing stencil manufacture, wet direct concept 2−14502
PCBs, semi-automatic assembly 2−19978
PCBs, Sn immersion coating, etch resist and protective layer appls. 2−14431
PCBs, ultra-thin Cu foil development, fine-line circuitry production 2−14460
PCBs, UV curable solder masks, optimum performance attainment, review 2−14412
PCBs 'product test plan' preparation procedure 2−19985
PCBs alternative test strategies economic comparison using quality curves 2−19984
PCBs prepreg optimization for high-temp. performance 2−14472
PCs, automatic insertion using belted components *(German)* 2−14406
polysulfone thermoplastic PCBs for high-freq. appls. 2−14461
power equipment manufactured in Poland, current range *(Polish)* 2−8260
printed circuits, conference, London, England (June 1978) 2−13160
printed circuits, conference, New York, NY, USA (Jun. 1981) 2−18862
printed wiring assembly cleaning during production utilizing organic solvents and water 2−14487
printed wiring assembly manufacture, production line operator training 2−14493
printed wiring board, solder fusion, IR system, Sn/Pb plating on board 2−9318
production line management, strategy decisions, manufacturing situations, quality 2−13278
production test benefits of CAD/CAM, increase in overall productivity 2−13266
PWB aqueous cleaning procedures for high reliability appls. 2−14497
PWB automatic component insertion, overview 2−14500
PWB fabrication, semi-additive and ultra-thin Cu-clad technology 2−14423
PWB manufacturing technology, use of conformal coating/solder maskant systems for simple maintainability 2−14508
Quality Circles, used for increasing employee motivation *(Spanish)* 2−13302
quality control during PCB manufacture 2−9302
reliability engineering, statistical predictions 2−19040
rigid flex multilayer PCB fabrication, typical system 2−14475
rigid flexible multilayer PWB fabrication, resolution of problems in process by SEM and chromatography 2−14467
Sandar Electronic AS, example of a small successful business *(Norwegian)* 2−18918
soldered connection reliability, training programme for assemblers and inspectors 2−13206
soldering, flux activity testing on production line 2−13288
Southeast Asian electronics industry survey 2−23973
standardisation and certification organisation and current work *(Spanish)* 2−4650
static awareness, operator training 2−13275
static protection, effects of organic cleaners and work surfaces 2−13274
static safe electronics work environment, use of ionized air, test procedure 2−13276
thermoplastic systems, low cost alternatives to engineering resins in electronic equipment manufacture 2−13865
toroidal coils, efficient winding process, machine set-up and shuttle wearout limits 2−23986

electronic equipment manufacture continued
TV colour receivers, Chroma III universal signal processors *(Spanish)* 2−16600
wave soldering, future trends 2−13284
wirewound power resistor manufacture, protective coats based on phosphate binding agent *(Polish)* 2−960
wirewound resistor manufacture, glaze prep. and coating methods *(Polish)* 2−959

electronic equipment testing
A/D convertor automatic testing 2−16783
A/D convertors, dynamic test method using stepped input changes 2−9203
accelerated life tests, mathematical methods *(Czech)* 2−4641
airborne stress transducer stability testing, for meas. bond stress in rocket motor 2−22660
aircraft ECM systems testing, in factory and field environments 2−22129
aircraft navigation and attack system, of German alpha-Jet aircraft *(French)* 2−12032
analogue ATE 2−22085
analogue electronic systems, testability and test complexity 2−11350
analogue switch on-state resistance measurement, test circuit 2−11506
ATE computer programs, hidden cost considerations in long term use 2−18985
ATE modular architecture and flexible switching, hybrid functional test system development 2−22138
ATE PCB guided current probing method, using Flo-Tracer system 2−7015
ATE performance improvement 2−22126
ATE system for electro-optical units, 3-port 2−26768
ATE test and inspection, microprocessr-controlled optical scanning system 2−11366
ATE test programs development, in-house test engineering vs. outside vendor 2−24006
ATE user interfaces developments, integrated approach 2−22147
automatic, system operation and control *(German)* 2−3038
automatic testing for electronics manufacturing, conf., Boston, MA, USA, (June 1981) 2−8146
automatic testing in production *(Italian)* 2−22045
automobile spark timing control circuits testing, field and bench test instruments 2−13049
avionics and test equipment design for testability 2−7374
avionics design w.r.t. testability 2−22690
avionics display, CRT substitution by quartz-iodide lamp 2−7377
avionics system, Caravelle flying laboratory 2−12031
AXE exchanges prototype testing, using laboratory model *(Croatian)* 2−2613
bare PCB ATE for manufacturing facility 2−14459
bare PCB testing, importance to end user 2−14512
binary decision diagrams appl., test generation and analysis 2−24500
board level computers, applications in equipment testing 2−11379
British Rail electronic equip. for traction and rolling stock, design, maintenance and repair 2−16911
BS 9000 electronic components, reliability quality factors, use of MIL-HDBK-217C model, comparative product assurance anal. 2−8286
built-in test equipment techniques 2−11376
burn-in test design criteria 2−23977
cable testing cct., using LEDs 2−979
capacitance grain moisture meter testing using reference materials, savings assessment 2−17176
capacitor reliability tests, error causes, failure rate *(German)* 2−19903
capacitors, breakdown voltage under single-pulse conditions 2−24742
capacitors, high-volume testing for production/inspection appls., meas. instrumentation selection 2−13279
card testers interfaces evaluation 2−19941
complete electronic systems, reliability of forecasts and reduction of costs *(Italian)* 2−4664
component screening and profitability 2−13316
component tester, used for transistor op amps 2−18971
computer-lased product testing, new equipment requirements 2−69
computerised testing, economics of functional testing of electronic devices throughout manufacturing cycle 2−8253
contact identification, using microprocessor, monostable cct., NOR-gates 2−9262
contactless chip-tilt measurement method and apparatus 2−3271
continuity tester, adjustable sensitivity 2−18972
continuity tester for bread-board checks 2−11504
convertor, based on consumption current 2−26810
costs control and analysis 2−8193
CRO used for electronic component testing, charcts. 2−7135
custom IC devices test planning 2−18986
D/A convertor testing, when digital and analogue components are on name card 2−9189
design for testability 2−19033
digital circuitry, Sperry's USER tester 2−22146
digital neutron-gamma pulse shape discriminator tests with NE213 scintillator 2−3425
digital PCB feedback analysis−an aid to digital test pattern generation 2−792
digital PCB functional testing using vacuum fixtures 2−14513
digital PCB self-test method, features and implementation 2−19610
digital random pulser for testing nuclear instrumentation 2−3422
digital tester enhancement 'universal pin electronics' concept 2−11365
distributed processing digital switching system testing techniques 2−2634
dry reed contact, correlation between switching phenomena and characteristic life 2−1000
dry-circuit contacts, review of environmental tests 2−5397
dry-reed contacts operated by permanent magnets, test method 2−5414
ECL loaded boards in-circuit testing 2−9288
education in design for testability, Navy's course for engineers and managers 2−18911
electrolytic capacitor measurement bridge, capacity value determ. and capacitor leak detect. *(Spanish)* 2−11534
electronics skill shortage increases industry's problems in Britain 2−18941
EM relays assurance test method using microprocessor 2−998
embedded memory testing system, using software-controllable algorithm pattern generator 2−6998
EMC meas. using TEM cell 2−15740
emission testing of electronic instruments, computer-controlled 2−21132
enamel coated braided cable, SGEMP response and shielding effectiveness 2−14328

electronic equipment testing continued
FACT II ATE system, 1967-80 development 2−26715
fault isolation test system architectural concepts 2−149
functional PCB testing, increased throughput 2−19965
gold sealed relays, appls. and testing 2−5410
GTD-5 EAX digital printed wiring card test philosophy 2−2618
GTD-5 EAX production frame testing philosophy 2−2619
HF all-band general-coverage transceiver 2−26581
HF and microwave generators with low phase noise, test methods *(German)* 2−9045
high speed relay production, precision automatic test-adjust system design and development 2−3061
hollow beam electron gun for gyrotrons, design and testing 2−14561
hybrid PCB test, bed-of-nails ATE fixturing techniques 2−16842
IBM series/1 minicomputer for system verification and calibration 2−22109
impedance bridge for 'in-circuit' meas. 2−11538
in-circuit automatic test systems for PCB 2−11344
in-circuit emulation, component testing on dynamic bus structured boards 2−22149
in-circuit test systems capabilities and implementation 2−8261
in-circuit test techniques applied to complex digital assemblies 2−19955
in-circuit testing, testability requirements 2−4680
in-circuit testing data processing, quality assurance improvement 2−8292
in-circuit testing of complex analogue and digital components, efficient programming approach 2−9289
indicating instruments, input keys requirements, tests and selection *(German)* 2−11515
innovative test equipment design 2−3537
loaded PCB test defect reporting system, computerised system 2−16840
logic PCB testing, PLT, a test language for new products 2−793
logistic support analysis education, Navy's course 2−18912
loop adapters, new sync clocking to ensable testing 2−5177
LSI/VLSI era, managing test problems 2−84
maintenance engineering education 2−18913
Micro-System Troubleshooter Model 9010A, testing of microprocessor bus and bus-connected devices in- electronic equipment 2−6993
microcomputer power supply automatic testing with low cost systems 2−23352
microelectronic systems, automatic testing proposal *(Italian)* 2−22046
microprocessor based circuits testability design 2−7027
microprocessor based equipment, test strategy 2−8258
microprocessor boards testing techniques review 2−5259
microprocessor controlled digital test subsystem tailored to automatic test program generator output 2−26764
microprocessor systems, field service, tools, future requirements 2−23963
MIL-STD-461B, application tables 2−25984
military aircraft equipment EMC certification, critical systems safety determ. 2−17497
modules automatic testing, comprehensive test program set diagnostics 2−22120
motor-car trains of type line 270 DC chopper regulator testing engineering *(German)* 2−23369
Motorola 6860 based design and test program is machine code *(French)* 2−21675
MS420A network/spectrum analyser 2−7061
multi-level testing of complex assemblies 2−26729
multilayer board assembly reliability rel. to design, accelerated life testing 2−14399
multilayer PCB plated-through-hole reliability, effect of drilled hole wall quality and Cu plating thickness 2−9314
naval electrotechnical equipment testing, EMC problems, identification and solution 2−10528
nonlinear amplifiers intermodulation meas. using microcomputer 2−17113
operational amplifiers handbook 2−13144
optical testing of computer circuitry 2−13272
passenger multiplexing service system for Boeing 767, in-plane and on-ground test equipment 2−12034
PC artwork measurement, automatic optical inspection, Validator Optical Edge Finder System 2−16843
PC assemblies, test defect data logging system based on Sperry-Univac 1182-mainframe 2−22062
PC boards, using microcomputer/minicomputer system, field service costs and speed reduction 2−24007
PC testing contact slot, using screwdriver connection 2−19939
PCB, ATE requirements and capabilities, user's viewpoint 2−9310
PCB, designing to testability, optimisation of interface with ATE 2−1016
PCB, user requirements for dynamic high speed functional tester 2−9290
PCB and IC package inspection using spring probes 2−13299
PCB ATE, continuity/shorts testing in high-volume appls. 2−16839
PCB automatic insertion technology with on-line testing and optical inspection 2−14514
PCB CAD/ATE systems, interrelationships and interfaces 2−5458
PCB economics of 100% test of incoming inspection 2−74
PCB electrolytic corrosion effects, insulation resist. meas. of laminate following humidity cycling 2−14455
PCB functional testers 2−14363
PCB glass fibre epoxy laminates, water absorption, accelerated ageing test rel. to elec. and phys. props. 2−14454
PCB in-circuit test systems, bed-of-nails contact, test program 2−16790
PCB in-circuit testers, high-reliability test appl. 2−9287
PCB in-circuit testing, design for testability rules elimination 2−5429
PCB in-circuit testing interface requirements and a design approach 2−9286
PCB interfacing to ATE, using bed-of-nails techniques 2−9291
PCB laminate punchability, laboratory tests 2−14376
PCB laminate punching tests, material composition evaluation, through-hole generation mechanics 2−14458
PCB manufacture, eval. of automatic testing equipment 2−1029
PCB module pin/line cct. capacitance meas. test fixture, interface with bridge instrument 2−19936
PCB production, material requirements planning systems 2−18979
PCB test instrumentation, DMM appl. 2−17013
PCBs, Cu foil electroplating, effect of manufacturing parameters on ductility/tensile strength of board 2−14481
PCBs, IPC Multi-Purpose Test Pattern B-25 meas. of dimensional and elec. charcts., quality control 2−14395
PCBs 2−1035
PCBs 'product test plan' preparation procedure 2−19985
PCBs alternative test strategies economic comparison using quality curves 2−19984

electronic equipment testing continued
PCBs containing microprocessors 2—9285
PCM switching system analogue data channels automated testing 2—16281
PCs, real-time holographic method 2—10382
piezoelectric crystals, test ccts. 2—13270
PIN module for high accuracy and timing control in ATE systems 2—18984
potentiometer testing errors determ., temperature meas. using thermoelectric thermometer 2—17158
power supplies, automatic test system for production environment 2—16813
printed using board warpage measurement, comparison of use-related and conventional methods, BELLPA- C packaging system appls. 2—5427
printed wiring board, nondestructive through-hole Cu thickness meas., probe design, 4-point microre-sist. technique 2—5426
production test data management, GRnet system, ATE computer network 2—16838
production testing 2—18969
PWB in-circuit and functional testing, automatic signal tracing facility 2—23987
PWBs, detergent cleaning of FR-4 test coupons, reliability testing 2—14492
quasidigital testing of analog ccts. *(German)* 2—5078
radio-controlled models, test equipment *(Spanish)* 2—3173
railways vehicles, on board testing of electronic equipment 2—16834
real time functional tester, used for controlled environment systems emulator 2—6997
recticle generation circuit, for TV set testing *(Spanish)* 2—11188
relays, automatic testing using microcomputer controlled test system 2—3060
relays, low cost microprocessor controlled test system 2—7028
repair and testing approaches for printed circuit boards 2—4684
RF equipment testing, 9303 RF level meter, Racal-Dana 2—16780
satellite cables response to system-generated EM pulse 2—14329
satellite instrumentation, communications, DSCS III 2—12001
semiconductor strain gauges for meas. of pressure and pressure difference, determ. of water turbine throughput *(Czech)* 2—11454
solder joint inspection on PCBs using laser-pulse heat injection and IR thermal sensing 2—9322
solderability test methods of plated through holes *(Hungarian)* 2—14408
Space Transportation System communications testing and tracking links for first orbital flight 2—12059
speech codecs, microprocessor-controlled S/N ratio meas. system 2—11371
standard electronic modules, thermal analysis using superposition method 2—8269
standards for tropical protection 2—8254
stepper motor drive system, forms pedestal switching testing 2—23979
telecommunication equipment, mechanical durability test, loads occurring during transport *(Hungarian)* 2—8255
testability and diagnostic resolution, effects on test quality 2—4678
testability assessment of a system design 2—23972
testability economic assessment 2—19032
Testomat-C, digital telephony PCBs testing *(Hungarian)* 2—7006
text communication acceptability field expt. 2—21475
thermography, used for electronic component board fault detection *(German)* 2—72
thyristor crosspoint technique for both anode and cathode rate effect evaluation 2—4638
thyristor crosspoint test tool for both anode and cathode rate effect evaluation 2—4639
TV receiver If and power stages, Lucius and Baer storage oscilloscope appl. *(German)* 2—3174
TV transmitter performance monitoring, automatic video signal processing instrument with logging capability 2—22083
type approval testing and production control, interpretation of limits 2—21154
Universal PC-board Tester, system and operation 2—16823
Veritron controllers, 2-20 kW, computer-aided testing for reducing testing time *(German)* 2—23975
wave digital filter transmultiplexer simulation and testing 2—6680
X.25 protocol tester, appl. for business telecommunications *(German)* 2—26283
Zehntel Troubleshooter TS800 equipment, used for component by component testing *(Italian)* 2—22060
Au plating thickness testing, combined microsectioning, β backscatter SEM method 2—14337
Cu and Al wires in wire-wrap and slit-clamp connectors on printed board, contact characts. *(German)* 2—14364

electronic funds transfer systems *see EFTS*

electronic mail
active message processing 2—16093
addressing and directory systems 2—16097
authentication cryptographic principles 2—21480
British Telecom plans for electronic message transfer between offices 2—10807
bulletin board expt. in forecasting 2—16077
COCOS internal mail system, PDP 11, IBM 370 appl. 2—21490
COCOS system 2—16103
Continental Illinois Bank system 2—16078
cryptography key distribution 2—2481
data communication services *(German)* 2—10770
delivery and future use 2—10806
design issues of protocols for computer mail 2—21477
development and design, conf. at Ottawa, Canada (1981) 2—16085
development in developing nations 2—16086
digital signature 2—21478
DS-1 international packet switching system 2—16091
DSX-40 PBX attachment for teletex 2—26237
European electronic mail survey 2—10810
feedback control 2—16090
German Post Office's teletext service, appraisement rel. to electronic mail systems, future uses *(German)* 2—21502
human factors 2—16105
human factors 2—16108
integrated communication services, history and current status *(German)* 2—26199
integrated electronic office systems, effects on users 2—26183
integrated services digital network 2—16088

electronic mail continued
international message service for corporate use 2—16102
library use 2—26245
local, HP experience 2—16089
MAIL2K system 2—16101
message processing 2—10805
message standards 2—16094
message switching electronic mail and facsimile terminals *(French)* 2—21474
MSG system 2—16099
multimedia computer mail, data structures and presentation control 2—26238
naming, addressing and routing 2—16098
network data protection, ISO standard 2—16106
nonimpact printers in word processing, electronic mail, DP and electronic printing and publicity 2—15638
office automation role 2—16104
office systems, techniques for meas. effect of electronic office systems on users 2—16252
remote copying machines *(German)* 2—10813
remote writing terminals and audiographic services *(French)* 2—21476
research organisation experiences 2—26651
service definitions 2—16092
specification methodology 2—16095
standards, users' caution 2—10808
standards for electronic message systems 2—16074
Swedish and West German teletex services compared *(Swedish)* 2—21471
TELEMAIL, appl. of TELENET packet switched network 2—10867
Telematics impact on employment in Mexico 2—21479
telematics problems for business and professional users *(French)* 2—21536
telematics research in Italy *(Italian)* 2—26195
teletex, basic service in office automation *(Finnish)* 2—16071
teletex, German Post Office Test Station terminal *(German)* 2—10799
teletex internal office message system prospects 2—21470
Teletex system developed by German Posts and Telegraphs Dept. *(German)* 2—6553
teletex systems in W.Germany *(German)* 2—26243
text communication acceptability field expt. 2—21475
transport connection 2—16096
United States postal service, technologies developments 2—10809
University of Brazil project 2—16100
Unix network implementation 2—26267
user interface design philosophy 2—16107
videotex, teletex and facsimile services, unification advantages and obstacles *(French)* 2—21472
voice mail store and forward system 2—10804
West German Teletex service features and organisational effects 2—21473

electronic music
see also musical acoustics; musical instruments
4CED digital synthesizer program 2—2972
alphaSyntauri music synthesizer review 2—16692
analogue ccts. for sound animation 2—16715
Band-box provides drums, bass and chord instrument for solo musicians 2—22012
bass guitar active 'stereo' unit, using TL064 BIFET quad op-amp 2—22004
computer controlled polyphonic synthesizer 2—26662
computer-controlled synthesiser keyboard 2—2981
digital additive synthesis for computer music 2—26663
drum synthesiser, using ICs 2—6961
drum synthesiser, using SN 764 77N complex sound generator IC 2—21992
duophonic synthesiser keyboard, using constant current resistor chain 2—2983
Electrochune 23-note organ with special effects, using VCO, 555 IC timers 2—11263
electronic organ divider ccts., using 4520 ICs 2—2967
electronic organ project 2—2968
electronic organs, special effects, delay and glide *(Spanish)* 2—6960
generator with retriggerable operation 2—16693
graphic equaliser for electric guitar, using op. amps. 2—21991
guitar 'wha-wha' (Hawaiian) effect production *(Spanish)* 2—6965
hand clap synthesiser, used for disco music 2—2980
miniature keyboard with octave shift mechanism, Wagnephone 2—2979
Module for TI 99/4 2—6952
MUSBOX compiler for Systems Concepts digital synthesizer 2—2973
music processor, providing switch-selected musical effects 2—16699
music synthesizer development review *(German)* 2—16727
musical car horn, design and construction 2—22013
musical note generator, using logic cct., decoder ICs 2—6955
MUSICOLOUR IV 4-channel colour organ plus light chaser 2—16694
organ, digitally controlled, using Siemens MOS tone generator *(German)* 2—11275
organ, square to sinusoid wave converter filters *(Spanish)* 2—11285
organ, supplementary bass unit 2—21995
organ voices, modified using active band-pass filters, waveform generator 2—2990
organs, registers containing preprogrammed sounds, modification of harmonic content of notes *(Spanish)* 2—11286
organs design, 'click' effect suppression *(Spanish)* 2—2997
PE Band-Box electronic music generator, microcontroller peripheral system 2—26667
phase locked loops synthesiser appl. *(German)* 2—19596
programmable electronic music box, conversion to pushbutton operation 2—2975
reverberators, theory and appl. to Hammond organ *(Italian)* 2—16687
rhythm unit for electronic organ *(Spanish)* 2—26669
sound processor design, VLSI applns. 2—11262
stylus organ, construction details 2—16689
subtractive music synthesis, efficient digital implementation 2—2970
synthesiser invitation of musical sounds 2—16688
synthesizer, appl. of phase-locked loop *(German)* 2—21998
synthesizer, exponentiator-multiplexer use *(Dutch)* 2—2969
synthesizer comparison 2—2971
three note gong built with IC SAB 0600 *(German)* 2—16696
voltage controlled square wave oscillator, using CMOS invertors 2—21994
waistcoat-pocket organ *(German)* 2—16734

electronic news gathering
camera survey 2—26634
colour hand camera for TV broadcasting *(Japanese)* 2—11228

electronic news gathering continued
European and US approach, differences 2—26635
Heli-tele, TV transmission using helicopters fitted with microwave equipment 2—21965
NHK electronic news gathering and feature production systems 2—26632
portable colour TV camera developments *(Japanese)* 2—11214
RCA Hawkeye recording camera system 2—26633
Sony's colour TV camera for testing electronic gathering system, DXC-1600 series 2—2937
underwater imaging equipment, ENG camera appl. *(Japanese)* 2—16652
VTR, compact, appl. for broadcast use 2—21980

electronic switching systems
1A Processor from Bell System, updated hardware and software 2—26330
2 kW peak miniature switching-office invertor 2—28033
16 bit microprocessor appl. 2—26335
AKE/AXE SPC systems, operator system design rel. to human factor 2—16289
applications of LSI circuits *(Italian)* 2—16177
architecture evolution, review 2—16261
ARE 11 SPC local telephone exchanges, operation experience in Finland 2—10915
automatic call distribution systems, effect of post-call activity on queueing theory predictions 2—15961
Automatic Call Distribution systems, multinode private network planning, traffic overflow/diversion 2—2638
automatic exchange database administration system 2—2631
AXB 20 telex and data switching system, store and forward facility *(Croatian)* 2—2612
AXB 20 telex exchange, system description 2—6696
AXB 30, extension of telegraph facilities in Yugoslavia *(Croatian)* 2—2465
AXE 10 digital transit exchanges 2—16276
AXE 10 system for digital telephone networks, review *(Czech)* 2—16285
AXE exchange, conversion from AGF exchange *(Swedish)* 2—21702
AXE exchanges prototype testing, using laboratory model *(Croatian)* 2—2613
Bell No.1 ESS, call overloads, elimination of dial-tone delays 2—6688
Bell System Dimension 2000 PABX, hospital appls. 2—6697
Bell System No.5 ESS, description 2—26326
Bell System No.5 ESS, system hardware, software and architecture 2—26352
biphone carrier system, bipolar amplitude modem chip 2—16305
call charge accounting in a PBX using disk system 2—2620
central expert support for maintenance and installation 2—16277
central office ESS conversions 2—26329
central/distributed control telecommunications switching systems, signalling, software processes *(German)* 2—26323
CHILL programming language, development history 2—21695
CHILL software development system for SPC telephone exchanges 2—26334
common channel signalling in automatic telephone systems, message delay probability, No.7 system 2—16286
concurrence processing in CHILL high level language *(Italian)* 2—10912
crossbar switching system enhancement by SPC facilities 2—2635
Czechoslovak telephone network, synchronization between directly/indirectly controlled systems 2—26324
D30 electronic switching system for small offices *(Japanese)* 2—21697
D 10 software system with function module structure *(Japanese)* 2—21696
data switch connecting terminals to computers, software organization 2—10908
digital information technique *(German)* 2—26348
digital line interface controller and interaction with switching network 2—16275
digital remote unit integration with SPC digital switch in urban loop plant, planning and administr-ation 2—6726
digital switching brings flexibility to telephone network 2—26351
digital switching techniques in UK, system X *(German)* 2—6692
digital telephone exchanges, interfacing 2—2622
digital telephone switching for public networks—the basis of future telecommunications 2—16290
distributed processing digital switching system testing techniques 2—2634
DIV 200/400 digital telephone transmission system *(German)* 2—26341
DPCM: a dynamically programs checking oriented machine 2—6702
DX-100 time division transit exchange for Finnish telephone network *(Finnish)* 2—2609
dynamic routing among digital telephone switching systems 2—26229
E10 TDM digital switching system incorporation into integrated services network, technology and planning 2—6723
E10B system fault location method 2—2627
E10B system traffic handling capability methods of evaluation 2—26337
E10.S/TSS.5 digital PCM switching system, appls. in private-line networks, mobile radiotelephone networks and directory service 2—6690
ECL encoder and decoder circuit, 4-valued logic levels 2—19646
electromagnetic compatibility problems, PROTEO, system field testing *(Italian)* 2—10930
EPEX PABX, SPC system, call handling system and software struct. 2—16274
equipment codes, Reconfigurable Access Functional Test System 2—26353
Euronet packet switching exchange 2—21701
EWSD, digital telephone switching system, equipment practice 2—16299
EWSD computer-controlled digital switching system for public telephone networks, operational structure 2—16291
EWSD digital communication system for telephone exchanges *(Czech)* 2—10925
EWSD digital telephone switching exchange in Johannesburg, South Africa 2—16302
EWSD digital telephone switching system, CCITT common channel signalling 2—16296
EWSD digital telephone switching system, improved electronic components 2—16300
EWSD digital telephone switching system, operation and maintenance 2—16298
EWSD digital telephone switching system, peripheral line/trunk groups 2—16294
EWSD digital telephone switching system, software structure 2—16292
EWSD digital telephone switching system, structure of functional blocks 2—16293
EWSD digital telephone switching systems, synchronous operation 2—16297

electronic switching systems continued
EWSD digital telephone switching systems for Deutsche Bundespost 2—16301
EWSD telephone switching system, programmed aids 2—10933
fault location in ESS networks, using computer-aided analysis 2—10911
field experience, at Continental Telephone 2—10939
Focus System Five digital central office architecture 2—2629
GTD-5 EAX, adaptation for international appls. 2—16279
GTD-5 EAX, manufacture in a focused plant 2—2617
GTD-5 EAX, real-time simulation modelling 2—26344
GTD-5 EAX component receiving inspection 2—6694
GTD-5 EAX data base administration system 2—26343
GTD-5 EAX digital printed wiring card test philosophy 2—2618
GTD-5 EAX family of digital switches 2—16284
GTD-5 EAX manufacture and quality testing 2—2616
GTD-5 EAX manufacturing data acquisition system 2—3095
GTD-5 EAX production frame testing philosophy 2—2619
GTD-5 EAX software development environment 2—26345
hybrid business communications system with high flexibility 2—10910
hybrid switching systems for circuit- and packet-switched services, anal. and design 2—2645
ICs, introductory overview and applications to digital exchange systems 2—21704
inland telecommunication network, plans for system X 2—15979
integrated digital data switching and transmission systems 2—26377
integrated services digital network, exchange for distributed control 2—6709
Integrated Services Digital Network, synchronisation of switching and transmission systems 2—10943
Integrated Services Digital Network, technology, economics and customer demand, overview 2—2643
Integrated Services Digital Network switching office model *(Italian)* 2—21612
integrated switching, SPC capabilities for reducing cost of interfacing local network with surrounding environment 2—2648
integrated text, data network concepts *(German)* 2—16278
interface equipment for PARCOR audio response system *(Japanese)* 2—26340
international gateway digital switching machine 2—26350
interrelation of microelectronics and telecommunication systems *(Italian)* 2—16273
ISDN switching office model, telematics networks appl. *(Italian)* 2—16008
ITS system, field experience 2—10941
ITT 1240 Digital Exchange: advanced LSI component technology 2—26360
ITT 1240 Digital Exchange: an introduction 2—26356
ITT 1240 Digital Exchange: appl. to local telephone networks 2—26365
ITT 1240 Digital Exchange: appl. to the toll network 2—26366
ITT 1240 Digital Exchange: distributed control architecture 2—26357
ITT 1240 Digital Exchange: equipment practice 2—26370
ITT 1240 Digital Exchange: hardware architecture 2—26358
ITT 1240 Digital Exchange: implementation of CCITT No.7 common channel signalling 2—26368
ITT 1240 Digital Exchange: manufacture and installation 2—26371
ITT 1240 Digital Exchange: network planning and appl. 2—26372
ITT 1240 Digital Exchange: operations and maintenance 2—26362
ITT 1240 Digital Exchange: operator subsystem 2—26367
ITT 1240 Digital Exchange: product support systems 2—26369
ITT 1240 Digital Exchange: software concepts and implementation 2—26361
ITT 1240 Digital Exchange: system effectiveness 2—26363
ITT 1240 Digital Exchange: traffic handling capacity 2—26364
ITT 1240 Digital Exchange 2—26359
line switching IC, n-channel DMOS *(French)* 2—16303
London transports centralised public address and integrated communication system 2—13019
M-10CN centre, collection of statistical data and its applications *(Croatian)* 2—10932
maintenance, control and protection of remote electronics, overview 2—10919
maintenance measures deduced from investigations into reliability *(German)* 2—4619
MARK computerised record-keeping system, conversion to electronic switching equipment appl. 2—16056
microprocessor and optoelectronics based packet switch for satellite communications 2—2759
microprocessor control of digital telephone exchanges, developments 2—2615
microprocessor controlled PABX design 2—2607
Minnesota Power Co., computerised branch exchanges in star network 2—6548
modular central office exchange with saturation routing scheme *(Italian)* 2—10929
monitoring, Engineering and Administrative Data Acquisition System, Network Operations Report Generator software package 2—2608
MOS memories, future in telecommunications 2—9742
MT8980, DX IC for digital switching appl. 2—26333
MT 25 TDM ESS for medium- and high-capacity subscriber exchanges, functional units and software struct. 2—6689
NEAX 615 digital telephone switching system for central office 2—2625
network transition from analog to integrated digital, integrated services digital networks 2—10944
No.2 EAX, 2A to 2B processor conversion 2—16280
No.2B ESS, from Bell Telephone Co., for suburban use 2—26328
No.5 SPC time division system introduced by Bell Telephone Co. 2—26327
non-voice service integration into ITT 1240 digital switching system *(Italian)* 2—21620
NTT D100B software system, commercial test results 2—26346
office automation system based on PABX switching network *(Italian)* 2—16189
PCM 30D switching system, digital signal multiplexing equipment *(German)* 2—10918
PCM switching system analogue data channels automated testing 2—16281
power units and power distribution in the BYB construction practice 2—8967
PROTEO terminal exchange, message transfer part of common channel signalling system, CCITT no.7 *(Italian)* 2—10931

electronic switching systems continued
quasielectronic and electronic automatic telephone exchanges, distributed control *(German)* 2−2623
rural community communications system DEFT 1/8, using single-voice radio link 2−10974
satellite switching centre for satellite switching TDMA systems 2−2753
satellite-switched TDMA microwave switch matrix integration and testing 2−2755
SEL PABX Unimat 4070, control arrangements *(German)* 2−10924
semiconductor switches in digital telephone systems 2−10914
Siemens PCM-time multiplex exchange system *(German)* 2−26342
SIEMENS SYSTEM EDS text and data switching system, development of software 2−10936
SIEMENS SYSTEM EDS text and data switching system, on-line maintenance by exchange site program 2−10938
SIEMENS SYSTEM EDS text and data switching system, software maintenance 2−10937
SIEMENS SYSTEM EDS text and data switching system 2−10935
SL-1 integrated digital switching system, installation at Vanderbilt Univ., TN, USA 2−6722
software development, SL1 specification language 2−2632
SPC small capacity exchange, microprocessor controlled 2−2614
SPC switch design by sequential logic analysis 2−2633
SPC switching system processor capacity, influences and specification 2−2636
SPC switching systems, automatic testing procedure *(Italian)* 2−16283
SPC systems, method of evaluating interface 2−10928
SPC telephone exchange software construction, CHILL Development System *(Italian)* 2−16304
SPC telephone exchanges, CHILL software development system 2−6703
SPC telephone exchanges, operational systems 2−10927
SSP 112D microelectronic switching processor for digital communication systems 2−16295
stored program control PBXs, applns. 2−2624
stored program controlled exchange, table initialisation 2−2621
stored program controlled exchange for telex and data traffic 2−21699
stored program controlled PABX, AXB 20 2−10916
stored-program telephone switching office automatic programming system 2−6698
subscriber connecting units for digital switching systems *(French)* 2−21698
subscriber line card in distributed control switching system 2−2628
SUPER 10, program-controlled subscriber identification in direct-dialing telephone systems 2−10934
surveillance and maintenance *(Croatian)* 2−10760
switching junction, electronically-controlled 2−10926
System Century Digitial Central Office, evolution 2−10940
System X, introduction into digital telephone networks 2−2456
System Z, telecomm. system modernisation, customer services 2−26332
TASI-E communications system, time assignment interpolation technique, electronic cct. multiplier 2−2639
telephone, system technology development, review 2−16264
telephone exchange, digitally-switched stored program control units 2−10909
telephone exchanges, numerical, less cost and higher performance *(Italian)* 2−6691
telephone exchanges, SPC using a microcomputer *(German)* 2−6693
telephone switching control technology developments, review 2−16262
telephone switching system, EWSD, operating system 2−21703
telephone traffic studies *(Japanese)* 2−26209
telex private branch exchange EMX 1010 2−21700
testing thyristor crosspoint technique for both anode and cathode rate effect evaluation 2−4638
thyristor crosspoint test tool for both anode and cathode rate effect evaluation 2−4639
TP 3100A/B digital-line-interface controller for voice and data switching 2−2611
waiting time distribution for call-processing tasks in an SPC telephone system, offered to the processor via a clock-pulse operated gate 2−10733

electronics applications of computing *see electronic engineering computing*

electrooptics *see electro-optical effects*

electroosmosis *see osmosis*

electrophoresis
see also electrophoretic coating techniques
dielectrophoretic levitation, cusped electrostatic fields 2−2095
dielectrophoretic levitation, electrode geometries 2−7192
display materials as related to performance 2−1750
image displays, optical properties 2−26919
laser Doppler velocimetry appl. 2−2059
photoelectrophoretic display system, effects of device parameters 2−22319

electrophoretic coating techniques
No entries

electrophoretic coatings
glass-isopropanol slurries, electrophoretic deposition of coatings 2−5037

electrophotography
amorphous semiconductors, appl. 2−25028
charge/mass and toner conc. simultaneous meas. of dry electrophotographic developer 2−13124
controlled corona ion source 2−10411
CRTs, advantages for electrophotography 2−15645
developing complex, charge induced at carrier during polarisation assoc. with elec. field of latent image *(Russian)* 2−10432
electrographic magnetic stylus recording, non-impact mag. printing 2−15660
electrophotographic printers, description of operation *(Japanese)* 2−21040
fibre optic CRT addressed xerographic engines 2−15644
HV corona power supply, switching regulation and appls. 2−4284
imaging process in electrophotographic printing 2−21044
Kodak film product operation 2−2096
large format electro-camera research mag. system 2−5960
laser diode appls. 2−15594
laser diode recording, As_2Se_3 based photoreceptor 2−15649
laser diode recording, modulated light source 2−15593
laser electrophotographic printing technology 2−21037
laser imaging, sensitivity of organic photoconductors 2−15647
laser print parameters 2−15640
laser printhead beam power servo for reduction in exposure pot. variation 2−15631
laser xerography, optimum scanning parameter and latitudes 2−15639
lasers, high efficiency symmetrical scanning optics 2−15642

electrophotography continued
lasers, modular raster output scanner 2−15643
LED arrays, appl. in electrophotographic printer 2−16084
linear printer using simple scaning system 2−15641
low-voltage two-corona copier system, elimination of localized photoconductor destruction 2−25907
magnetic brush developer, developer mechanism on developing powder fatigue and reproduced image quality *(Japanese)* 2−15629
magnetic brush development, two-component analysis *(Japanese)* 2−15628
magnetic stylus recording 2−6304
magnetic toner for organic photoconductors 2−20724
model calculations/ of the interaction/ between an AC corotron/ and a moving dielectric/ 2−4557
nonimpact printers, geometrical flow model of development 2−21045
nonimpact printing, high density conductive addressing circuits fabrication 2−19991
nonimpact printing technologies, conf., Venice, Italy (June 1981) 2−18860
optical density of electrophotographic copies, carrier powder grain size influence *(German)* 2−21019
physical model for magnetic brush development in xerographic machines 2−18829
poly-N-vinylcarbazole layers with added dicyanomethylene derivatives of indandione-1,3 and isatan, electrophotographic sensitivity *(Russian)* 2−10433
polyvinyl acetate films, corona charged, surface charge decay charact. thickness depend. 2−13127
printing, charge transfer across organic photoconductor/insulating liquid interfaces 2−21048
printing, signal/noise and resolution limitations 2−21043
resistive one-component toner systems development, model 2−13122
reversal development basic equations of electrostatic fields 2−21047
review of material prep. phenomena, and uses *(Japanese)* 2−1678
single component magnetic toners, imaging and fusing aspects 2−21046
thermoplastic recording medium, electric field and potential during electrophotographic information transfer *(German)* 2−10412
toner image, electrostatic transfer, expt. and theoretical study *(Japanese)* 2−10430
toner image transmission models *(German)* 2−6295
touch-down development, theoretical and expt. study *(Japanese)* 2−15627
TV programme title design appl. of colour electrophotography *(Japanese)* 2−16633
two color laser beam printer 2−15646
xerographic development of residual voltage variations, model 2−13123
xerographic plates charging, corona current control by mesh grid 2−18828
xerographic recording, non-reversal, laser character generation methods *(Hungarian)* 2−10401
xerography, laser scanning system appls. 2−2070
As-Se-Te, amorphous, photoconductor for electrographic printing 2−25577
As_2Se_3, amorphous, geminate and non-geminate recomb. 2−9454
CdS:Cu,Cl, elec. props. and imaging charact. in xerographic mode 2−15383
CdSe:Cu binder layers, near infrared sensitivity 2−15651
Pb oxide electrophotographic layers, mono-and polyphase types, photosensitivity and photodischarge parameters *(Russian)* 2−10431
Se, amorphous, electrophotographic phenomena, review *(Japanese)* 2−1678
Se-As-Te, chalcogenide photocond. in near IR region 2−25565
Se-Te, electrophotographic properties 2−15648
Se-Te photoreceptor, structure and properties 2−15650
a-Si:H, appl. in electrophotography and vidicon devices 2−20107
Si:H amorphous films for electrophotographic appl., photoelec. props. 2−24928
ZnO, coadsorbed p- and n-dyes, spectral sensitivity 2−1779
ZnO sensitised by two dyes, electrophotographic behaviour 2−1785
ZnS:Cu, Cl crystal phosphor, localised surface state spectroscopy 2−10132

electrophotoluminescence *see electroluminescence; photoluminescence*

electrophysiology *see bioelectric phenomena*

electroplated coatings
composite metal technology, joining processes and appls. 2−19459
fusing electrodeposited Sn-Pb coatings on PCs by focused infrared radiation 2−24793
PCB manufacture, electrodeposit props. and electroplating stages 2−19961
Au plating thickness testing, combined microsectioning, β backscatter SEM method 2−14337
Cu foils, electrodeposited high-quality coatings for PC appls. 2−14473
Zn electrodeposition at high current densities, deposit characteristics 2−18810

electroplating
acid Cu SO_4 plating baths with polyether-sulphide-based additives, cyclic voltammetric stripping analysis 2−4518
connectors, Au-Ag, Sn-Pb and Pd as alternatives to Au, material tests 2−14355
dry reed plating, improved process by Elec-Trol Inc. in USA 2−23815
electric connectors, manufacturing techniques and reliability 2−19927
electrical contacts, selective Au plating process by in-house operations 2−19926
graphite cloth electrode 2−18809
instrument for selective modification of planar circuits 2−1406
jig design and manufacture, computational methods 2−18805
laser-enhanced plating without reducing agent or external EMF source 2−5702
MIC fabrication, Au selective electroplating, elimination of photoresist degradation, beam-lead devices 2−9228
MIL-M-38510 finishes for microelectronic components 2−24790
multilayer PWB electrodeposition control, $Cu_4P_2O_7$ electrolyte, manufacturing technology 2−14451
multiwire board plated through hole manufacture by catalytic seeding and electroless Cu plating 2−19972
PC plating shops, pollution control and resource recovery 2−5447
PC processing solns., contaminant removal 2−5448
PCB edge connector plating operation, automatic equipment 2−14519
PCB edge-connectors, Au plating technology 2−14518
PCB electroplating, automatic control of stabilized electroless Cu solns., Cuposit controller 2−5451

electroplating continued
PCB electroplating lines, microprocessor control of hoists and rectifiers 2—24810
PCB etching/electrometallization processes, water and waste water treatment, ion exchangers and reverse osmosis 2—14485
PCB fabrication technique, epoxy glass laminates, curing, photoresist exposure and development, electroless Cu plating 2—1034
PCB manufacture, electrodeposit props. and electroplating stages 2—19961
PCB manufacture, electroless Cu plating, water pollution minimisation 2—14480
PCB manufacture, PD-R additive process, selective exposure and electroless plating 2—14411
PCB photoresist sidewall form. rel. to conducting path manufacture during electroplating process 2—14515
PCB plating installations, continuous electrolytic recovery of precious metals, economics 2—14421
PCB rack plating process, savings in consumption of chemicals and rinse water 2—14483
PCB rework by local through-hole plating of individual defective holes 2—14466
PCB small-scale manufacture and repair with selective plating 2—14416
PCBs, Au electroplating process, cost reduction programme, thickness meas., scrap handling and reclaim 2—14453
PCBs, Cu foil electroplating, effect of manufacturing parameters on ductility/tensile strength of board 2—14481
PCBs, Ni electroplating, metal distrib., deposit quality 2—14471
PCBs, non-precious metal catalyst for through-hole plating 2—14404
pulse plating process appls. 2—23816
solder plating at high current densities, implementation 2—23819
solder plating baths, high speed with high current densities 2—23818
SOS wafer, electrical interconnection form. in laser-drilled hole array 2—1008
Au plated contacts, crimp type, reduction of usage volume, plating metallurgies 2—14338
Au, savings on materials used in electronics technology for telecommunications *(Japanese)* 2—13852
Au transmission gratings with submicrometre spatial periods, fabrication, holographic lithog., X-ray lithog. and microplating 2—20704
Nb_3Sn superconducting tape, AC losses and stabilization 2—5933
Pd dendrites as finger-like structs. in pad-on-pad connectors, electroplating production process 2—1005
n-Si, electroless Ni plating, appl. to solar cells 2—24312
Si solar cells, plated metal contacts to wafer, tensile pull-strength rel. to wafer surface roughness 2—23580
Zn electroplating processes and electrolytes, selection criteria *(German)* 2—13109
Zn, status and prospects *(German)* 2—4498

electropolishing *see electrolytic polishing*

electroreflectance
measurement in vacuum UV region using digital detector systems and H discharge tube *(Japanese)* 2—17151
semiconductor-electrolyte junction, flat band pot., electroreflectance study 2—9524
n-CdSe/electrolyte interface, electrorefl. spectra, photoelectrochem. solar cell appl. 2—5650

electrospark machining *see spark machining*

electrostatic accelerators
see also Van de Graaff accelerators
ANL HVEM-tandem facility, in-situ implantation system 2—7253
high vacuum accelerator tubes, prebreakdown and breakdown processes, review 2—11733
insulating gases dielectric strength, problems in using small scale meas. 2—11698
ion accelerator facility for nuclear bombardment target prep. 2—7252
ISOTRACE facility using Tandetron accelerator 2—11881
mass spectrometer, all-electrostatic, with time-of-flight detector 2—27004
metal-dielectric chain belt as elec. charge carrier *(Bulgarian)* 2—7243
MISS-4, miniature sputter ion source for tandem accelerator 2—11777
multiple beam electrostatic quadrupole focused linac, heavy ion fusion appls. 2—11686
negative ion beams of rare and radioactive isotopes for tandem accelerators 2—11773
NMR magnet regulator cct., search and lock regulation circuitry for accelerator bending magnets 2—11866
nuclear science, future directions 2—11705
polarised negative ion sources for accelerator injection 2—11772
slit-stabilised electrostatic accelerators, automatic energy scanning system 2—27005
tandem accelerator, determ. of energy resolution *(Rumanian)* 2—11715
tandem beam bunching system, design consideration and present status 2—11741
tandem Dynamitron, intense low energy heavy ion beams 2—11771
C stripper foils, radiation lifetimes and failure mechanisms 2—11745
C stripper foils made by DC glow discharge process, physical props. and structure 2—11744

electrostatic coating techniques
low charge density spray development, anal. of conditions for hydrocarbon liquids 2—10418
pesticide spraying, machine design and development, system requirements and characts. 2—10446
pesticide spraying in orchards, space charge induced forces and effects, apparatus design 2—10447
vibrating systems dynamics modelling in electron-ion technology units 2—25910
Si polycrystalline sheet production by electrostatic spray process, solar cell fabrication 2—12915

electrostatic coatings
thick film circuit fabrication by electrostatic deposition 2—14533

electrostatic devices
see also capacitors; dielectric devices; electrostatic accelerators; electrostatic generators; electrostatic lenses; electrostatic precipitators
3M magnestylus printing, graphic arts applications 2—15637
BENSON printing process *(Spanish)* 2—15632
coal electrostatic beneficiation using cyclone-tribocharger 2—13134
computer data acquisition, coordinate input using array of wires *(German)* 2—26791
continuous pickling line, electrostatic oiler appl. 2—8104
Domino Unijet Ink Jet Printer 2—21050
electrographic marking, transfer type multistylus 2—21055

electrostatic devices continued
electrographic paper, electrical characteristics 2—21053
electrographic printing, image resolution 2—21052
electrographic printing with ion projection printhead 2—15636
electrostatic flocking, pile density increase by adding guiding electrode 2—10437
ellipsoidal mirror, fast separator for recoiling and highly charged particle 2—11869
emulsifier, experimental pilot scale system 2—10438
fluidised bed, cross-flow type, dynamics 2—10440
ink jet development at the Lund Institute of Technology 2—21049
nonimpact printing technologies, conf., Venice, Italy (June 1981) 2—18860
on-line collection system 2—10435
pesticide spraying, machine design and development, system requirements and characts. 2—10446
pesticide spraying in orchards, space charge induced forces and effects, apparatus design 2—10447
printer for desktop facsimile transceivers 2—16082
printer/plotters, line quality improvements 2—21056
printing, air ink jet printer controller 2—21051
printing, high resolution apparatus 2—15635
printing apparatus using positive recording voltage, elimination of missing dots 2—21042
printing on plain paper 2—21054
separator and sizer for small particles, such as fly ash 2—10436
thermal EHD induction pumps for cooling oil, parametric studies 2—12946

electrostatic fields *see electric fields*

electrostatic generators
see also Van de Graaff generators
high-power with rotor of piezoelec. strips 2—25908
Marx generator, 720 keV coaxial, rectangular-like output waveforms study 2—22458

electrostatic lenses
see also aberrations; focusing; particle beams
chromatic aberration electron monochromator 2—27014
electron monochromator, low-energy 2—27015
electron optical systems, linear transformations for Gaussian trajectory parameters *(Chinese)* 2—21033
electrostatic ion optics and beam transport for ion implantation 2—2091
mass spectrometer with variable dispersion and simultaneous detection, ion optics 2—3434
multi-step focusing *(Czech)* 2—9377
quadrupole lenses elec. rotation 2—6303
ray tracing in electrostatic lenses, BASIC computer program 2—25911
Rehovot 14 UD Pelletron status report 2—11731

electrostatic microphones *see microphones*

electrostatic precipitation *see electrostatic precipitators*

electrostatic precipitators
back discharge field, streamer and glow discharge modes, meas. with bipolar current probe 2—10442
back-ionisation, quantitative model of charge density, elec. field, and particle charging 2—10441
boiler flue gas scrubbing system test results 2—23121
corona discharge struct., effect on deposition and reentrainment of fly ash 2—15652
dynamics of charged dust particles in elec. field, laser Doppler velocimetry study 2—7217
electromechanics of precipitated particulate layers modelled as regular array of resistive spheres 2—10416
electron beam ionization in test geometry, stability of secondary ionization 2—10445
experimental investigation of electric wind in the presence of an external flow [electrostatic filters] 2—25909
fly ash hopper evacuation system design and operation 2—18009
gas analysis measuring equipment, developing and testing *(German)* 2—21041
industrial electrostatic precipitators, aerodynamic investigations 2—15634
industrial electrostatic precipitators, modelling and control 2—21057
industrial gases cleaning, cost-effectiveness 2—27301
investigation of the electrical precipitation of Ekibastuz coal ash as a function of the exhaust gas temperature 2—12472
laboratory precipitator, particle velocity meas. using laser Doppler anemometer 2—10444
laminar flow, precipitation, AC and DC electrostatic and magnetic, efficiency calc. 2—15630
monopolar ions production by travelling wave corona discharge 2—10439
new design concepts 2—8126
prechargers and pulse energisation systems, modifications and tests 2—15633
pulse corona discharges in electrostatic precipitators 2—10434
reliability anal. of special redundant system 2—8306
thyristor appls. in precipitators, review 2—15625
turbulent flow, precipitation, AC and DC electrostatic and magnetic, efficiency calc. 2—15630
vibrating systems dynamics modelling in electron-ion technology units 2—25910
wire-plate electrostatic precipitator, laboratory scale, back corona effects 2—10443
working principles, filter design and impulsive feed arrangements for application in coal burning plants *(Italian)* 2—15626

electrostatics
see also electrets; electric charge; electric fields; electrostatic devices; static electrification; triboelectricity
anti-static thermal blankets 2—21018
antistatic materials for prevention of electrostatic damage, electronics industry appls. 2—13298
antistatic protection of semiconductor devices, telecommunications. appl. 2—21413
bipolar charging of submicron aerosol, effect of external elec. field 2—10414
cylinder protruding from plane electrode in elec. field, electrostatic problem 2—2076
electronic equipment manufacture, static awareness, operator training 2—13275
electronic equipment manufacture, static protection, effects of organic cleaners and work surfaces 2—13274
electrophotography, toner image transmission models *(German)* 2—6295

electrostatics continued
microelectronics electrostatic discharge effects and production ccts. 2−9752
nonstationary charged drops in nonspherical configs., Rayleigh limit 2−10417
numerical conformal mapping for undergraduates 2−25895
prevention of electronic component damage by static discharge 2−80
production environment, electrostatic discharge problems, isolation, facility evaluation 2−13277
rocket, electrostatic charge build-up meas. 2−7365
satellite charging effects monitoring due to substorm environment 2−22655
shielded flat cables for electrostatic discharge and EM interference reduction 2−9260
slope stability of electropacked beds 2−10413
spacecraft, charging studies, recent developments 2−7364
static control system improves quality reduces costs in PCB manufacture 2−14401
static safe electronics work environment, use of ionized air, test procedure 2−13276
surface resistivity meas., inexpensive fixture design 2−25894
symmetrical cable, crosstalk attenuation value and electostatic coupling 2−21713

electrostriction
see also piezoelectric materials; piezoelectricity
$Pb(Mg_{1/3}Nb_{2/3})O_3$ electrostrictor for deformable bimorphous m irror 2−1763
$Pb(Mg_{1/3}Nb_{2/3})O_3$, electrostrictive ceramic, low Q electromechanical resonator 2−9834
YIG, electrostriction meas. 2−7190

electrosynchronisation *see synchronisation*

elemental semiconductors
amorphous elemental semiconductors, electronic props., appl. to solar photovoltaic cells *(Dutch)* 2−5581
C Si:H, amorphous, MOS solar cell, fundamental tunnelling process 2−25084
CC/a-/Si-H, hydrogenated film struct. and prop. depend. on RF-sputtering gas press. 2−600
diamond, semiconducting, polycryst. synthetic, negative N-type resist. 2−9415
p-Ge high-sensitivity IR hot carrier detector improvement 2−26852
layered semiconductor structures and heterostruct., hot electron and phonon effects 2−14675
MBE, review of European developments, 1979-80 2−8814
MNOS capacitors, high electric field effect on C-V characteristics *(Japanese)* 2−1246
mobility fluctuation 1/f noise, elec. field depend. 2−1163
MOS-oxide charge induced junction solar cells 2−18498
plated metal contacts to wafer, tensile pull-strength rel. to wafer surface roughness 2−23580
polycrystalline MIS solar cell behaviour in H_2 passivation process 2−23620
Schottky contacts, struct. and elec. props. 2−14696
Schottky-barrier photodetectors, dark current 2−22272
a-Si:H photovoltaic cells conversion efficiency limiting parameters anal. 2−18517
poly-Si, nucleation and growth, in-situ obs. 2−24327
p-Si for nuclear emission detectors, deep-level investig. *(Russian)* 2−14621
Si n^+-n^--p^+ rectifier junction, induced short circuit currents 2−9484
Si solar cells, review 2−18535
solar cells, Si-on-ceramic, evaluation for low-cost fabrication 2−12894
SOS films with negative and positive interfacial charges 2−5639
SOS wafer, electrical interconnection form. in laser-drilled hole array 2−1008
V-MOS transistors thin gates fabrication in V-groove *(Slovak)* 2−25220
Al/n-Si, small area laser beam annealing, subsurface alloying and deep Al penetration 2−1232
Al-nSi, Schottky barrier diodes, current-voltage characteristics, 300-490K *(Russian)* 2−5720
Al-Si Schottky diodes, nonuniform, elec. behaviour, two-dimensional model 2−5726
Al-SiO_2-Si MIS inversion layer solar cells, surface recombination current 2−12860
Al-SiO_2-Si MIS solar cell, elec. and photoelectric props. 2−12872
Al-SiO_2-Si MOS structs., metallisation by secondary-ion mass spectrometry *(Russian)* 2−14804
Al-SiO_2-Si structure, hole mobility and density of states at Si-SiO_2 interface 2−5637
Al-SiO_2-Si structure with plasmochemical insulator, elec. props. 2−14729
Al-Tb_2GeS_5-Fe structure, charge transport mechanism 2−14728
Au-mica-p-Te:Cu film MIS struct., field effect studies 2−20145
β-B, rhombohedral, photocurrent instabilities, low freq., at low temp. 2−25569
Gb-B, rhombohedral, transient photocond. Gb-B, rhombohedral, transient photocond. 2−25568
α-B, rhomobohedral, elec. cond., thermoelec. power and Hall coeff. 2−24926
C resistance thermometer, electron tunnelling 2−22258
GaAs, plasma anodisation kinetics using multipole plasma source 2−25162
Gd-Pt/Si Schottky contacts, struct. and elec. props. 2−14696
n-Ge, (001) plane, weak field magnetoresist. skewness, galvanomagnetic coeffs. 2−9405
Ge acoustooptic refractive IR chopper 2−6069
Ge, amorphous, DC hopping cond., Mott $T^{-1/4}$ law from rate eqn. formalism 2−9450
Ge, amorphous, elec. props. 2−9460
Ge, amorphous, solid-phase epitaxial crystn. on Si (100) 2−8809
Ge, amorphous UHV deposited films, struct., elec. and optical props. 2−20097
Ge avalanche photodiode receiver, sensitivity meas. 2−10153
Ge avalanche photodiodes, dark current noise characts. and their temp. depend. 2−1800
Ge, chem. vapour deposition on Si from GeH_4-He gas mixtures 2−605
Ge, chemical etching and cleaning procedures 2−1300
Ge, chemical etching and cleaning procedures 2−5691
Ge counters, laser-doped Li contacts 2−11797
Ge crystals, effect of thermal conditions during growth on stresses 2−548
Ge detector for precise beta endpoint energy determ. 2−27039

elemental semiconductors continued
Ge detectors, response to monoenergetic electron, positron and gamma ray beams 2−22479
Ge, far IR photocond. spectra of quenched in acceptors 2−1789
Ge film, amorphous, laser processing, explosive crystn., liq. layer existence 2−25134
Ge film, amorphous, scanned laser crystn., phase boundary kinetics meas. 2−25133
p-Ge film, picosecond photoconductive detector 2−1776
Ge film, polycryst., low temp. growth by UV laser photodissociation of GeH_4 2−24318
Ge, four-wave interaction at 10.6 μ, multifreq. signal refl. 2−20966
n-Ge, heavily doped, DC hopping cond., Mott $T^{-1/4}$ law from rate eqn. formalism 2−9450
p-Ge, hopping transport at large uniaxial stress and high mag. field 2−20064
p-Ge, hot carrier population inversion, Hall effect study 2−24941
p-Ge, hot electron population inversion in mag. field., expt. and Monte Carlo simulation 2−24942
p-Ge, hot holes, noise, inelastic scatt., meas. at microwave freqs. 2−24952
n-Ge, impurity elec. resist. in quantising mag. fields 2−5537
n-Ge, impurity elec. resist. anisotropy in quantising mag. fields 2−5538
Ge laser cyclotron resonance, Zeeman absorpt. 2−20058
Ge MM-wave detector using hot carriers, performance 2−19887
Ge, magnetoresonance, electron-hole droplet, quantum transport theory 2−5543
Ge n^+-n junction, carrier exclusion for low impurity carrier conc. 2−25057
n-Ge, neutron bombarded, minority carrier injection and extraction 2−24949
Ge, optical waveguide field distrib. and harmonic generation 2−25838
Ge oscillator, hysteresis of threshold electric field 2−9675
Ge p-i-n and avalanche photodiode detectors for 1.1 to 1.6 μm operation, state of the art 2−7108
Ge p-n junction, avalanche breakdown voltage, pressure depend. 2−14673
Ge p-n junction, hot carrier thermo-EMF under strong forward bias conditions 2−5619
Ge, p-n junctions, second breakdown patterns 2−9498
Ge photoconverters, electrical characts. under high illumination intensities 2−7990
Ge, photoexcited hot carriers, picosecond interband saturation and intraband relax. 2−24943
n-Ge, piezoresist. differences, electron scatt. mechanisms 2−9414
Ge, point defects and disordered regions due to irrad., magnetoresist. meas. 2−5540
Ge power sensor, high-speed, using hot carriers in semiconductor 2−16977
Ge single crysts., grown in batches by Stepanov method, impurity distrib. 2−553
Ge single crysts., grown in different directions, radial distrib. of dopant 2−554
n-Ge, surface cond. meas. in transverse elec. fields, storage effect 2−14617
Ge, surface overlayers detection and minimisation using spectroscopic ellipsometry 2−11646
Ge, surface recombination and bulk lifetime contactless PME investig. 2−10161
Ge thin film p-n junction ultra high efficiency solar cell performance for solar thermophotovoltaic energy conversion 2−23460
Ge, transient hot-carrier phenomena, method of moments for anal. 2−24935
Ge, ultralarge profiled single crysts. growth, homogeneity 2−546
n-Ge, uniaxially deformed, drag thermoelectric powers in quantising mag. field 2−1165
Ge:Al, ion implanted, annealing behaviour obs., Al conc. profiles determ. 2−24948
Ge:Ga, far IR and sub-MM detector, spectral response from blackbody meas. 2−11487
Ge:Ga heavily doped single crystals grown from melt, interface breakdown 2−13804
Ge:Li, photocond. IR detectors, low photon background appl. 2−10143
Ge:Li film, amorphous, electret effect 2−9849
Ge:P, photoconductivity spectrum of shallow donors, elec. field effect 2−15388
Ge:P epitaxial films, P doping during gas phase chem. precip. 2−5686
Ge-GaAs eutectic alloy, thermo-EMF and thermal cond., temp. depend. thermal quality factor 2−5531
Ge-GaAs interface grown by MBE 2−1217
Ge-GaAs n-n heterojunction, electron transport 2−5603
Ge-InP ohmic contacts, contact resistivity meas. 2−5612
Ge(Li) coaxial detectors, charge losses in sensitive film near-surface region *(Russian)* 2−17257
Ge(Li) detector, efficiency calibration at short source-to-detector distance 2−17237
In_2O_3-SnO_2/Si photovoltaic junction, current-voltage characts. 2−5597
In_2SnO_3-Si solar cells fabrication using ion beam milling/sputter deposition and low pressure oxide growth process 2−23450
$In_{2-x}Sn_xO_{3-y}$/n-Si solar cells, stability 2−23640
Mo-Si contacts, P ion implantation effects 2−5628
Mo_xGe_{1-x}, amorphous film, elec. transport and struct. 2−20106
Nb-amorphous Si-Nb Josephson digital devices, upset events under α-particle irradiation 2−15244
Ni-n-Si, Schottky barrier diodes, temp. anomalies 2−9623
Pt-SiO_2-n-Si solar cells, elec. characts. *(Japanese)* 2−18481
PtSi-Si shallow Schottky barrier contacts, multilayer metallisation technique 2−1335
S:As, through oxide As implanted, recoil O implants and O thermal redistrib. 2−1280
n-SI MOSFET-type struct., electronic response to illumination, surface effects 2−10116
a-Sc:H/a-SiC:H heterojunction solar cell with conversion efficiency more than 7.5% 2−18588
Se, amorphous, electrophotographic phenomena, review *(Japanese)* 2−1678
Se, amorphous film, monostable switching, microwave noise 2−9455
Se, amorphous film, photostruct. fatigue 2−15382
Se, glassy, transient hole transport meas. 2−14663
Se, hexagonal single crystal, photoconductivity anisotropy in polarised light, 0.53 to 0.72 μm *(Russian)* 2−6083
Se, hexagonal single crystal, anomalous photoconductivity at 77K *(Russian)* 2−6084

elemental semiconductors continued
Se, hexagonal single crystal, rest photocond. *(Russian)* 2−10112
Se, liquid, photoconductivity 2−20063
Se, single crystal, freq. depend. of cond., noise and photoresponse 2−9416
Se-Te bilayer structural changes by laser writing 2−1774
Si 2−23491
Si, 1/f noise of thermal and hot charge carriers 2−14623
Si (100) inversion layers, determ. of valley splitting 2−14727
Si (100) MOS inversion layers, transverse and Hall conds., temp. depend. under strong mag. fields 2−14732
Si (111), nitridation by N atoms, LEED, AES, desorption, and mass spectra meas. 2−9583
Si (111)-In(Ge), interface form., surface reconstruction 2−25051
Si, amorphous, appl. to WO_3 photoelectrochromic device 2−20689
Si, amorphous, bibliographies 1965-1980 2−12875
Si, amorphous, CF_4 plasma etching 2−20109
Si, amorphous, CVD growth, struct., optical, and elec. props. 2−20099
Si, amorphous, DC hopping cond., Mott $T^{-1/4}$ law from rate eqn. formalism 2−9450
Si, amorphous, dynamics of pulsed laser annealing 2−1307
Si, amorphous, elec. resistivity, hydrostatic press. effect 2−1161
Si, amorphous, electrical cond. and thermoelec. power 2−25017
Si, amorphous, electrodeposition from $SiHCl_3$ solns. in aprotic solvents 2−13833
Si, amorphous, electron bombardment induced conductivity 2−5575
Si, amorphous, FET, application in integrated circuits 2−5805
Si, amorphous, FET with staggered electrodes, current path 2−25246
Si, amorphous, gap states and band tail absorption, direct meas. by const. photocurrent method 2−1787
Si, amorphous, hot carrier relax., optical picosecond study 2−25013
Si, amorphous, IGFET, appl. to liq. cryst. displays and integrated logic circuits 2−25244
Si, amorphous, national photovoltaic program 2−20110
Si, amorphous, new fabrication technologies 2−25020
Si, amorphous, p^+-i-n^+ junction, injection electroluminesc. and photoluminesc. 2−25602
Si, amorphous, p-type hydrogenated, for solar cells 2−20111
Si, amorphous, pattern laser annealing by pulsed laser 2−9578
Si, amorphous, photolum., influence of excitation density and n-type doping 2−25603
Si, amorphous, photovoltaic devices, device physics and optimum design 2−25627
Si, amorphous, plasma deposited and CVD coatings, ion implantation, elec. cond. and photoluminesc. 2−20095
Si, amorphous, rate of CW laser induced solid phase epitaxial regrowth 2−8805
Si, amorphous, solar cell, p-i-n struct., stability 2−23418
Si, amorphous, solar cells, materials, assessment, internal field, hole transport and lifetime 2−23429
Si, amorphous, solar cells, industrialisation 2−23430
Si, amorphous, trap-controlled dispersive transport and exponential band tails 2−20718
Si amorphous film, laser crystallisation *(French)* 2−8799
Si, amorphous film, plasma CVD *(Japanese)* 2−8835
Si amorphous film, prep. by CVD, elec. props. 2−595
Si amorphous films, compositional and structural characterisation techniques 2−25021
Si amorphous films, evaporated and sputtered, annealing and hydrogenation 2−24931
Si, amorphous films, explosive crystn. in solid and liq. phases 2−19422
Si, amorphous implanted, phase transitions produced by pulsed laser or electron irrad. 2−25129
Si amorphous layer induced by UV laser pulse, laser induced oxidation via O trapping 2−1317
Si amorphous p-i-n junction, drift type photovoltaic effect 2−25106
Si amorphous RF sputtered coating, photocond., optical and EPR props. 2−20093
Si, amorphous solar cells, state of the art review 2−23428
Si, amorphous thin-layers production and appls. *(German)* 2−24944
Si, amorphous/crystalline junctions 2−1220
Si annealing, IR spectroscopy appls. 2−20176
Si, As^+ implanted, ion beam annealing 2−24918
Si avalanche photodetectors, crystal defects, electron channelling imaging with SEM 2−9483
Si avalanche photodiodes, triggered avalanche detection of IR photons 2−16979
Si back surface field solar cells, theory 2−28122
Si barrier hydrogenated amorphous, in photosensitive Josephson junction 2−15256
Si, bipolar devices, pulsed neutron irrad. rapid annealing factor 2−25205
Si bipolar junction transistor fabricated using MBE 2−9630
Si bipolar transistors, ruby laser pulsed radiation effects on electrophys. characts. 2−1358
Si, bulk sample shaping by photolithography and chem. etching 2−20169
Si CCD three-colour three-channel image sensors, anal. 2−10162
Si, CVD, microelectronics processing appls. 2−13845
Si, CVD, solar cell appl. 2−13847
Si CVD epitaxy on (111) and (100) substrates, pattern shift and pattern distortion 2−20178
Si CVD films, polycryst., elec. props., depend. on grain size and impurity doping conc. 2−14616
Si, CVD from $SiCl_4$-H_2-N_2 system, rate-determ. reactions and surface species 2−24330
Si, CVD from $SiHCl_4$-H_2-N_2 system, rate-determ. reactions and surface species 2−24330
Si, CVD under reduced pressure in hot-wall reactor, equilib. and kinetics 2−24303
Si candidate sheet materials for solar cells 2−23516
Si, carrier density, deformation potential constants, Hall effect anal. 2−14624
Si, carrier recombination at grain boundaries 2−1154
Si, carrier transparent and device performance, influence of cryst. defects, book contrib. 2−1169
Si, chemical etching and cleaning procedures 2−1300
Si, chemical etching and cleaning procedures 2−5691
Si chips, cell for chem. etching 2−14780
Si concentration solar cells operating temp. effects on electrical performance 2−23467
Si concentrator solar cells, process optimisation and production experience 2−18569
Si concentrator solar cells, behaviour between 50 and 500 suns 2−18573

elemental semiconductors continued
n-Si, cond. in strong alternating elec. fields 2−14633
n-Si, conventional and neutron doped, piezoresist. and Hall coeff. meas. 2−20065
Si counters, laser-doped Li contacts 2−11797
Si coupled Josephson junctions and super-Schottky diodes with coplanar electrodes 2−9922
Si crystal growth, high-rate by low angle cryst. growth 2−13812
Si crystal growth, wide ribbon used for solar cell manufacture, crucible assembly 2−24276
Si crystal purity in melt growth maintained using refractory liners 2−24277
Si crystal whisker, thermoanemometer sensor for low flow speed meas. 2−16949
n-Si crystals, electron scatt. by clusters, Hall effect and magnetoresist. study 2−14631
Si, current research trends 2−9410
Si Czochralski crystal., elec. characterisation of cryst. defects and O_2 using gate controlled diode 2−14626
Si, Czochralski grown, internal gettering centres and SiO_x precip. nucleation 2−25159
Si, Czochralski-grown, O and C impurities 2−1156
n-Si, deep centres introduced by Ar ion bombardment 2−14629
Si, defect introduction during prep. and device processing, book contrib. 2−1167
Si, defect-free device processing, book contrib. 2−1278
Si dendritic web, wide ribbon growth, used for solar cell manufacture 2−24278
Si, denudation zone and internal SiO_x nucleation control, role of stabilised back-surface damage 2−5528
Si, deposition from melt *(French)* 2−5008
Si, diffusivity of O during steam oxidation 2−25153
Si, dislocation free in surface barrier detectors, cluster nonuniform distrib. effects *(Russian)* 2−14622
Si, doped poly, composite metallisation of Al, electromigration 2−9588
Si doping profiles meas. in thin layer structures using spreading resist. technique 2−20195
Si, double-poly, MOSFET devices, Z 2−25360
Si, effect of heavy doping on elastic consts. and device implications 2−24919
Si electrodeposition at temps. above melting point 2−5533
Si electrodeposition on graphite 2−5007
n-Si electrodes in aqueous soln. photoelectrochemical cells, techniques for stabilisation 2−12770
n-Si, electroless Ni plating, appl. to solar cells 2−24312
Si, electron diffusion coeff. 2−14613
p-Si, electron irrad., Hall mobility, pot. relief analysis 2−5536
Si, electron irrad., minority carrier lifetime meas. 2−24946
Si, electron irradiated, drift mobility, temp. depend. 2−5541
n-Si, electron mobility, 5 to 80K, phase shift calc. 2−1160
Si, electrorefining, semipermeable anode 2−24313
Si, electrowinning from solutions of SiO_2 in NaF/CaF_2 and other fluoride eutectics 2−5026
Si epitaxial film deposition in CVD reactor, transients 2−13817
Si epitaxial layer solar cell performance under electron irrad. 2−23503
Si epitaxial layers, effect of defects on voltage breakdown of p-n junctions *(Russian)* 2−1225
Si epitaxial layers, screw and circular structures 2−4998
Si epitaxial layers on Si substrate, elec. props. 2−20060
Si epitaxy for VLSI high performance ICs 2−20177
Si, extrinsic, elec. parameter calc. using FORTRAN program, Hall effect, dopant states and carrier mobility 2−1151
Si extrinsic focal plane arrays, influence of material props. 2−11495
Si Fabry-Perot interferometer appl. as variable coupler, uniform transmission of FIR lasers 2−6075
a-Si, field effect and substitutional doping 2−25016
Si film, 2D grating graphoepitaxy from Si-Au supersaturated soln. 2−19420
Si film, amorphous doped, deposition mechanism in SiH_4 plasma 2−13844
Si film, chemical thinning by etching 2−9587
Si film, encapsulated, zone-melting recrystn. on SiO_2, morphology and crystallography 2−24916
Si film, implanted, CW laser-induced solid phase epitaxy dynamics, time-resolved reflectivity meas. 2−24307
Si film, polycryst., low temp. growth by UV laser photodissociation of SiH_4 2−24318
Si film, polycryst., recrystn. using laser beam profiling technique 2−25885
Si film, semi-insulating polycryst., elec. cond., O content depend. 2−1150
Si film deposition by pyrolytic decomposition of SiF_2 gas 2−24325
Si film on sapphire, implanted, laser annealed, dislocations, twins 2−14798
Si film prep. by plasma and low press. CVD in horizontal reactor 2−8837
Si films, CVD, amorphous and polycryst., cond. mechanism 2−24933
a-Si films, heavily doped, glow discharge, AC conduction 2−25029
Si films, polycrystn., continuous growth by CVD 2−24289
Si fine line shadow masks for deposition of solar cell grids 2−23511
p-Si, float zone, in CCD imagers, deep levels study 2−5534
Si for low cost solar arrays, SiH_4 pyrolysis in free-space reactor 2−20069
Si, frequency and wavevector dependent diffusion coefficient of electrons from Monte Carlo calculations 2−24906
Si from SiH_4 through plasma deposition 2−19453
a-Si, glow discharge, fatigue effect in luminesc. at low temp. 2−25606
Si grating-type solar cell design and anal. 2−23561
Si, growth from SiH_4 in cold wall CVD systems 2−5025
poly-Si, H_2 heat treatment for enhancement of minority carrier diffusion length for low-cost solar cells 2−18594
Si Hall-effect power ICs for brushless motors 2−20386
n-Si, heavily doped, elec. resist., partial wave theory 2−9411
Si, heavily doped, nondegenerate minority-carrier concentration and recombination current 2−5532
Si, heteroepitaxial, characterisation 2−24923
Si, heteroepitaxial growth on $MoSi_2$ by electron beam evaporation 2−568
Si high-Q varactor diodes, fabrication method 2−1332
Si, high-field transport of holes 2−1147
Si high-resistivity n^+pp^+ solar cells, performance under 1 MeV electron irrad. 2−23504
Si, hole mobility and Hall coeff. factor, temp. depend. 2−24925
Si, hot carrier ballistic transport, displaced Maxwellian formulation 2−24939

elemental semiconductors continued
p-Si, hot carrier cond., transient regime, Monte Carlo and Boltzmann eqn. iterative solns. 2−24940
Si hot carrier p-n junction, current oscills. 2−9493
Si, hot electron emission under pulsed laser excitation 2−24860
Si, hot-electron noise calc. at 77K, Monte Carlo method 2−24953
Si, hydrodynamics of a dense plasma created during laser annealing pulses 2−1157
Si ICs, blood compatibility of components and materials 2−7343
Si ICs, p-n junctions, dynamics of charge collection from alpha-particle tracks, computer simulation 2−5796
Si IMPATT diodes, fabrication techniques 2−19871
Si, IR detector materials, conf., Washington, DC, USA (April 1981) 2−8137
Si, impact ionisation, band struct. depend. 2−24934
Si, implanted, macroscopic electron channelling pattern for laser induced recrystallisation monitoring 2−5535
Si, impurities and defects, effect on semicond. technology, book 2−12
Si, impurity and defect characterisation techniques, book contrib. 2−1168
Si, influence of O_2 on wear 2−5701
Si ingot slicing with internal diameter saw, low-cost solar cell technology, economics 2−23582
Si ingot-casting process, Heat Exchanger Method, solar cell fabrication appl. 2−23572
Si, inhomogeneously doped, anodisation hydrofluoric acid soln. 2−20068
Si integrated circuit technology, laser processing appls. 2−9542
Si integrated p^+-n junctions under forward bias, leakage current degradation obs. 2−14682
Si, intervalley diffusion of hot-electrons 2−24905
Si, inversion layer, velocity overshoot, hot electron submm wave cond. study 2−25085
Si inversion layer in strong mag. field, temp. depend. Hall cond., mobility edge model 2−20146
Si inversion layer MIS solar cells, electrostatic effects 2−23641
Si inversion layers, electron transport in high mag. fields 2−14731
Si, inversion layers, magnetoconductance and weak localisation 2−14725
Si inversion layers, remote polar phonon scatt. for hot electrons 2−20149
Si inversion layers, small-signal velocity overshoot obs. by broadband sub-MM wave spectroscopy 2−20152
Si, ion implantation, amorphisation, lattice displacement criterion 2−25142
Si, ion implantation by N ions, Si_3N_4 form., AES and EELs studies 2−20197
Si, ion implantation damage, isothermal annealing using thermal radiation source 2−9547
Si, ion implantation/diffusion of As, sheet resist.-junction depth relationship 2−9549
Si, ion implanted, amorphous, ultrashort pulse laser annealing 2−25135
Si, ion implanted, annealing in plasma of pulsed gas discharge 2−20212
Si, ion implanted, laser annealing, time-resolved Raman scatt. and transmission meas. 2−25126
Si, ion implanted, materials alterations possible with laser annealing 2−2069
Si, ion implanted, pulsed electron beam apparatus and annealing 2−9408
Si, ion implanted, solute trapping after laser annealing 2−25132
Si, ion implanted, supersaturated alloy form. during epitaxial regrowth, substitution solubility limitations 2−25131
Si, ion implanted, threshold energy density for epitaxial recrystn. 2−25128
Si, ion implanted polycryst. solar cells 2−4363
Si, ion-implanted, surface state effects on laser annealing mechanism *(Russian)* 2−1314
Si island growth on bulk fused SiO_2 by CO_2 laser annealing 2−24309
Si JFET low-freq. noise dependence on device parameters and operating conditions 2−25271
Si junctionless sensor for high temp. appl., SOS technology feasibility 2−22266
Si LSI technology, role of lattice defects 2−14953
Si, laser annealed, structural study 2−14796
Si, laser annealing, computer model of lattice temp., carrier conc. and temp. 2−25127
Si, laser annealing, rel. to LPE *(Japanese)* 2−1166
Si, laser annealing and crystallisation 2−2067
Si laser cyclotron resonance, Zeeman absorpt. 2−20058
Si, laser damage gettering and lifetime improvement appl. 2−9406
Si, laser heated, nonlinear dynamic heat transport, carrier diffusion effect 2−1141
Si, laser induced oxidation 2−14794
Si, laser processing research at Texas A&M University 2−9543
Si, laser-induced amorphous, adsorpt. of O, expt. study 2−25164
Si, laser-induced solid-phase crystal growth investigation by time-resolved optical reflectivity 2−590
Si, lateral epitaxy by seeded solidification on SiO_2 2−562
Si, layer growth by CVD on liquid Sn coated graphite substrate 2−8838
Si layers, CW laser annealed, EBIC contrast rel. to residual defects, X-ray, TEM, and SEM obs. 2−14752
p-Si, low resist., minority carrier diffusion length, heat treatment effect 2−24945
Si low-bandgap solar cell for 10-unit dichroic filter spectral splitter module 2−18601
Si, MBE, background and dopant impurities in film and film-substrate transition region, elec. transport 2−1153
Si, MBE films, dislocation density, growth conditions depend. 2−583
Si MIS solar cell, AES study of stability 2−7998
Si MIS solar cells, potential advantages 2−23526
p-Si MISIM and induced back surface field solar cells 2−23639
Si MM-wave IMPATT sources and combiners for 110 to 260 GHz range 2−24699
Si MOS, two-dimens. system, weakly localised, mutual interactions, intervalley impurity scatt. effect 2−14713
Si MOS structs., pre-breakdown field treatment effect on elec. props. *(Russian)* 2−1248
Si MOSFET, energy loss of warm electrons at interface 2−25247
Si MOSFET, nonmetallic cond. in electron inversion layers at low temp. 2−9668
Si MOSFET, quantised Hall resist. meas. at liq. ^3He temps. 2−25242
Si MOSFET, ultrasmall, technology challenges, VLSI appls. 2−15013
Si MOSFET gate oxide elec. field distrib. direct obs. using SEM 2−14865
Si MOSFET with sub-micron gate, anomalous low temp. cond. 2−14872
Si magnetic-field-sensitive multicollector n-p-n transistors 2−20236
elemental semiconductors continued
Si, masking oxide effect on diffusion 2−1291
Si, material props. for use in MOS ICs *(Russian)* 2−14619
Si, melting phenomenon and laser annealing 2−2068
Si, meno- and polycrystalline, As doping using laser-induced diffusion 2−9564
Si, metal-tunnel oxide-n-p^+ switching device charact., effects of device geometry and fabrication processes 2−1385
Si, metallurgical grade, semicrystalline material production solar cells 2−20070
Si, metallurgical grade, sheet growth using edge-supported pulling, for solar cells 2−20072
Si, metallurgical grade, substrate for epitaxial thin film solar cells, by heat exchanger method 2−23643
p-Si, minority carrier diffusion length meas., evaluation of surface photovoltage method 2−14628
Si, minority carrier lifetime inhomogeneities, liq. rectifying contacts, laser scanning tech. 2−1158
n-Si, multivalley semiconductors, transverse field stratifications *(Russian)* 2−14634
n-Si, multivalued distribution of electrons between equivalent valleys 2−24937
Si n^+-p diffused solar cell, effect of junction depth on performance 2−18487
Si n^+-p-p^+ and p^+-n-n^+ back-surface field solar cells, effet of high level conditions 2−23558
Si n^+-π-p-π-p^+ avalanche photodiodes, noise in weak multiplication regime 2−25630
Si n^+pp^+ solar cells, high-efficiency, fabrication and charact. 2−12869
Si n-i-p solar cells, computer model 2−23557
Si n-p-n transistors, lower bound prediction on failure power distrib. 2−14843
n-Si, neutron and 2 MeV electron damage, comparison by DLTS 2−5530
Si, neutron irrad. dislocation-free crysts., annealing influence on elec. and struct. props. 2−24920
Si, neutron irradiated, carrier scatt. by defect clusters 2−14625
Si, neutron transmutation doping 2−1292
a-Si, new photovoltaic devices, review 2−25628
n-Si, non-equilib., hot-carrier diffusion phenomenon, theoretical non-Markovian approach 2−24903
n-Si, non-equilib. hot-carrier diffusion phenomenon, Monte Carlo approach 2−24904
Si on metallurgical grade Si, heat treatment effects 2−18492
Si on sapphire, low-density defect 2−24924
poly-Si on SiO_2, laser recrystallised for high performance resistors 2−9242
Si, open-tube diffusion of Al 2−9553
Si, optical absorption meas. for pure and heavily-doped materials, 1.24 to 4.63 eV, polarization modulation ellipsometry solar cell performance 2−23607
Si oxidation, high-pressure techniques, pyrogenic or pumped water techniques, MOS technology appls. 2−20411
Si, oxidation, optically enhanced with visible laser light 2−14788
Si, oxidation by ion implantation and laser irradiation 2−9566
Si, oxidation by O_2, model 2−14784
Si, oxidation in plasma 2−25163
Si, oxidation in RF generated O_2 plasma in press. range below 10 mTorr, SiO_2 form. 2−20204
Si, oxidation in RF generated O_2 plasma at press. greater than 10 mTorr, SiO_2 form. 2−20205
Si, oxidation kinetics in high press. pyrogenic steam 2−9575
Si, P doping using P_2O_5-SiO_2 glass as dopant source, validity of etch rate determ. 2−9556
a-Si P-I-N solar cells, effect of F on performance 2−23532
a-Si P-I-N solar cells, field and light depend. effects, model 2−23531
Si p^+-n-n^+ concentrator solar cells, characterisation 2−18568
p-Si p^+-π-p^+ planar devices, hot carrier transport noise, meas., generation-recomb. noise rel. to deep levels 2−25172
Si p^+-s-n^+ epitaxial diode, double reflection effect on forward I-V charact. 2−25199
Si, p^+n and n^+p junctions, breakdown voltage comparison *(Rumanian)* 2−5602
Si p^+nn^+ structure, open circuit voltage, influence of surface conditions 2−12906
Si p-i-n diode thermophotovoltaic cells recent developments in theory, fabrication and testing, high conversion efficiency design 2−18524
Si p-i-n photodiodes with V-like refl. relief 2−20749
Si p-i-n structure, homogeneously heated, injection effects 2−5616
Si p-n junction, alpha particle irrad., radiation defects 2−5618
Si p-n junction, avalanche breakdown voltage, pressure depend. 2−14673
Si, p-n junction, current fluctuations, during secondary breakdown 2−20129
Si p-n junction, cut-off freq. meas. using chopped photon beam 2−20124
Si, p-n junction, fabrication by laser irrad. pulses 2−9497
Si, p-n junction depths, impurity profiles, XFA 2−25149
Si p-n junction solar cell, effective elec. field in n-type heavily doped emitter region 2−23431
Si p-n-p planar epitaxial transistor, protective passivating coating props. *(Bulgarian)* 2−5692
Si p-ν-n^+ photodiode, response time governed by transit time in space charge region 2−20747
Si p-type multicomponent telescope for charged particle spectrometry and identification *(Russian)* 2−17314
Si particle detectors, background noise caused by sea level cosmic rays 2−27031
Si, periodic struct., elec. props. 2−9492
Si photoanodes, protection with photoelectrochemically generated polypyrrole films 2−25156
Si, photoelectric effects, lux depends. under surface and bulk Auger recomb. conditions 2−6092
p-Si, photoelectric effects, anomalous decrease at short wavelengths 2−6093
Si photovoltaic power system for TV relay station *(Japanese)* 2−23367
Si, picosecond laser annealing 2−14797
n-Si, piezoresist. differences, electron scatt. mechanisms 2−9414
Si, piezoresistance coefficients, graphical representation 2−20061
p-Si, piezoresistance effect nonlinearity of diffused layers 2−20062
Si piezoresistive fluid pressure transducers, Honeywell 200 PC Series, 0-1700 kPa in two ranges 2−16929
Si piezoresistive strain gauge technology in aerospace applications 2−17482

elemental semiconductors continued
Si planar transistor mag. induction transducers 2−22243
Si, plasma anodisation kinetics using multipole plasma source 2−25162
Si, plasma deposited amorphous films, props. governed by plasma parameters 2−24332
Si, plasma etching of micron size features using freons and other electronegative gases, discharge effects 2−9585
Si, point defects and disordered regions due to irrad., magnetoresist. meas. 2−5540
Si, poly, CVD, ability to deposit nearly inaccessible areas of IC topology 2−14913
Si, polycryst., modification of grain boundaries by exposure to F_2 and O_2 2−9402
Si, polycryst., recrystallisation by CO_2 laser heating of SiO_2 2−1301
Si polycryst. film, on SiO_2 coated substrates, zone melting recrystallised, stress enhanced carrier mobility 2−24917
Si polycryst. on SiO_2, recrystallisation by dual electron beam processing, lateral seeding technique 2−24311
Si, polycrystalline, carrier transport and recombination processes at grain boundaries under optical illumination 2−20725
Si, polycrystalline, comparison of electrical conduction model with experiment 2−1152
p^+-Si, polycrystalline, defined edge profiles production in FET process 2−1454
Si, polycrystalline, model for conduction using grain boundary mechanisms 2−5529
Si, polycrystalline, potential barrier form. at grain boundaries following anneal 2−20073
Si, polycrystalline, resistors, manufacturing process 2−5369
Si, polycrystalline, resistors fabrication, O_2 implantation for temp. coeff. optimisation 2−25335
Si, polycrystalline, solar cells, grain size dependence of photovoltaic props. 2−18489
Si, polycrystalline, solar cell, effect of grain boundaries, review 2−23637
Si, polycrystalline, X-ray topography and photoresponse of grain boundaries, solar cell appls. 2−23625
Si, polycrystalline film, on amorphous substrates, CW laser recrystn. 2−1149
Si polycrystalline film, surface stabilisation during laser recryst. 2−5696
Si polycrystalline film production in H_2 medium, chemical process, appls. *(Bulgarian)* 2−24319
Si, polycrystalline films, diffusion length meas. method based on photovoltaic conversion 2−6088
Si polycrystalline in MIS devices, grain boundary effects, capacitance, cond. 2−14722
Si polycrystalline ribbon, high press. plasma deposition 2−24324
Si, polycrystalline ribbons elaboration for solar energy conversion 2−18491
Si polycrystalline sheet production by electrostatic spray process, solar cell fabrication 2−12915
Si polycrystalline solar cell performance, effect of grain boundaries, energy-gap narrowing, trap-assisted recombination 2−23493
Si polycrystalline solar cells, elec. and structural charact., effect of metallurgical grade Si additions 2−23571
Si, polycrystalline solar grade, directional solidification technique 2−20071
Si polycrystalline thin films, laser annealed, integrated circuit appl., review 2−20066
Si polycrystalline thin-film solar cells, progress and problems 2−23613
Si polycrystalline wafer, bulk resistivity determ. by meas. of microwave reflectance modulation and wafer thickness 2−22352
Si, process induced defects, microscopic view 2−14754
Si, proton interaction, heavy fragments energy spectra 2−14611
Si, pulsed laser annealing, ambipolar excess carrier diffusion effects 2−5545
Si, pulsed UV laser photochemical doping, solar cell prod. 2−9563
Si quality statistical estimation, specific resistivity inhomogeneity determ. 2−25120
Si, radiation damage simulation 2−14612
Si, reach-through avalanche photodiode, wavelength and temp. depend., laser detector appl. 2−20737
Si, reactive ion beam etch rate and yield with Ar^+-Cl_2 system 2−20206
Si reactive sputter etching with very low mash-material etch rates 2−9570
Si, recrystallisation of amorphous and small grained polycrystalline material 2−5544
Si, recrystallisation of encapsulated poly-Si on SiO_2 substrate prep. by moving belt zone melting, MOSFET's 2−9535
Si, refined metallurgical, single crystal and polycrystalline solar cells, AM1 efficiency study 2−12857
Si resistors, polycrystalline, electrical characteristics rel. to thermal treatment *(Russian)* 2−5370
Si ribbon and sheet growth processes for low-cost solar cells 2−23525
Si ribbon solar cells, conversion efficiency rel. to growth conditions and processing variables 2−23568
Si, S-type diode, negative photocond. 2−25626
p-Si, SCL current flow, hot holes and noise 2−24936
a-Si Schottky barrier solar cells, localised states and photocond. 2−4344
Si Schottky barrier structs., reactively sputtered amorphous, effect of H on diode props. 2−9610
Si Schottky barriers, image force effects on short wavelength photoresponse 2−3161
Si, seeds for growing single crysts. by zone melting without crucible, dislocation density 2−24272
Si self-aligned structures using laser annealing 2−9533
Si, semi-insulating polycryst., deposition in low pressure CVD reactor, growth kinetics 2−13839
Si, semi-insulating polycryst., deposition in low pressure CVD reactor, O content 2−13840
Si, semiconductor device processing, book contrib. 2−1277
Si semiconductor devices, screenable alpha particle barrier 2−1261
Si, semiconductor electrodes in photoelectrochemical cells, surface state role 2−12761
Si, semiconductor processing technology, trends, book contrib. 2−1279
Si, semicryst. solar cells 2−4342
Si semicrystalline solar cell, fabrication, 17% AM1 efficiency 2−23496
Si shadow masks with anisotropically etched-through slots, fine-feature thin-film deposition appls. 2−14782
Si shallow junction solar cells, dependence of efficiency on substrate doping 2−12870
Si shallow-junction photodiodes, metallisation system 2−10151

elemental semiconductors continued
Si sheet, ion implanted thin film solar cells 2−23515
Si sheet growth by ribbon-to-ribbon process, scanned CO_2 laser beam appl., solar cell fabrication 2−23570
Si sheet materials, fabrication of solar cells using 1 MeV electron irradiation 2−23517
Si sheets, forming process, solar cell appl. 2−12867
Si sheets, large area, using EFG tube growth, for solar cells 2−23514
Si short-channel MESFET operation II, transient behaviour 2−25235
Si single cryst. film, lateral epitaxy by seeded solidification, using stationary grapite heater 2−561
Si, single cryst. on oxide, CW laser induced lateral seeding process 2−8826
Si, single cryst. wafers, prep. from quartzite, book contrib. 2−560
Si single crystals, grown from melt, appearance of dislocations 2−552
Si single crystals, spreading resistance measurement *(German)* 2−1162
Si, single step doping technique, pulsed ion implantation 2−20193
Si, soft errors due to protons in radiation belt 2−14818
Si solar arrays employing advanced structures, high performance 2−18529
Si solar cell, ion implanted; laser annealed, substrate heating and emitter dopant effects 2−4335
Si solar cell, junction formation by ion implantation using high-current ion beam 2−23577
Si solar cell, low temp. solid-phase epitaxy 2−12848
Si solar cell, metal-insulator-semiconductor p-n, ion implantation doping 2−28104
Si, solar cell, n^+-p, electron irrad. and annealing effects 2−4339
Si, solar cell, single cryst. and polycryst., minority carrier diffusion length 2−18472
Si solar cell, surface recombination velocity meas., SEM appl., textured front surface field and tandem function cells 2−23609
Si solar cell arrays, flat-plate collector technology, overview 2−23485
Si solar cell efficiency enhancement by junction etching and conductive antirefl. coating processes 2−23497
Si solar cell fabrication, carrier lifetime rel. to doping density, importance of low-temp. processing 2−18566
Si solar cell fabrication, p-n junction prep., one-step photochem. doping process using ArF excimer laser 2−23494
Si solar cell fabrication, p-n junction form., laser annealing of ion-implanted substrates 2−23495
Si solar cell modules, high-efficiency, Matsushita development *(Japanese)* 2−4350
Si solar cell processing, TiO_2:B antirefl. coating, spray deposition, p^+-n-n^+ struct. 2−23498
Si solar cell processing technology, possible advances during 1980s 2−23487
Si solar cell short-circuit current prediction at reference irradiance conditions 2−23610
Si, solar cell type, contact resistivities of transition metal nitride metallisations 2−20216
Si solar cell; metal-insulator-n-p junction struct., 678 mV open circuit voltage 2−4338
Si solar cells, advanced design, electron irrad. test for space production units 2−23502
Si solar cells, BSF, conventional and bifacial, n^+pp^+, Al-alloyed high-low junctions formation 2−12905
Si solar cells, charact. and performance between low and high level injection 2−23490
Si solar cells, coplanar back contacts, wraparound junction design 2−18562
Si solar cells, electron and proton damage coefficients and thermal annealing 2−23507
Si solar cells, fabricated by planar technology, charact. 2−7989
Si solar cells, fabrication by orientation-dependent slicing 2−18565
Si solar cells, flat spot phenomena observation 2−18584
Si solar cells, HV high efficiency, MINP structure 2−23638
Si solar cells, heavily doped regions, modelling techniques, transport eqns. formulation 2−23492
Si solar cells, high efficiency, computer modelling on diffused Si cells *(Korean)* 2−18480
Si solar cells, high- and low-resistivity 2−18534
Si solar cells, high-efficiency 50-μm thickness, screen-printed Al paste back surface field technology 2−18563
Si solar cells, ion implanted, effects of junction depth and impurity conc. 2−18497
Si solar cells, ion-implanted, effects of laser and electron beam annealing 2−18502
Si solar cells, laser-annealed, comparison between ion-beam and glow discharge implantation 2−18501
Si solar cells, laser-processed, effect of emitter dopant concentrations on open circuit voltage and fill factor 2−18499
Si solar cells, minority carrier lifetime, laser-transient photovoltaic effect study 2−28110
Si solar cells, monocrystalline, n^+pp^+ structure, junction formation and metallisation sintering u sing direct coupled microwave heating process 2−12901
Si solar cells, Ni/solder metallisation as inexpensive method of making electrical contact 2−12910
Si solar cells, p-n and n-p junction, effect of back surface field on open-circuit voltages 2−23435
Si solar cells, polycrystalline, p^+-n-n^+ structure, low cost development 2−12898
Si solar cells, reduced annealing temps. 2−23505
Si solar cells, screen printed Al paste back-surface-fields, quality monitoring 2−23509
Si solar cells, thermal stability of impurities 2−23512
Si solar cells, thin high-efficiency implementation, processing yields, electron, proton and neutron irrad. testing 2−18561
Si solar cells, thin-film, polycrst., comparison between MIS and p-n junction cells 2−23624
Si solar cells, vertical junction, electron radiation tests 2−18583
Si solar cells 2−12902
Si solar cells bicrystalline, scanning spectral response measurements for process optimisation 2−12904
Si solar cells columnar, diffusion parameters optimisation using two-step diffusion of phosphorus 2−12900
Si solar cells crystalline, non-single, grain boundaries electrical props. 2−12907
Si solar cells fabricated with Al back surface field, gridded back contacts, Ti-Pd-Ag metallization 2−18564

elemental semiconductors continued
Si solar cells for high concentration levels 2−18567
Si solar cells polycrystalline effects of special processing on diffusion lengths 2−12903
Si solar cells prep., molecular ion implantation system appl. 2−5669
p-Si solar cells with high output voltage, Cr-Au-Ag contact metallization, 654 mV open-cct. voltage 2−18560
Si solar cells with plated Ni-Cu metallisation system, reliability 2−23510
Si solar cells with reduced temp. sensitivity 2−28105
Si, solid phase epitaxial growth, effect of surface struct. and surface absorbates 2−8823
Si solid-phase epitaxy p-n junction formation, low-temp. technique for efficient solar cells 2−18593
Si, source, ultra-high vacuum deposition appl., use of two independent filaments 2−599
Si, spikes prevention in Al layers on Si surface 2−1322
Si strip production, by Stepanov method with wetted shaper 2−551
Si substrates, Czochralski grown, O impurity influence on MOS device performance *(Japanese)* 2−9737
Si substrates, numerical anal. of minority carrier lifetime, contactless meas. technique *(Japanese)* 2−9409
Si surface, (100), solid-phase epitaxial crystn. of amorphous Ge 2−8809
Si surface adsorption, optical memory centres 2−14632
Si surface barrier detector, ^{244}Cm and ^{252}Cf spontaneous fission fragments pulse height spectra 2−11784
Si surface barrier detector for time-of-flight spectrometer 2−11871
Si, surface overlayers detection and minimisation using spectroscopic ellipsometry 2−11646
Si surface p-n junction, surface electric field two-channel meas. using mirror electron microscope 2−14603
Si, surface potential distrib., freq. depend. *(Russian)* 2−1155
Si, surface recombination and bulk lifetime contactless PME investig. 2−10161
Si surface-barrier detectors, proton-induced nuclear reactions 2−17247
Si surfaces, selective etching 2−9573
Si switch, ultra high speed, for prepulse meas. of laser light *(Japanese)* 2−6106
Si tail ends revelation, by etching 2−1305
Si textured (100) oriented surfaces, optical characts., appls. to solar cells 2−23501
Si thin film, applicability of vacuum deposited silicon 2−12895
Si thin solar cells, optical confinement by diffuse back reflectors 2−23559
Si transfer layers for multilayer resist systems 2−25317
Si, transient hot-carrier phenomena, method of moments for anal. 2−24935
Si, two dimensional diffusion of self interstitials during oxidation, analytical soln. 2−24947
Si unconventional materials for solar cells, review 2−23518
Si vacuum deposited thin film solar cell, TiB_2 thin film electrode behaviour 2−28113
Si, vapour phase epitaxy 2−24288
Si wafer, Czochralski grown, photolum. characteris. of thermally-induced defects 2−9412
Si wafer, ion implantation dose uniformity improvement by compensated scan pattern generator 2−5680
Si wafer, low power electron irrad. with conventional electron gun, heating effect numerical simulation 2−14618
Si wafer, mechanical damage gettering effect 2−14615
Si wafer, n- and p-type, resist. variation, photovoltaic method meas. *(Japanese)* 2−22347
Si wafer, reactive sputter etching characteristics of wafer with CF_4 and O_2 mixed gas 2−14778
Si wafer cost reduction for photovoltaics 2−5661
Si wafer design controlling bow and warpage for VLSI lithography 2−14756
Si wafer fabrication plants, liquid N_2 filters and gas purifiers, gas analyzers 2−20179
Si wafer laser scribing, thermal and energy characts. *(Russian)* 2−1260
Si wafer processing, defect and contamination control 2−14755
Si wafer processing, temp. gradient zone melting appl. 2−14745
Si wafer rim, chemical etching procedure for elimination of slip lines 2−1304
Si wafers, laser annealing, light-absorbing layer 2−5654
Si wafers large-diameter, grown by Czochralski method, recombination props. *(Russian)* 2−14620
a-Si:Ar RF sputtered films, elec. and optical props., effect of Ar 2−20102
Si:As, B wafer reactive-ion etch end-point detect. using spectrophotometer and photodetector 2−1303
Si:As, CW laser and electron beam annealed, Rutherford backscatt. and SIMS anal. 2−25108
Si:As, implanted, CW Ar laser annealing, in situ temp. meas. using opt. pyrometer 2−25138
Si:As, implanted, CW laser annealed, real-time monitoring of opt. props. 2−25136
Si:As, implanted, laser or electron beam annealed, defect form., electron beam induced current study 2−25139
Si:As, ion implanted, doping profiles and elec. activation, Rutherford backscatt. study 2−14763
Si:As, ion implanted, ellipsometric spectrum *(Chinese)* 2−14758
Si:As, ion implanted, polycrystn. film, laser irrad., elec. props. grain size, annealing effect 2−9404
Si:As, ion implanted, radiation damage, in situ ion beam annealing 2−14764
Si:As, ion implanted, radiation damage determ. by profiling oxide growth rate 2−20213
Si:As emitters of transistors and diodes, energy gap narrowing in heavily-doped regions of devices 2−20241
Si:As^{2+}, ion implantation, scanned electron beam annealing 2−1159
Si:As(P), polycryst. film, CW laser annealing, SiO_2, Si_3N_4 substrate material effect 2−5690
Si:As(P), polycryst. film, pulsed and CW laser annealing 2−14771
Si:Au, implantation gettering of Au, neutron activation study 2−20185
Si:Au, surface, nonequilib. depletion layer, relax. vel. meas. *(Russian)* 2−24951
Si:Au n-n^+ diode struct., magnetosensitivity, effect of strong carrier accumulation 2−25193
n-Si:Au planar magnetodiodes with negative resist. 2−20230
Si:Au; phase shift spectroscopy of modulated photocurrent 2−1781
Si:Au(Pt), deep levels, effect on device performance *(Japanese)* 2−14647
Si:B, As, short channel MOSFET and n^+-p junction diode, fabrication using ion implantation and laser annealing 2−14871

elemental semiconductors continued
Si:B, B profiling using neutron induced reaction $^{10}B(n, \alpha)^7Li$ 2−1281
Si:B, H amorphous CVD film, hydrogenation effect, elec. cond. and ESR meas. 2−20100
Si:B, impurity diffusion and distrib. in surface layer during sublimation 2−14769
p-Si:B, nonlinear piezoresistance study 2−1164
Si:B, P, ion implanted, doping profiles, implantation sequence effect 2−25148
Si:B IR charge-injection-device array performance, space-based astronomical obs. appl. 2−3146
Si:B p-n junction solar cells simplified ion implantation system 2−12912
Si:B wafers, implantation dose accuracy and uniformity international survey 2−5674
Si:B^+, single crystal, TEM and AES study of ion bombardment 2−14635
Si:$B^+(P^+)(As^+)$, solar cells, prep. by ion implantation and pulsed laser annealing, optical and elec. characterisation 2−12862
Si:BF_2^+, amorphous, elec. activation and impurity redistribution during pulsed laser annealing 2−24921
n-Si:BF_2^+, ion implanted, plasma annealing 2−9565
Si:B(As)(In), pulsed laser annealing, melting phenomena 2−25155
Si:B(P), anomalous diffusion, suppression by pre-diffusion annealing 2−1296
Si:B(P), ion implanted, elec. props., incident ion energy depend. 2−25147
Si:B(P), laser chemically doped, elec. props. 2−9403
Si:Bi, furnace and laser annealed, backscatt. and channelling anal., depth distrib. 2−25107
Si:Cr, energy levels and degeneracy ratios determ. from Hall coeffs. 2−14627
Si:Cu_3Si semipermeable anode for Si electrorefining 2−24313
Si:F, H amorphous CVD film, hydrogenation effect, elec. cond. and ESR meas. 2−20100
Si:F,H, amorphous, MIS photovoltaic device, large area, high efficiency 2−25623
Si:F amorphous film, glow discharge plasma deposition from SiF_2 gas 2−19443
a-Si:F:H, electrical, spectral and doping properties 2−25023
Si:Ga, float zone growth, improved uniformity 2−8796
Si:Ga, high dose implanted, thermal annealing and elec. activation 2−1297
Si:Ga(Sb), MBE grown, sharp profiles with high and low doping levels 2−9551
Si:Gd, photoconductivity, induced, with exchange impurity levels 2−10121
a-Si:H, a-Si:F:H, Schottky-barrier diodes, elec. props. using new techniques 2−25067
Si:H, amorphous, elec. resistivity, hydrostatic press. effect 2−1161
Si:H, amorphous, electron irrad. effect on dark and photocond. and defect removal 2−24930
Si:H, amorphous, Hall mobility in presence of long range pot. fluctuations 2−1205
Si:H, amorphous, homogenous CVD 2−19442
Si:H, amorphous, hot carrier relax., optical picosecond study 2−25013
Si:H, amorphous, MIS solar cell, interface state of oxidation effects 2−28115
Si:H, amorphous, midgap density of states, space charge limited cond. study 2−24996
Si:H, amorphous, modulated photocurrent meas. 2−1780
Si:H, amorphous, non-dispersive and dispersive transport 2−25000
Si:H, amorphous, p-i-n junctions, photoacoustic emission 2−25052
Si:H, amorphous, photoconductivity, spectral and temp. depend. 2−1792
Si:H, amorphous, plasma deposited, photocond., temp. depend. 2−1778
Si:H, amorphous, plasma deposition, impurity doping, substrate pot. effect 2−20189
Si:H, amorphous, prep. from higher silanes with high growth rate 2−606
Si:H, amorphous, RF sputtered, transport props. 2−1204
Si:H, amorphous, reactively sputtered, solar cell, electron-hole recombination 2−23417
Si:H, amorphous, solar cell, transparent conducting coating 2−12859
Si:H, amorphous, solar cell appl., spectral response and capacitance meas. 2−23566
Si:H, amorphous, transport props., CPA calc. 2−20101
Si:H, amorphous, vidicon targets, blocking struct. role 2−25566
Si:H, amorphous film, large area plasma deposition and elec. props. 2−19426
Si:H, amorphous film growth, plasma diagnostics 2−24331
Si:H, amorphous hydrogenated, reactive laser evaporation 2−594
Si:H, amorphous ion beam deposited coating, prep. and props. 2−20094
Si:H, amorphous plasma deposited coating, field effect cond., illumination and annealing effects 2−24994
Si:H, amorphous RF magnetron sputtered coating, elec. and optical props. 2−19425
Si:H, amorphous RF sputtered coating, IR 2000 cm^{-1} absorpt. band and photoelectronic props. 2−20096
Si:H, amorphous Schottky barrier solar cells, prep. by plasma decomp. and sputtering, carrier generation efficiency 2−12861
Si:H, amorphous vacuum deposited films, theta pinch hydrogenation 2−20190
a-Si:H, appl. in electrophotography and vidicon devices 2−20107
p-Si:H, B amorphous film, high cond., prep. by Penning discharge 2−19439
Si:H, crystalline, reactive sputtering fabrication, struct. study by X-ray diffr. and optical spectra 2−607
Si:H, intrinsic, amorphous, dual light beam modulation of photocarrier lifetime 2−25576
Si:H, Li amorphous film, DC glow discharge deposited, photovoltaic effect 2−25571
a-Si:H, meas., and anal. of current transients, DLTS and TSC obs. 2−25002
Si:H, microcryst. plasma deposited coating, elec. cond. and optical absorpt. 2−24922
Si:H, O sputtered films, amorphous, optoelectronic props., effect of O 2−25580
a-Si:H, photoresponse time and density of localised states in mobility gap 2−25001
Si:H, sputtered coating, H effusion, ion beam nuclear analysis *(French)* 2−589
Si:H,B, Li-diffused, amorphous compensated, dark and photocond. 2−24932
Si:H,B amorphous film, elec. props., optical props. 2−25015
Si:H,Cl amorphous film, photolum. studies 2−25604

elemental semiconductors continued
Si:H,N(O), amorphous glow discharge film, elec. cond. and photocond., $N_2(O_2)$ doping effect 2−20098
Si:H,P, amorphous, photogenerated carrier recombination 2−24929
Si:H,P films, elec. props., transition to amorphous phase, solar cell props. 2−24927
Si:H amorphous, interface with noble metals, struct. and elec. props. 2−20137
Si:H amorphous film deposition by Penning glow discharge of SiH_4 2−19437
Si:H amorphous film deposition from SiH_4-Ar plasma 2−19441
Si:H amorphous film solar cell, Tandem type 2−28116
Si:H amorphous films, gas phase doped or ion implanted 2−20191
Si:H amorphous films, photocond. and photolum 2−25578
Si:H amorphous films, SiH_4 decomp. prep., phys. props. 2−1203
Si:H amorphous films for electrophotographic appl., photoelec. props. 2−24928
Si:H amorphous multijunction solar cells, conversion efficiency and interference effects in spectral response 2−23444
Si:H amorphous n-i-p solar cell, minority carrier transport in depletion layers 2−28117
Si:H amorphous p-n junctions, elec. transport, doping effects 2−25054
Si:H amorphous plasma deposited coating, elec. and optical props., RF power and growth temp. depend. 2−19444
Si:H amorphous Schottky barrier diode characts., mathematical model 2−25189
Si:H amorphous Schottky diode, electron transport and deep localized state kinetics 2−25188
Si:H amorphous solar cell, carrier collection, image force effects 2−4336
Si:H amorphous solar cell, plasma deposited, impurity effects 2−12864
Si:H amorphous solar cell, large area, conversion efficiency under AM1 illumination 2−23567
Si:H amorphous thin film solar cells electrical and optical props. optimisation using RF bias-sputtering 2−23446
a-Si:H and a-Si:F:H P-I-N solar cells, photovoltaic behaviour 2−23533
Si:H film, amorphous plasma deposited, RF power and reactant gas press. effect 2−13837
a-Si:H film, photocond. anal. luminesc. meas. of cond. band tail 2−25575
Si:H films, amorphous n-type and p-type, primary and secondary photocurrents 2−25574
a-Si:H films, impurity doping, morphological study, electrical and optical properties 2−25022
α-Si:H preparation by CVD 2−9449
Si:H Schottky barrier diodes, amorphous, electrical characterisation 2−23445
a-Si:H solar cells, impurity effects 2−23534
a-Si:H solar cells, material optimisation studies 2−23529
a-Si:H solar cells, N-I-P and P-I-N, photogenerated carrier collection and loss mechanism anal. 2−23530
Si:H/SiC:H amorphous solar cell 2−24997
Si:H(B)(P), amorphous DC sputtered coating, doping and elec. props. 2−19424
Si:H(H,F), amorphous, plasma deposition kinetics model 2−19445
Si:In, low energy implant simulation using target tilt 2−5665
Si:In, shallow acceptor X-levels, development as IR detector material 2−9413
Si:Li polycrystalline solar cells, effect of diffusion on grain boundary transport and minority carrier recombination 2−23622
n-Si:Mn, residual cond., degree of compensation and impurity conc. effects 2−5539
Si:N amorphous film, elec. and optical props. 2−9459
Si:O, p-n junction characts., O conc. influence 2−20122
Si:O(H)(F) evaporated amorphous films, DC cond., impurities effect 2−5580
p-Si:P, ion bombarded, doping by radiation accelerated diffusion 2−14767
Si:P, photocond. IR detectors, low photon background appl. 2−10143
Si:P, polycrystalline, plasma etching, P doping effect, electron microscopy study 2−5698
Si:P film, LPCVD, polycryst., grain size and resist. 2−9407
Si:P film, polycryst., elec. characts., O content effect 2−1148
Si:P implanted wafer, multiscanning electron beam annealing, solar cells appl. 2−14614
Si:P ion-implanted solar cells, pulsed electron beam annealing 2−23581
Si:P-Nb Josephson struct., high resistance 2−25455
p-Si:Pd, natural and doped surfaces, IR photosensitivity, external elec. field effect 2−1790
Si:S, sharpline photocond. 2−10118
Si:S(Se) IR detector, spectral response, dopant diffusion vapour press. effect 2−3160
Si:Sn(Fe), laser implantation, impurity distrib. 2−20184
Si:Tl, solution growth for 3 to 5 μm photocond. detectors 2−8798
p-Si/aqueous electrolyte interface in solar cells, oxide optimisation 2−12849
n-Si/metal or metal-free phthalocyanine film/electrolyte, photovoltaic cell 2−9525
n-Si-Al diodes, CW laser processed, elec. props., laser power depend 2−25187
Si-Al Schottky diodes, temp. annealing effect on electrophysical props. *(Russian)* 2−5721
Si-Al_2O_3, charge carrier props. in p-type layers of SOS 2−6087
Si-Al-(111)Si structures, redistrib. of Si at low annealing temps 2−5627
Si-$As_2Sr_3Cu_x$ p-n heterojunction, current-voltage characts. 2−25053
Si-chalcogenide glass film magnetodiode, magnetosensitive memory effect 2−14837
Si-F-H amorphous film, Schottky-barrier and MIS solar cell appls. 2−23564
Si-Fe contacts, barrier height meas. 2−1233
Si-GaP heterojunction, elec. and photoelec. props. 2−25062
Si-Ga(Sb) interface Schottky barrier formation 2−25071
Si-Ge two junction tandem solar cells for thermophotovoltaic appls. 2−23560
Si-insulator triple struct. fabrication by O_2 implantation and epitaxial growth 2−19421
p-Si-n^+-GaP heterojunctions, elec. and photoelec. props. 2−25063
Si-Ni, Schottky barrier heights and silicide formation 2−9499
Si-on-ceramic substrate fabrication using Si-coating-by-inverted meniscus process, solar cell appl. 2−23569
Si-Pd, Schottky barrier heights and silicide formation 2−9499
Si-Pd diode, H sensitivity, substrate effect 2−9618
Si-Pd Schottky barrier solar cell, characts. 2−18471
Si-Pt, Schottky barrier heights and silicide formation 2−9499
elemental semiconductors continued
Si-rare earth oxide film MOS struct., negative resist., switching and signal generation 2−25094
Si-SiO_2, avalanche electron injection, interface states generation 2−9506
Si-SiO_2, MIS-structure, effect of radiation on elec. props. *(Russian)* 2−1253
Si-SiO_2 interface, ellipsometric investig. with continuous and discontinuous etching methods, transition layer *(Russian)* 2−9509
Si-SiO_2 interface, phys. struct. of interface states, correl. to technology anal. *(German)* 2−14720
Si-SiO_2 interface defects, low temp. annealing and hydrogenation 2−5636
Si-SiO_2 interface in MOS structures, radiation-induced trivalent Si defect buildup 2−14705
Si-SiO_2 interface roughness, oxidation parameter influence 2−1242
p-Si-SiO_2 MIS structure, photocapacitive study 2−20150
Si-SiO_2 MOS struct., electron capture at Na^+ sites, 77 to 296K 2−25080
Si-SiO_2 MOS structs., donor conc. in Si surface layer, electron irrad. temp. effect 2−9517
Si-SiO_2 MOS system, As implants through SiO_2 layer, TEM, Rutherford backscatt. and device characts. study 2−20198
Si-SiO_2 system obtained by Si oxidation in water vapour, electrophys. props. *(Russian)* 2−14724
Si-SiO_2 systems, physico-chemical processes, behaviour of H and H-containing structs. *(Russian)* 2−1249
Si-SiO_2-Al structure, Al-SiO_2 and Si-SiO_2 interlayer characts., ellipsometry, C-V meas., and AES - study 2−5638
Si-SiO_2-Al structure, Fowler-Nordheim electron tunnelling 2−14710
Si-SiO_2-Al structures, electron tunnelling 2−9503
Si-SiO_2-Si_3N_4-metal, MNOS transistor memory, H_2 annealing 2−1379
Si-SiO_2-Ta sputtered coating, interface stresses and elec. props. 2−14730
Si-SiO_2-electrolyte structures, interface state props. depend. on pH 2−20141
Si-SiO_2-n-InAs(n-InSb)(p-ZnTe) hybrid struct., elec. cond. and capacitance 2−14739
Si-SiO_3, in MOS structure, charge properties, influence of Si etching in RF Ar plasma *(Russian)* 2−1245
n-Si-TiN contact, elec. characts. 2−14711
Si-V_2O_5 photovoltaic cell, preparation techniques effect on oxide conductivity and open circuit voltage 2−8009
Si-WSi_2 polycide, 1 μm, in MOSFET technology 2−9736
Si-ZnO SAW device, Sezawa to Rayleigh mode conversion 2−1532
Si+H, amorphous, transient photocond. and Schottky barrier profile determ. 2−25573
a-SiH_x solar cells, AM1 short cct. current optical limitations 2−23528
Si(Li) detector response function appl. for W library standard anal. 2−11801
Si(Li)-Ge(Li) coincidence cct. adjustment, radioactive sources 2−11755
Si_3N_4-Si, ion beam synthesised passivating layers, XPS study 2−25154
Si_3N_4-SiO_2-Si structure, spectroscopic ellipsometry, nondestructive anal. 2−14712
SiO_2-Si interface states generation at low temp. with ionising radiation 2−14702
SiO_2-Si:B, ion implanted layers, equivalent circuit 2−25087
Si(100) inversion layer, hot electrons at low lattice temps. 2−25082
SnO_2/n-Si solar cells, stability 2−23640
SnO_2-SiO_2-n-type Si MIS solar cells fabrication and performance 2−23451
p-Te film, evaporated, thermoelec. power 2−5542
Te film on $Pb_5Ge_3O_{11}$, TGS and TGSe substrates, ferroelec. field effects 2−1527
Te, impurity lines, anomalous stress shift under high press. 2−20067
Te large refractive index nonlinearities and optically bistable devices 2−10367
Te, photocond. meas. at 77K in 1.4 to 4.4 μm range 2−15375
Te, Y-cut, total saturation of current 2−24950
Te-amorphous Se:Te-amorphous Se-Al, p-i-n semicond. diodes, negative resist. characts. and hysteresis effect 2−14662
Ti-p-Si MIS type Schottky barriers 2−25083
WSi_x-Si:P annealing behaviour, effect on MOSFET IC device fabrication 2−5820
Y-Si Schottky barrier diode, barrier height and Auger depth profile 2−14830
YSi_2-Si Schottky barrier diode, barrier height and Auger depth profile 2−14830
ZnTe-Si heterostructure, epitaxial growth model of ZnTe, film comp. and interface struct. 2−19411

elevators *see lifts*

ellipsometers
see also ellipsometry
automatic ellipsometer for electric field measurement near liquid/solid dielectric interfaces 2−11570

ellipsometry
see also ellipsometers; polarimetry
electrode processes in gas discharges, model 2−9350
MIS structures, charge distribution in insulator films, meas. methods, ellipsometry *(Japanese)* 2−1250
review of ellipsometric configurations and techniques in semicond. characts. 2−17148
semiconductor, surface overlayers detection and minimisation using spectroscopic ellipsometry 2−11646
semiconductor technology, optical characterisation techniques, conf., San Jose, USA (Apr. 1981) 2−8136
semiconductor technology, process control using ellipsometry 2−14748
poly-Si, nucleation and growth, in-situ obs. 2−24327
sinusoidally varying light signals detector, tripple configuration 2−3156
GaAs-(Al,Ga)As heterostructure growth, qualitative and quantitative assessments by fast ellipsometers 2−5004
Ge, chemical etching and cleaning procedures 2−1300
Ge, chemical etching and cleaning procedures 2−5691
III-V semiconductors, chemical etching and cleaning procedures 2−1300
III-V semiconductors, chemical etching and cleaning procedures 2−5691
InP:Se^+, ion implanted, Rutherford backscatt. and ellipsometry 2−9560
Si, chemical etching and cleaning procedures 2−1300
Si, chemical etching and cleaning procedures 2−5691
Si optical absorption meas. for pure and heavily-doped materials, 1.24 to 4.63 eV, polarization modulation ellipsometry, solar cell performance 2−23607
Si:As, ion implanted, ellipsometric spectrum *(Chinese)* 2−14758
Si:Ga, high dose implanted, thermal annealing and elec. activation 2−1297

ellipsometry continued
$Si-SiO_2$ interface, ellipsometric investig. with continuous and discontinuous etching methods, transition layer *(Russian)* 2−9509
$Si-SiO_2$-Al structure, Al-SiO_2 and Si-SiO_2 interlayer charact., ellipsometry, C-V meas., and AES study 2−5638
Si_3N_4 amorphous layers, oxidation kinetics, ellipsometric obs. on Si-Si_3N_4-SiO_2 struct. 2−1306
Si_3N_4-SiO_2-Si structure, spectroscopic ellipsometry, nondestructive anal. 2−14712

elliptical polarisation *see polarisation*

elongation
see also deformation; thermal expansion
polyester fibres, modification of struct. by stretching and thermal treatment *(German)* 2−13867
steel, cost stainless, low temp. mech. props., appl. in Isabelle magnet tubes 2−11722
Be wire, high-strength, mech. props. and elec. cond. 2−611

e.m. waves *see electromagnetic waves*

e.m.c. *see electromagnetic compatibility*

emergency power generators *see standby generators*

emergency power supply
20kW photovoltaic flat-panel power systems 2−23222
asynchronous generators with capacitive excitation, charact. and performance for use in mobile generatin-g sets *(German)* 2−7842
automation of synchronous drives for a reliable operation of electrical equipment in catalytic cracking points *(Russian)* 2−18824
computer systems, uninterruptible power supplies 2−27998
diesel generator standby systems for nuclear power plants availability study by digital simulation 2−27774
electronic data processing standby power supplies 2−17686
fast optimal load-flow under emergency operating conditions 2−22871
hospital installations power supplies and back-up sources in case of failure 2−27443
industrial power supply, interruption-free *(Russian)* 2−27985
lighting, present regulations and guidelines 2−23733
maintenance-free power packs for emergency lighting 2−23734
multiple levels and classifications/ of emergency electrical power systems/ 2−3726
no-break power supplies, capacitor-based changeover device *(French)* 2−22866
no-break power supply, ASEA's new static convertor-fed supply 2−27994
office computer emergency back-up energy supplies, market developments *(Swedish)* 2−27442
safety systems for security and hospital paging, appls. *(German)* 2−18945
small-scale, overall planning problems 2−23150
stand-by inverter of single phase for three-phase UPS transformer 2−27974
standby generator for emergency use *(Japanese)* 2−23153
standby generators, DC, diesel-driven, up to 200 kW *(Spanish)* 2−27773
standby power generation unit internal combustion engine co-utilisation to drive heat pump plant 2−13085
static invertors for emergency power supply 2−7912
stationary flywheel energy storage, appls. study *(German)* 2−12950
Steiner and Steiner system of autonomous current supply for emergency lighting *(French, German)* 2−23736
uninterruptible power supplies, appls. 2−7519
uninterruptible power supplies for computer installations 2−27440
uninterruptible power supplies for emergency appls. in electronic systems, microcomputer power units 2−7925
volatile RAM, lithium cells for standby power supply 2−4327
Pb-acid stationary batteries, float service and self-discharge characteristics, telephony appl. 2−16253

e.m.f. *see electric potential*

emission spectra *see spectra*

emissivity
see also brightness
determination method for objects at normal temp. 2−17155
thermal imaging, target props., effect of environment radiation *(Chinese)* 2−3062

emitrons *see television camera tubes*

emitter-coupled logic
see also logic circuits; switching circuits
AM/FM radio synthesizer using ECL/I^2L circuitry 2−2891
basic ECL gate with 1.25 μm design rule, LSI technology appl., prep. by advanced photolithography 2−20395
board testing methods 2−19617
cascode emitter-coupled logic balanced positive decoders 2−14071
current-mode switching circuits, analytical approx. for propag. delays 2−14058
delay control circuit 2−14072
dilepton triggers, fast ECL-CAMAC processor 2−11862
encoder and decoder circuit, 4-valued logic levels 2−19646
Fairchild F100136 ECL counter/register IC, operation and appls. *(German)* 2−19749
gate array family, for VLSI, semi-custom IC fabrication for digital systems 2−14930
ground-down receiver, ECL levels to Schottky current switch level 2−24485
Motorola's oxide-isolated ECL ICs, charact. 2−5182
Motorola 10000 series circuits, for quartz oscillators *(French)* 2−25400
NOR gate, with dual current source 2−5200
particle detector, ARGUS, fast secondary trigger processor 2−11863
PCB in-circuit testing 2−9288
processing, bipolar test chip with emphasis on modularity and testability 2−14985
RAM, 3 ns, 1 kbit, fabrication using super self-aligned process technology 2−24516
recoil missing mass trigger, ECL-CAMAC processor system 2−11861
socketable packaging for high-power LSI devices in high-speed computers 2−24003
synchronous baseband switch, for digital radio links *(German)* 2−26394
VLSI supply voltage and logic levels, potential compatibility with TTL and ECL 2−19648

emitter followers
No entries

employees *see personnel*

employment
see also personnel; salaries and wages
electronics industry, work environment, facilities strategies, management aspects 2−4604
microelectronics, effect on employment in western economies 2−8331
microelectronics employment, implications of university faculty and graduate student shortages 2−8156
microelectronics symposium, Starkville, MS, USA (May 1981) 2−8154
power plant operating personnel aptitude testing and results evaluation *(Slovak)* 2−23926
researchers in electrotechnology, profile 2−7

emulsions (nuclear track) *see nuclear track emulsions*

encapsulation
see also packaging
capacitor encapsulation using rotary and shuttle thermoplastic injection molding system 2−14319
capacitor manufacturing using reel fed continuous strip system 2−14318
ceramics, design and appl. 2−13856
decapsulation of silicone potted electronic assemblies by US stirring, failure analysis appl. 2−4662
electrical/electronics insulation, conf., Chicago, IL, USA (Oct. 1981) 2−18872
epoxy encapsulation of thin film resistors 2−5479
flat plate photovoltaic modules encapsulation systems, thermal and optical performance 2−23540
hermetic removable cap for reworking 2−23997
hybrid circuit encapsulants, moisture protection screening test 2−24847
hybrid IC, top surface divider for modules allowing different types of mounting configurations of chips 2−24840
IC chip heat spreader embedded in thermal grease, heat conduction to module encapsulant 2−96
optoelectronic devices, polymer motion and polymer force stress conditions extrapolated from temp. cycling tests 2−15370
plastic encapsulated ICs, reliability tests and internal stresses 2−14941
plastic encapsulated lead frame packaging system, reliability study 2−13293
plastic encapsulated power transistors, improved cost effectiveness and product reliability through solder alloy development 2−9339
polymer materials, appls. for integrated ccts. *(Japanese)* 2−20335
semiconductor device reliability, encapsulation investig. *(Italian)* 2−20217
solar photovoltaic arrays, arrays, low-cost, glass encapsulation 2−23440
stacking method employing metallized tape 2−23998
terrestrial photovoltaic modules, encapsulation system design 2−23500
thermally conductive elastomeric cap for a module containing semicond. chip 2−23999
thermosetting plastics, transfer moulding and appl. 2−13259
Al metallisation corrosion in plastic encapsulated ICs, accel. by CF_4-O_2 plasma in presence of die attach epoxies 2−14942
GaAs, ion implanted, Raman scatt. characteris. of changes induced by encapsulation and thermal annealing 2−9433
GaAs, ion implanted and laser annealed, residual damage, TEM study 2−14773
GaAs substrates, Cr, Si, Mn, and Fe distrib. after annealing with and without SiO_2 encapsulant 2−14765
GaAs:Se, electron beam annealing, multiply-scanned beam method 2−1170
GaAs:Se, electron beam annealing, multiply-scanned beam method 2−5546
InP, growth and cryst. quality by liq. encapsulated Czochralski technique 2−4983
Si film, encapsulated, zone-melting recrystn. on SiO_2, morphology and crystallography 2−24916

encoding
see also codecs; codes; decoding
16-bit digital signal-processing system for audio signals *(German)* 2−26691
adaptive block/location coding of facsimile signals using subsampling and interpolation 2−21294
adaptive delta modulated video signals, data compression 2−15939
adaptive hybrid image coding technique 2−15935
adaptive transform coding of video signals 2−21375
angular encoder, axisymm., short pulse generation for laser fusion 2−6244
arbitrary two dimensional geometric configurations encoding 2−2272
asymptotically mean stationary channels, capacity 2−2231
asynchronous intra-frame coding with one-dimensional prediction 2−21301
automatic character recognition by Fourier descriptors and boundary line encodings 2−26157
balloon-borne ion mass spectrometer, control and data transmission system 2−12077
band-limited satellite channels, convolutional code and signal waveform design 2−2764
best Huffman trees 2−15827
binary coded signal performance, effect of pulse shapes on Miller, Manchester and CRL codes 2−2270
binary images encoding using DF algorithm 2−26109
binary linear code, determ. of codeword with least weight, nondeterministic polynomial (NP)-hard problem 2−10632
binary multiplying channel, coding scheme that operates beyond Shannon's inner bound region 2−21285
block adaptive DPCM picture coding based upon partition into stationary subsets 2−21386
block encoding and decoding for optical PPM channel 2−21283
bounds on the average error probability for a code ensemble with fixed composition 2−21297
broadcast TV signals, statistical performance anal. of interframe encoder 2−16625
buried-subcarrier encoding and decoding for RCA video discs 2−2948
C-CD memory using multilevel storage, encoding and decoding circuits 2−24523
CAPTAIN system, trial service, new colour encoding methods *(Japanese)* 2−21512
cascode emitter-coupled logic balanced positive decoders 2−14071
channel coding with multilevel/phase signals 2−21280
coding theory and appl. 2−2282
colour TV signal, predictive data compression using component coding system 2−11151
colour TV signals for electrocinematography 2−2965
compression of black-white images with arithmetic coding/ 2−2374

encoding continued
computerised image processing, many-valued logics appl. 2−15851
computerised pattern recognition 2−21300
conditional pressure and coding 2−4766
conditional runlength codes based on two composite states, improvement 2−10628
conjunctive representations of n-ary relations 2−24187
constant area quantisation bandwidth compression scheme 2−15943
content-addressable memory requirements for multivalued logic 2−15850
convolutional coding and Viterbi decoding with noncoherent CPFSK, simulations 2−10637
correlative coding scheme description by MSK with intersymbol interference 2−2285
d-total boundedness for classes of B sources, characterizations 2−21277
data file transmission, efficient method using on-the-fly Huffmann code 2−6642
data sources, delay and overhead 2−15841
data transmission employing class 4 partial response coding and SSB modulation, effect of channel filtering 2−15812
decimal sequences, appls., lower bound on Hamming distance, error control coding 2−2291
DF algorithm modifications for encoding multilevel graphic images *(Slovak)* 2−26151
digital audio studio technology *(German)* 2−6957
digital coding of TV broadcasting, EBU position 2−16543
digital colour TV signals, standardisation *(German)* 2−6889
digital communications, error-correction coding, book 2−10644
digital decoding and encoding of the NTSC signal at 912 samples per line 2−16675
digital magnetic recording, anal. of multilevel encoding 2−25426
digital predictive run-length image compression, two-dimens. encoding enhancement 2−26152
digital transmission rate reduction, code conversion appl. *(Japanese)* 2−15848
digital TV studio coding parameter selection 2−16544
digital video bandwidth compression using block truncation coding 2−15942
direct sequence spread spectrum system with long period and short period code sequences, QPSK/BPSK spreading for noise and jamming 2−2671
DPCM codecs for PSK voiceband data 2−21305
DPCM compression algorithm, appl. of pseudorandom noise 2−15938
DPCM speech channel, subsampling, to provide two half-rate channels 2−10763
entropy, toll quality residual encoder for speech appl. 2−10913
error correction codes, low-complexity, recursive approach 2−15829
facsimile, image coding for non-impact printing 2−16083
facsimile signals, modified READ 2-dimensional coding scheme *(Japanese)* 2−16076
feedback capacity region of discrete memoryless multiple access channels 2−21282
Fresnel zone plate coded images, optical scanning reconstruction 2−15928
Gray code generation technique 2−6408
Gray code to binary code conversion program *(German)* 2−2259
hatched image coding using multichannel optical-electronic unit *(Russian)* 2−2365
high-speed transmission of sequential freeze-pictures by extracting changed areas 2−21654
holographic interferometric fringe patterns, colour encoding with white-light processing 2−2027
home VTR, digital image file *(Japanese)* 2−16667
hybrid companding delta modulation digital coding system, digital simulation of performance, speech coding appl. 2−2266
hybrid DFT/DPCM interframe image coding efficiency 2−2287
image reconstruction, combined source-channel coding of data using block cosine transform 2−2375
image subtraction, real time, electro-optic 2−21370
image subtraction with an encoded extended incoherent source 2−15929
insertion of 32 kbit/s coding in the telephone network: general trends and tandem connection problems *(French)* 2−6544
integrated service digital communication networks, standardization, coding systems and terminal struct. *(German)* 2−2429
interfield hybrid coding of component colour TV signals 2−15936
interframe image coding, displacement meas. 2−15941
keyboard encoder based on two integrated TTLs *(Italian)* 2−9125
keyboard type shift register for use with encoder *(Italian)* 2−9126
Lee metric perfect codes, Elias bound and nonexistence theorem 2−21290
line code selection for PCM transmission via coaxial cable, five stage code *(German)* 2−10641
LPC, recursive windowing for generating autocorrelation coefficients 2−6405
mapping a 1-out-of-8 code into the integers 1 to 8 2−6404
microchannel plate read-out using graded-density electrodes 2−27043
microprocessor-based architecture for high speed data processing 2−15872
MicroSeries system, high performance optical encoders 2−22387
minimum mean squared error block quantisers, properties 2−21284
modified FM code, elimination of redundant flux changes, encoding procedure 2−26088
monochrome pictures, adaptive transform coding using discrete cosine transform, energy distrib. logarithmic model 2−10719
moving picture encoding, adaptive straight line approx. technique 2−10645
multicolor holographic readout systems 2−20972
multilevel ordered dither method for continuous-tone digital facsimile coding 2−2482
multiple formated data strings, utilisation of cyclic redundancy check for error correction 2−6402
multiple-access channels, universal coding and decoding problems 2−10726
mutilievel image compression algorithm, predictive encoding 2−26113
NTSC signals, 30 Mbit/sec codec using interfield-intrafield adaptive prediction 2−16624
NTSC TV signals, architecture for hybrid coding 2−11150
NTSC video signals, sampling and reconstruction at twice colour subcarrier freq. 2−15944
nuclear medicine pictures, coding and decoding 2−22549
oceanographic current meter, solid-state encoding system 2−22742
optical direct-detection channel 2−16471
optical image subtraction, encoding of extended incoherent source 2−2382
optimal coding in two-user white Gaussian channels with feedback 2−15833
optimal lattice-based code, encoding and decoding algorithms 2−2290
encoding continued
PAL video signals for 34 Mbit/s transmission, bandwidth compression appl. 2−16542
physical coding of multivalued signals *(Russian)* 2−2257
pictorial image reproduction, survey of electronic techniques 2−21372
picture coding research for 2 Mbit/s transmission, European collaboration 2−21448
pinned sine transform image coder 2−15934
poor man's balloon control and data system 2−12078
programmable priority encoder cct., using logic comparator timer *(Italian)* 2−21275
quantisation systems with stochastic reference, general props. 2−9196
rapid transit systems, rate-coded audio-freq. track ccts. with chopper propulsion drive, compatibility 2−18690
rate-distortion speech coding with min. discrimination information distortion measure 2−10657
resistive anode position encoders, distortion, noise and resolution performance 2−17293
robust two-dimensional tree encoding of images 2−15940
satellite communication system, encryption and authentication by onboard processing system 2−16412
scene adaptive coder, using discrete cosine transform 2−10649
sequential digitized video imagery, bandwidth compression using block truncation cooling 2−2397
shaft angle measurement, digital encoder *(Chinese)* 2−17125
shaft encoders, elimination of clock-count errors 2−14050
signals for VTRs *(Japanese)* 2−11245
sliding-block coding for weakly continuous channels 2−21276
source encoding for partially coherent optical processing 2−26150
sources with finite memory, data compression appl. 2−21352
spacecraft-to-ground telemetry channel concatenated coding performance 2−2775
spectrum encoding for speech analysis-synthesis *(Japanese)* 2−10660
speech, residual-excited linear prediction coder, 4.8 kbit/s, intelligibility and quality 2−2303
speech at data rate below 5 kbit/s, speech digitisation methods *(French)* 2−6419
speech data compression systems using inverse filter codebook 2−10667
speech digital encoding at medium bit rate of 5 to 16 bit/s *(French)* 2−6420
speech waveform coding techniques *(Japanese)* 2−10659
speech waveforms, automatic voice response systems for telephony appl. 2−10653
stationary nonergodic source coding, simultaneous optimal coding of independent and identical sources 2−6412
stereocoder for service purposes *(German)* 2−16707
stereocoder for servicing use *(German)* 2−11279
synthetic images, tree encoding in presence of channel errors, two-dimens. autoregressive random field models 2−10709
teleconferencing, at 9600 baud 2−11261
telemetry signal scrambling at Navy RDT and E ranges, impact 2−10820
television picture component coding system, experimental 2−21911
television signals, interfield and intrafield adaptive prediction coding *(Japanese)* 2−6406
Telidon, encoding grey level BIT pictures 2−10837
Telidon alphageometric coding scheme 2−6559
TESLA MPK 32 PCM multiplexing equipment *(Czech)* 2−6670
three-dimensional contour line order meas. for arbitrary object, time sequentially coded gratings, implementation 2−11624
three-level double integration adaptive delta modulator, construction method 2−21299
time signal permutation method analysis, analog voice privacy system appl. 2−15869
transform image coding, channel error recovery 2−15937
TV broadcasting, domestic recording of 24 hr TV transmission, microprocessor appl. *(German)* 2−21903
TV security for satellite broadcast 2−21306
two channel picture coding system, adaptive companding and colour coding 2−15946
two channel picture coding system, real time implementation 2−15945
two-dimensional cyclic codes, independent point set determ. for doubly periodic arrays 2−15831
two-dimensional DPCM image coding based on an assumed stochastic image model 2−2376
two-way radio systems, paging encoder, microprocessor system 2−16383
universal codeword sets 2−15839
universal noiseless coding, software package and algorithms 2−21302
variable-length code-word encoder/decoder 2−10635
video discs, encoding schemes 2−26646
video DM bit stream, entropy encoding 2−10650
video hybrid coding by picture domain segmentation 2−10624
video signal differential numerical encoder, microcomputer aided *(Italian)* 2−21953
video signals, NTSC, contour prediction, adaptive DPCM algorithm 2−10705
Videotex Information Provider System for Telidon coding 2−26258
voice synthesizing ccts. using linear predictive coding techniques *(Italian)* 2−6415
voiceband data signal encoding by delta modulation systems, computer simulation, comparison of methods 2−2551
weakly continuous channels, block coding 2−10606
weakly minimax on universal coding for classes of composite and remote sources with memory 2−10630
Wyner-Ziv multiterminal source coding theorem, proof 2−15832

energy, surface *see surface energy*

energy bands *see band structure*

energy bands, electron *see band structure*

energy control *see power control*

energy conversion, direct *see direct energy conversion*

energy gap
see also superconducting energy gap
bipolar devices, two dimensional simulation, bandgap narrowing effects 2−5731
CC/a-/Si-H, hydrogenated film struct. and prop. depend. on RF-sputtering gas press. 2−600
heavily-doped semiconductors, bandgap reduction mechanism, bandtailing and rigid band models 2−20059
narrow and wide gap materials, optical and electronic props., model based studies 2−14604

energy gap continued
p-n junction diode, normal modes for materials parameter determ., open-circuit voltage decay 2−9619
semiconductor, diffusion of high density electrons and holes, and many-body effects 2−24899
semiconductor materials, neutron transmutation doping 2−1292
semiconductor superlattices, electronic properties, struct. and growth techniques 2−1221
semiconductor-insulator nonlattice matched interface, U-shaped background density of interface states 2−14716
semiconductors, photoeffect, spectral sensitisation, by dyes *(Russian)* 2−20717
solar cell, band gap narrowing evaluation methodology based on measurements of emitter and base lifetimes and relaxation time 2−23463
$Al_xGa_{1-x}As$:Si graded-band-gap p-n structs., photoluminescence spectra 2−10124
As_2Se_3, amorphous, density of state in gap, dispersive photocurrent meas. 2−25572
Au-n-$Ga_{1-x}Al_xP$ surface barrier struct., photoelectric effect 2−15412
α-B, rhomobohedral, elec. cond., thermoelec. power and Hall coeff. 2−24926
$B_{13}C_2$, electronic struct. and semicond. behaviour 2−25035
BeF_2 glasses, vacuum UV props. 2−9965
$Cd_xPb_{1-x}S$ (x=0.0625, 0.15625) superstructural thin film, props. 2−9478
CdTe detector characteristics for γ dosimetry 2−27213
n-CdTe:Pb films, vapour deposited, elec. anal. optical props. 2−14655
$Cd_{1-x}Zn_xS/Cu_2S$ photovoltaic cells heterojunction energy band lineups anal. 2−18515
$CuTiSe_2$, liquid, elec. cond. and thermoelec. power 2−9464
$Fe_{1-x}Cr_xNbO_4$, prep., cryst. struct., mag. and electronic props. 2−15381
GaAs:H, amorphous, RF sputtering and optical props., H_2 partial press. effect 2−19427
GaSb, electron transport and conduction band struct. 2−24963
Ga_2Se_3-In_2Se_3 thin films, elec. and optical props. 2−1216
Ge-Si, solid solutions, kinetics of photoconductivity *(Russian)* 2−6085
InGaAsP lattice, matched to InP, growth and charact. review 2−8812
$LiGaSe_2$ single cryst. growth and characterization 2−8792
p-$Ni_{0.98}Li_{0.02}O$ as photoelectrolysis cathode, flatband pot. and band gap 2−20715
p-$Pb_{1-x}Cd_xTe$ epitaxial film, elec. transport props. 2−5590
$Pb_{1-x}Sn_xTe$, epitaxial layer, elec. cond. and Hall effect *(Russian)* 2−25045
PbTeSe, LPE growth lattice-matched to PbSnTe, phys. and elec. props. 2−585
Si, amorphous, gap states and band tail absorption, direct meas. by const. photocurrent method 2−1787
Si, neutron transmutation doping 2−1292
Si polycrystalline solar cell performance, effect of grain boundaries, energy-gap narrowing, trap-assisted recombination 2−23493
Si:As emitters of transistors and diodes, energy gap narrowing in heavily-doped regions of devices 2−20241
Si:H, amorphous ion beam deposited coating, optical gap 2−20094
Si:H, amorphous Schottky barrier solar cells, prep. by plasma decomp. and sputtering, carrier generation efficiency 2−12861
a-Si:H, photoresponse time and density of localised states in mobility gap 2−25001
Si:H amorphous solar cell, plasma deposited, impurity effects 2−12864
Si:H film, amorphous plasma deposited, RF power and reactant gas press. effect 2−13837
SiC:H, amorphous, plasma deposited coating, photocond. and optical gap, valence electron control 2−24997
TlGaSSe, electrical props., forbidden band width 2.2 eV *(Russian)* 2−5588

energy gap, superconducting *see superconducting energy gap*
energy level transitions, atomic *see atomic spectra*
energy level transitions, molecular *see molecular spectra*
energy levels *see energy states*
energy levels, nuclear *see nuclear energy levels*
energy measurement *see power measurement*

energy resources
see also fuel; geothermal power; hydrogen economy; solar energy concentrators; solar power; wind power
alternate policy and energy source economics 2−3838
alternative energy sources, conf., Miami Beach, FL, USA (Dec. 1980) 2−3986
alternative sources and their development 2−27607
Annual Review of Energy, book 2−23877
approach to energy policy planning and assessment 2−13227
aquifer thermal energy storage system 2−18050
Australia's energy policy 2−22989
California energy futures, alternative societal scenarios 2−7599
Canadian utilities growth to meet demand for electricity produced from native resources 2−17804
CEC programme 2−22979
Colorado oil shale retorting projects, process details and rationale 2−13119
conference, Atlanta USA, 1981 Aug. 2−8153
demand, consumption to 2000, in US 2−23947
demand study report, EC energy modelling for UK 2−7600
development of energy policy in European Community and in Netherlands, surv ey *(Dutch)* 2−27594
development systems, dynamic linear programming models 2−17805
economic, environmental and political aspects 2−3831
economy in energy through alternative sources of energy in mass-housing of developing countries 2−17812
Energy Mangement Principles, textbook 2−23937
energy planning for an industrial community 2−17816
energy planning in New Zealand 2−22985
energy policy and planning in India 2−22991
energy research, development and demonstration in IEA countries, 1980 review of national programmes 2−23881
environmental planning and geothermal resource exploitation in Texas and Louisiana, in USA 2−22993
Evolution of World Energy consumption (1960-1976) and Developing Countries Energy Consumption Forecasts (2000-2020) 2−17810
Finnish agriculture, utilisation of alternative energy source *(Hungarian)* 2−23844
forecasting model of commercial energy demand 2−23941
forest biomass inventory, productivity and availability 2−17803
future US energy technologies: cost and oil import tradeoffs 2−23940

energy resources continued
geopressed resources energy conversion plants system thermodynamics 2−18049
geothermal resources, policy analyses for infant technology 2−12517
global energy resources and their implications for development 2−12335
heavy oil development project, Orinoco Oil Belt, Venezuela 2−7607
impact of alternative technologies of electricity prices in the Western United States 2−3839
imperative of renewable energy sources planning in a new economic and social order 2−17815
industrial energy use and changing efficiency, United States 2−13216
integrating renewable energy sources into small systems, system technical questions 2−17665
International Energy Agency project in Almeria province, Spain 2−18070
Japanese renewable energy potential estimation *(Japanese)* 2−3828
MARKAL, linear programming model for energy systems analysis, BNL version technical features 2−24201
Mexican, energy conservation and its effects on energy costs *(Spanish)* 2−22971
national energy planning in Indonesia 2−22980
national energy plans, 1990-2000, economic and environmental impacts forecasting 2−3832
Nepal hydroelectric programme 2−22990
nuclear, status in the USSR 2−22998
nuclear and solar energies, conditions and justification of new energy sources *(Croatian)* 2−22999
oil based, Korean programme 2−22983
oil shale quality upgrading by washing in dense media *(Rumanian)* 2−12329
opportunities in water power development 2−7766
OTEC programme in the Micronesian islands 2−22986
peat for US energy development program, overview of program goals and accomplishments 2−12337
perspectives on state and federal roles in the development of alternative energy sources 2−13221
Philippines 1981-5 programme 2−22988
policy implications of energy/development relationships 2−17817
primary, energy balance, conversion and use efficiency *(Rumanian)* 2−22975
problem and lack of industrial innovation in N.America 2−12327
rational planning, Pacific region 2−17813
renewable and non-renewable energy sources, Canada 2−17811
renewable energy resources, conf., London, England (Nov. 1981) 2−17826
renewable energy resources integrated into large elec. systems 2−17684
renewable energy sources *(French)* 2−12330
renewable energy sources and storage systems combinations 2−17795
renewable energy transition approach 2−17809
Singapore energy consumption and conservation 2−22984
soft/decentralised technologies based on renewable resources for meeting future energy demand in developing countries 2−17806
solar hydrogen plantations for hydrogen production, feasibility and economics for replacing fossil fuels 2−27836
state energy policy development, Wisconsin experience 2−3833
synthetic crude oil from tar sands, commercial plants 2−7606
technique for the evaluation and comparison of alternative energy technologies under uncertainty 2−17808
technological forecasting, Chinese programme 2−22981
technological forecasting, discovery, invention and innovation cycles 2−7598
technological forecasting, Japanese programme 2−22982
Thailand's national energy plan 2−22987
unconventional sources for TV repeater transmitters power supplies 2−6902
United Kingdom, present state and future prospects 2−3822
US energy future, potential renewable resources and how long they would last 2−22992
USA current and historical development of energy consumption and production patterns, fuels used 2−17623
USSR energy resources current status and future development 2−27609
utilisation/ and conversion/ of coal/ *(Dutch)* 2−22994
waste materials recycling and energy *(Croatian)* 2−23000
water-power in South America *(German)* 2−12522
world energy resources including coal, oil, gas, U, and renewable sources *(Dutch)* 2−22973
world energy supplies in near future and stability possibilities 2−23924
Al production, energy considerations 2−18799

energy states
see also nuclear energy levels; population inversion
No entries

energy storage
see also capacitor storage; direct energy conversion; energy storage devices
290 MW Huntorf air storage system energy transfer plant experience 2−17941
alternative energy sources, conf., Miami Beach, FL, USA (Dec. 1980) 2−3986
aquifer compressed air, digital simulation 2−12519
aquifer field test for compressed air energy storage 2−12520
aquifer thermal energy storage system 2−18050
Battery Energy Storage Test Facility development 2−12778
battery requirements for photovoltaic energy storage 2−12810
CAES load regulation 2−12537
CAES system champagne effect mechanism and control 2−12521
CAES system economics 2−12185
CAES technology 2−12188
central receiver system utilising molten nitrage salts for heat transfer and energy storage, materials requirements 2−3985
charging a water energy store from a flat explosive magneto-generator *(Russian)* 2−12947
communal heating systems, thermal energy storage from energy savings view point *(Dutch)* 2−23089
composite materials for flywheel energy storage system, creep charcts. determ. 2−12956
compressed air storage, for electric utility systems 2−4385
compressed air storage against water power, economic considerations for Netherlands *(Dutch)* 2−27764
compressed air storage using coal-fired fluidised bed combustors 2−3947
conference, Atlanta USA, 1981 Aug. 2−8153

energy storage continued
coupling between a photovoltaic panel and the power grid with battery storage 2−3682
decentralized solar energy and the electric utilities 2−17648
direct coupled CAES evaluation 2−12187
energy conservation through utilization of mechanical energy storage 2−18704
flywheel storage for solar photovoltaic systems, performance characts. 2−23522
flywheels, applications, up to date and traditional 2−4384
formation of current impulses/ with operation of impulse power generator/ in energy storage mode/ 2−4296
fuel cells, regenerative systems state-of-the-art and developments for orbital energy storage applications 2−12840
ground-mounted thermal storage for the parabolic dish solar collector/Stirling engine system 2−18088
high temp. heat production by solar energy use to investigate energy storage in reversible thermochemical cycles, development and testing of experimental facility *(German)* 2−12547
hybrid advanced compressed air energy storage plant 2−12186
in-space inertial energy storage design for photovoltaic energy storage, application in space shuttle programme 2−12952
latent heat storage unit, transient thermal response 2−23657
low maintenance lead-acid batteries for energy storage 2−18437
passive latent heat storage units, log-mean temp. difference correction factors 2−23658
peak shifting potential of thermal energy storage systems for residential applications 2−12184
pulse power technology, techniques and appls. 2−18624
renewable energy sources and storage systems combinations 2−17795
residential space and water heating using off-peak electricity supplied heat pumps 2−23764
solar, molten salt advantages 2−12940
solar thermal energy storage, materials science (book) 2−4586
Soyland Power Cooperative, Illinois, compressed air energy storage facility planning and operation for economic peaking and reserve capacity 2−12951
stand-alone photovoltaic systems, effects of controls and controllable and storage loads on performance 2−23520
superconductive magnetic energy storage for diurnal use by electric utilities 2−23653
synthesis gas for chemicals, production using nuclear process heat 2−18820
thermal, for use with solar conversion 2−23655
thermal, load leveling vs load shifting/ applied to residential air conditioning/ using phase change thermal storage materials/ 2−4480
thermal, pelletisation and solar encapsulation 2−12963
thermal buffer storage performance, effects on parabolic dish solar power systems 2−3990
thermal energy storage materials using latent heat, screening of eutectic mixtures over temp. range 80 to 500°C *(Japanese)* 2−8021
thermocline-type cylindrical enclosure for heat storage in solar power plants, effects of walls on axisymmetric natural convection flows 2−25886
wayside energy storage for recuperation of potential energy from freight trains 2−12957
Al/Nb-Ti composite supercond., strengthened, fabrication, energy storage appl. 2−9903
H_2 storage, biomass, solar energy system for agriculture, drinking water and hydroelectric power 2−18058
H_2SO_4 chemical heat pumps for industry 2−13090
Li-FeS battery system for electric utility storage and load levelling 2−18452
Mg-Ni hydrides effective thermal conductivity measurements under conditions of 200°C and 40 atm. press. 2−26982

energy storage devices
1 kW preprototype redox storage system for 5 kW photovoltaic array, characterisation tests, NASA 2−12953
1 MWh superconductive magnetic energy storage 2−4382
30 MJ superconducting magnetic energy storage for BPA transmission line stabilizer 2−7552
alkaline regenerative fuel cell systems for energy storage, application in low earth orbit space missions 2−12839
assessment of flywheel system benefits in selected vehicle applications 2−12960
composite flywheel balance experience 2−12959
design considerations for small wind energy conversion and storage systems 2−18136
electric vehicle flywheel and accumulator storage system 2−12961
electricity-supply systems, energy storage, flywheel appl. in small-capacity systems *(Japanese)* 2−12206
electrochemical, use of coatings in high temp. battery systems 2−18445
experimental evaluation of a prototype hybrid redox halogen energy storage device for storing solar and geothermal energy 2−12954
flywheel, high energy density, incorporating fibres, design and fabrication 2−12958
flywheel-speed reducer unit for energy storage 2−12962
inductive-capacitive energy store, solid-state peaking discharger using nonlinear elements 2−18622
large low aspect ratio energy storage supercond. solenoids, conceptual design 2−4381
power sytem superconductive magnetic system characts. 2−12573
pulsed secondary-source supply with intermediate inductive store, Cct. 2−4295
railway power systems, energy storage, dumped regenerative power, flywheel appl. *(Japanese)* 2−12994
shielded pulsed superconductive energy storage, first model 2−4383
solar photovoltaic flywheel system, testing and evaluation 2−8293
stationary flywheel energy storage, industrial appls. study *(German)* 2−12950
superconducting devices, conf., Chicago, USA (Nov. 1980) 2−8158
superconducting energy storage magnets, design configurations 2−9956
superconducting magnetic for electric power stabilisation, characts. 2−12572
zeolite heat pump and zeolite heat transformer for load management 2−12955
Pb accumulators for storage of electricity derived from solar energy *(French)* 2−23656
Pb-acid batteries for photovoltaic systems, operational experience 2−23523

engineering
see also biomedical engineering; civil engineering; design engineering; electrical engineering; environmental engineering; maintenance engineering; mechanical engineering; naval engineering; project engineering; systems engineering; value engineering
British development of supply-demand pattern 2−8189
career development and salary progression of industrial engineering graduates: a preliminary study 2−18848
curricula for engineering degree 2−8165
education, putting it to work 2−23913
educational decline and countermeasures 2−18885
French engineering education, simulation of industrial experience 2−13185
online monitoring in developing countries 2−8238
philosophy and social science course development for engineering students 2−13182

engineering applications of computing *see engineering computing*

engineering computing
see also aerospace computing; chemical engineering computing; civil engineering computing; communications computing; control engineering computing; electrical engineering computing; electronic engineering computing; mechanical engineering computing; nuclear engineering computing; virtual machines
acoustic space parameter simulation *(German)* 2−22001
CAD for manufacturing and other industries, pitfalls 2−4633
diesel engine fuel management system, microprocessor-based 2−23155
digitiser with programmable calculator, meas. rect. coords. of points in a plane 2−22222
point illumination calc. using programmable pocket calculator 2−4447
solar energy system CAD *(Dutch)* 2−27819

engineering facilities
see also test facilities
Institute of Electrotechnics Department of Measurements and Electrical control establishment and formation, historical survey *(Polish)* 2−23868
microelectronics processing facilities, survey of Federal Government laboratories and installations in USA 2−8244

engineering societies *see societies*

engines
see also aerospace engines; heat engines; internal combustion engines; ion engines; propulsion
chemical tankers, design and construction 2−23690
diagnostics using noise and vibration meas. 2−11680
technical and economic factors in the possible use of gas-engine driven heat pumps for space heating *(German)* 2−23769

entertainment *see sports and entertainment*

environmental engineering
see also air conditioning; cooling; ergonomics; lighting; safety; space heating; temperature control; ventilation
coal-fired power stations, desulphurisation system state-of-the-art for flue-gas caused environmental pollution prevention *(Japanese)* 2−17928
control system for quadriplegics, low-cost 2−22563
electric power plant environmental noise guide 2−17791
electronic office, implications on electrical services 2−13229
Gelderland 600 MW dual coal/oil-firing power station, technical details and environment protection measures *(German)* 2−27686
hydroelectric power projects environmental effects assessment 2−27783
medium current ion implant systems, manufacturing advantages for remote control 2−5667
PCB industry and environmental protection, technical, legal and economic aspects 2−13257
solar radiation effect on buildings annual heat consumption *(German)* 2−18772
Spacelab cabin atmosphere control *(French)* 2−27224
telephone exchange buildings, planning aspects 2−21691

environmental requirements *see environmental engineering*

environmental testing
see also corrosion testing
94-GHz beam lead balanced mixer, design 2−9044
aircraft test-analyse-fix condition selection for maximum savings 2−7375
aircraft vibration environments simulation, strapdown inertial navigation development 2−17499
ATE appl. in military field environment, using mobile shelter facility 2−22136
automobile electronics, reliability considerations of flip-chip thick-film components 2−24839
carbon-resin printed resistors in damp heat environment, reliability evaluation *(Japanese)* 2−5366
ceramic chip carriers, reflow attachment and reliability testing 2−5797
comparison of field and wind-tunnel Darrieus wind-turbine data 2−18129
connector contact materials, effect of environment on clad Pd, Pd-Ag alloys and Au electrodeposits 2−24772
controlled temperature chamber with a wide temperature range *(Czech)* 2−13269
corona performance of power transmission lines, study in environmental chamber, feasibility 2−22942
cross-connect terminals and connectors, environmental field tests 2−21711
dry-circuit contacts, review of environmental tests 2−5397
dynamic RAMs, 16k and 64k, Hitachi reliability studies 2−9095
electronic components, equipment climatic, mechanical tests *(Spanish)* 2−18980
electronic equipment, standards for tropical protection 2−8254
flight test instrumentation, conf., Geilo, Norway (Oct. 1980) 2−13158
helicopters flight in icing conditions development 2−17460
hybrid ICs accelerated life testing *(Polish)* 2−1069
ICs highly accelerated temperature and humidity stress test technique 2−14937
metal-Si_3N_4-Mo-oxide-semiconductor, electrically alterable ROM, memory retention life at various tests 2−15028
missile critical component test facility 2−22617
NMOS dynamic RAM in plastic packages, reliability evaluation in high humidity and temp. environments 2−25356
optical cable, properties under frozen water in a conduit, degradation prevention method 2−2782
optical fibre strength, military system requirements 2−1717
optoelectronic devices, encapsulated, temp. cycle failure mechanisms 2−15370
PCB, epoxy-glass fibre, conductive anodic filament growth 2−14374
PCB, high moisture environments effect on insulation, filamentary growth 2−14373

environmental testing continued
plastic DIPs, 16- and 40-pin, thermal characteristics 2−25294
plastic encapsulated ICs, reliability tests and internal stresses 2−14941
plastic IC packages, determ. of mech. strains and their effect on devices during environmental tests 2−14939
radioisotope thermoelectric generator convertor, engineering development testing 2−18620
satellite-switched TDMA microwave switch matrix integration and testing 2−2755
simulated, Eglin Air Force Base McKinley Climatic Laboratory capabilities 2−17474
solar modules, wind-simulation tester 2−4352
spacecraft failure analysis, thermal-vacuum test optimisation 2−22618
teetered, tip-controlled 100 kW wind turbine rotor: preliminary test results 2−27843
undersea optical repeater, 1.3 micron, 400 Mbit per sec., sea trial 2−16462
vertical axis cyclogiro type wind turbine with freely hinged blades 2−18133
waveguides based on metallized polyester materials *(Russian)* 2−24646
AgCu 10 contact material corrosion resist. *(German)* 2−9263
Cu thick film microcircuits, environmental effects 2−1063

epitaxial growth
see also liquid phase epitaxial growth; vapour phase epitaxial growth
bipolar transistor, very-low collector resistance 2−5732
complementary dielectric isolation, new process for HV device manufacture 2−1445
double epitaxial diffused diodes for power invertor ccts. 2−14839
laser epitaxy technology, recent advances 2−20990
semiconductor, laser-induced solid phase epitaxial growth, monitoring using time-resolved opt. reflectivity 2−8816
transistors and SCRs, parasitic substrate current reduction using minor modifications in processing 2−5653
$CoSi_2$ films, single crystalline, formation on Si substrate 2−582
GaAs films, epitaxial growth simulation 2−5005
GaAs, ion implantation and low temp. epitaxial regrowth 2−5687
GaAs:As^+, ion implanted layers, solid phase epitaxial regrowth 2−8800
Ge, amorphous, solid-phase epitaxial crystn. on Si (100) 2−8809
Ge_xSi_{100-x} amorphous layers, heterostruct. fabrication by solid phase growth 2−5006
$NiSi_2$ films, single crystalline, formation on Si substrate 2−582
Pd_2Si films, single crystalline, formation on Si substrate 2−582
Si, amorphous, rate of CW laser induced solid phase epitaxial regrowth 2−8805
Si film, implanted, CW laser-induced solid phase epitaxy dynamics, time-resolved reflectivity meas. 2−24307
Si high-Q varactor diodes, fabrication method 2−1332
Si, laser-induced solid-phase crystal growth investigation by time-resolved optical reflectivity 2−590
Si layers, CW laser annealed, EBIC contrast rel. to residual defects, X-ray, TEM, and SEM obs. 2−14752
Si solar cell, low temp. solid-phase epitaxy 2−12848
Si, solid phase epitaxial growth, effect of surface struct. and surface absorbates 2−8823
Si solid-phase epitaxy p-n junction formation, low-temp. technique for efficient solar cells 2−18593
Si:As^{2+}, ion implantation, scanned electron beam annealing 2−1159
Si:H, sputtered coating, H effusion, ion beam nuclear analysis *(French)* 2−589
Si-insulator triple struct. fabrication by O_2 implantation and epitaxial growth 2−19421

epitaxial layers
see also magnetic epitaxial layers; metallic epitaxial layers; semiconductor epitaxial layers
polyacetylene epitaxial layers, optical and elec. anisotropy 2−25042
AlN piezoelectric volume-wave converter 2−1547
BaF_2 film, MBE grown dielectric 2−13826
CaF_2 film, MBE grown dielectric 2−13826
Si-Al_2O_3, charge carrier props. in p-type layers of SOS 2−6087

epitaxy *see epitaxial growth*

EPR *see paramagnetic resonance*

EPROM *see PROM*

E^2PROM *see PROM*

equalisers
see also attenuation equalisers
6.4 to 7.1 GHz band 16 QAM modem design and performance 2−2682
16 QAM system baseband adaptive equalisation with multipath fading 2−2668
560 Mb/s PCM cable transmission, optimum decision feedback receiver 2−6735
adaptive equalisation via fast quantised-state methods 2−10604
adaptive equaliser design for QAM system 2−2253
adaptive IF equaliser for 90 Mb/s 8-phase DPSK radio system 2−2669
adaptive mean-square error transversal equaliser 2−6732
AF spectrum multi-band graphic equaliser 2−26670
automatic line equaliser down to 0 dB loss, approx. mathematical model, digital communications appl. 2−2652
cross-polarized digital microwave transmission, depolarization equalizer based on adaptive linear equalization 2−2689
digital 16-QAM microwave radio, transversal adaptive equalizer to alleviate waveform distortion due to multipath fading 2−2688
digital microwave radio, 90 Mbit/s systems, extended range adaptive equalizer design 2−2675
electric guitar graphic equaliser, using op. amps. 2−21991
fading diversity channels, minimum mean square error equalisation of interference 2−6750
fast algorithm linear equalizer, theory and implementation 2−2238
group-delay equaliser, active Darlington allpass filter *(German)* 2−19809
magnetic recording, equalization with arbitrary input-arbitrary output LC filters 2−20504
microwave circuit (4,4)-port directional couplers *(Japanese)* 2−9214
microwave FM links, baseband equalizer for intermodulation noise reduction 2−16350
minimum noise pulse slimming equaliser to reduce intersymbol interference in mag. recording 2−25430
ocean block equaliser design for overload protection 140 MHz submarine cable system *(Japanese)* 2−21719
PCM regenerator design for crosstalk-limited environments, equalizer optimisation 2−2651

equalisers continued
tapped delay line equaliser filters, fast start-up autocorrelation algorithm 2−6640
transversal, with predictive error filtering, error rate self-determination in data receivers 2−2580
TV transposer system, automatic waveform equalizing equipment for ghost cancellation and distortion compensation 2−6925
wideband coaxial switches for ocean block equaliser in 140 MHz submarine cable system *(Japanese)* 2−21723

equations
for equations used in specific subjects, see the specific indexing heading
see also differential equations; equations of state; functional equations; integral equations; nonlinear equations
cubic equation roots, using iterative algorithm for HP-25 calculator *(Czech)* 2−169
microwave oscillator frequency, stabilisation by subharmonic driving frequency, injection locking amplitude and phase equations appl. *(Croatian)* 2−24431
power system, transient stability, equation of motion appl. 2−3674
welding arcs, equations for pressure and force deter. 2−23800

equations of state
interaction second virial coeff. meas. using quartz spiral gauge 2−26987

equilibrium, chemical *see chemical equilibrium*

equilibrium constants *see chemical equilibrium*

equilibrium diagrams *see phase diagrams*

equivalence classes
see also automata theory
fuzzy sets, equivalence relation 2−24180

equivalent circuits
see also network analysis; network parameters; network synthesis
1 HP ferrite hysteresis motor with 1-phase and 2-phase excitation, performance evaluation 2−18286
3-phase power networks sequentially developed electrical faults digital simulation 2−27400
active networks, generation of equiv. networks with minimised sensitivities 2−825
AGC, general theory, loop gain, loop parameters rel. to output level stability, equiv. cct. 2−9006
analogue commutators using FETs, static error analysis 2−14254
antennas, broadband equivalent circuits for energy collecting structs., positive-real function aspects of equiv. admittance for SEM method 2−2183
bipolar transistors at different bias conditions, equiv. cct. modelling 2−1361
broadband communication antenna equivalents, synthesis using computer-aided optimization methods 2−10564
broadband transmission-line transformer with vector impedances, equiv. representation 2−5387
complex power systems, operational condition parameters calculated using equiv. ccts. *(Slovenian)* 2−27355
composite rotor induction motor, charact. and torque coeff. *(Japanese)* 2−4134
desynchronised synchronous machine, two-machine set, contactless, differential equations of generalised mathematical model 2−27897
diectional couplers, analysis 2−19853
dipole antennas, broadband equivalent circuits, positive-real function props. of cct. admittances 2−2184
drift-dominated unipolar cond., small-signal impedance and stability 2−5060
dynamic models for the transient analysis of induction machines with asymmetrical winding connections 2−23294
dynatron oscillator, negative resistance oscillatory cct. anal. 2−756
EHV power switch testing problems *(Polish)* 2−18386
electric arc furnaces, calc. of main elec. parameters 2−18768
electrolytic capacitor used through-etched Al foil 2−9251
EM screens, synthesis of lumped parameter equiv. ccts. 2−2168
equivalent circuit model performance with PWM invertor waveforms 2−18246
equivalent noise circuits, noise parameters *(Russian)* 2−19576
equivalent transformations of linear multipole networks in power systems *(Russian)* 2−12209
experimental study of transient ground impedances 2−12287
feedback amplifiers, noise factors anal. 2−9001
ferrites polycrystalline, dielec. relax., equivalent circuit 2−5573
FET operation close to cutoff, anal. of nonlinear props. 2−9666
fin lines, equivalent reactance of shorting septum 2−9205
HF bipolar transistors, collector-emitter capacity *(Rumanian)* 2−1351
immittance convertors, nullor models synthesis *(Czech)* 2−5332
immittance invertors, nullor models synthesis *(Czech)* 2−5332
induction motor, EM transient anal., math. models *(Russian)* 2−4124
induction motor cage breakdown study using partial equivalent network method *(Italian)* 2−18220
induction motors, polyphase and single-phase, calc. using finite element anal. 2−18251
induction motors operating with variable frequency power supplies, exact frequency-voltage regulation relati- onship 2−7848
industrial power supply, interruption-free *(Russian)* 2−27985
inhomogeneous isotropic insulation, mathematical models of absorption processes *(Russian)* 2−15060
injection-locked oscillators, phase-lock stability using time-domain approach 2−9224
input amplifiers for sensors, noise charact. *(German)* 2−5130
Jerusalem cross, comparison of modal anal. and equiv. cct. representation of E-plane arm 2−26061
Josephson junction noise thermometer, impedance modelling 2−9940
Josephson three-junction interferometer as nonlinear logic gate 2−5160
laminated nonferromagnetic media, equiv. electric parameters *(Russian)* 2−15597
leakage transformer, properties during arc welding *(Czech)* 2−18293
locator thyratron circuits, transient phenomena 2−1133
loop antennas, broadband equivalent circuits, positive-real function props. of cct. admittances 2−2184
lossless n-port, hybrid matrix *(German)* 2−24350
loudspeaker driver small-signal parameter meas., equiv. cct. anal. 2−16732
lumped linear passive RLC networks; exact equivalent ccts. 2−5070
Marx generator, 720 keV coaxial, rectangular-like output waveforms study 2−22458
Maxwell's field equations in one and two dimensions, network analogues 2−25897
MESFET amplifiers, intermodulation distortion 2−24405

equivalent circuits continued
microstrip discontinuities, equiv. ccts. for MIC design *(Polish)* 2−2174
microwave coaxial multimode diode limiter, cut-off freq. 2−24655
microwave oscillator frequency, stabilisation by subharmonic driving frequency, harmonic equivalent circuit appl. *(Croatian)* 2−24431
MOM diode, heterodyne anal. 2−9519
MOS capacitor, physical characterisation of deep bulk levels by MOS conductance technique 2−25088
non-uniform plane wave propagation in lossy media, equivalent 4-port *(French)* 2−21069
nonuniform transmission line based on extended Kuroda's identity, equiv. representation 2−26014
optical fibre propagation mode evaluation using equiv. ccts. in Fourier space 2−25535
parameters of equivalent loops in equivalent circuits for the rotor of a generalized turbogenerator 2−18171
power semiconductor devices, temp. rise calc. methods *(Czech)* 2−14814
power system networks and operating conditions *(Russian)* 2−22805
power system networks Z-matrix of generalised parameters, method for decomp. and correction *(Russian)* 2−22807
power transformer design using equivalent π-circuit *(Spanish)* 2−27982
power transformers, impulse voltage tests *(German)* 2−18294
quartz crystal resonator, AT-cut, temperature variation of equivalent circuit parameters obs. 2−5874
quartz crystals, general introduction and equiv. cct. *(French)* 2−25401
reluctance machines, convertor-fed, direct simulation using magnetic equivalent circuits 2−12630
RF SQUIDs, dynamic and fluctuational parameters 2−1624
semiconductor device, charge carrier transfer determ. *(Russian)* 2−9601
semiconductor lasers, nonlinear circuit model 2−10296
solar cells, HV multijunction concentrator, fabrication by IC technology 2−18578
starter battery discharge dynamics, equivalent cct. parameters determ., expt. and calc. 2−7982
static single-phase to three-phase convertors, steady-state anal. 2−18366
switched capacitor networks, frequency-domain analysis, using analogue two-port equiv. ccts. 2−19525
switched-capacitor networks, computer aided analysis program, SCANAL 2−13930
switched-capacitor networks, equivalent circuit analysis 2−19522
switched-capacitor networks, frequency-domain anal. using continuous-time two-port equivalents 2−5076
switching DC-DC convertors modelling, current injected equivalent circuit approach 2−23365
synchronous generator multiple thyristor convertor loads transient behaviour anal. 2−7818
synchronous generators, salient pole, asynchronous operation analysis 2−12612
synchronous generators, superconducting, transient characts. determ. 2−27895
synchronous motors, high speed, torsional coordination 2−18185
Thevenin equivalent impedance and circuit diagnosis 2−24353
three winding transformer, equiv. cct. for high voltage network anal. *(German)* 2−18295
thyristor convertors, equivalent circuits, computer analysis *(Russian)* 2−18318
thyristor operation in terms of equivalent circuits *(French)* 2−5743
thyristor-type regenerative circuit with positive feedback, switching speed determ. 2−24625
transfer field machine, equivalent cct. for asynchronous mode of operation 2−4120
transformer heating due to single phase current, math. model *(Russian)* 2−4263
transmission lines in electromagnetic environment 2−21166
triacs, construction, equivalent circuits and application *(French)* 2−5742
trilaminar flexural disc transducer, electromechanical circuit, experimental determ. *(French)* 2−15091
unilateral finlines, equiv. cct. parameters of inductive strip discontinuity 2−19833
voltage and current source invertor fed induction motors, comparative study of losses 2−18256
voltage drop calculations for electrically short insulated conductors 2−17690
voltage source invertor/synchronous machine drive systems, steady-state perform. 2−18664
CdS based photosensitive sandwich structs., series equivalent circuit parameters *(Russian)* 2−15385
CdSe based photosensitive sandwich structs., series equivalent circuit parameters *(Russian)* 2−15385
CdSe thin film anodes, photoelectrochem. characts. 2−5648
GaAs solar cells with distributed parameters, I-V characts. effect of ohmic losses 2−12873
Si solar cells operating under medium solar concentration, structure optimisation 2−4370
SiO_2-Si:B, ion implanted layers, equivalent circuit 2−25087

erection
Armenian Nuclear Power Station in USSR, seismic stability 2−17855
French nuclear power programme based on 900 and 1300 MWe PWR standardised units, benefits 2−12350
LMFBR power plant experience, published Phenix data summary 2−23058
nuclear power stations, regulations controlling construction and operation in France *(French)* 2−7632
power stations, management for adequate QC maintenance *(German)* 2−27601
power system main control stations using process computers *(German)* 2−17667
power transformers, erection, commissioning and maintenance 2−27967
satellite solar power stations, control and erection, need for high accuracy 2−17462
satellite solar power stations, environmental factors associated with construction and operation 2−18093
vacuum interrupters, construction feasibility study 2−23397

ergonomics
see also human factors; man machine systems
cycle-ergometer, computer-controlled, for generating dynamic work rate stimulus 2−3454
EHV/MV plant at Matla and Duvha power stations, meas. and control design concepts 2−3938
ergonomics continued
nuclear power engineers, education and training, at Czechoslovak technical universities *(Slovak)* 2−13174
West German Teletex service features and organisational effects 2−21473

error analysis
see also error correction; error detection
A/D convertor noise induced errors in convertors, formulae *(German)* 2−19736
adaptive feed control in completely overlapped subarray antennas 2−6377
analogue commutators using FETs, static error analysis 2−14254
Bayesian evaluation of inspectors in sensory tests 2−8282
Berry-Esseen bounds for error variance estimates in linear models 2−8670
binary FSK Communication systems subjected to impulsive noise, error rate prediction 2−15806
binary FSK communication systems subjected to impulsive noise, error rate prediction using 2nd order technique 2−15807
bounds on the average error probability for a code ensemble with fixed composition 2−21297
C-space dynamic error theory 2−26702
complex figure length meas., theoretical and experimental anal. *(Japanese)* 2−13395
continuous phase chirp signals for binary data communication, coherent detection 2−2549
continuous phase chirp signals for binary data communication, noncoherent detection 2−2550
CPSK system error rate computation 2−10619
differential eqn. system, soln. method with automatic selection of integration order and step length *(Russian)* 2−493
digital filter, for realizing algorithm for Fourier transformation, errors in quantizing filter coeffs. 2−10694
digital telemetering channel 2−2484
digital-frequency integration, error computation *(Russian)* 2−5169
discrete convolutions, roundoff errors in fast computation 2−19390
elliptic boundary-value dimensional reduction method 2−13775
elliptic boundary-value problems finite element method with corner domain convergence 2−516
error in evaluating Rice's integral 2−438
exterior Helmholtz problem FEM 2−24267
FFT coefficient errors, results of deterministic analysis 2−4976
floating point multiplication, models of error 2−8658
Fourier transform representation of signals, experimental investigation of errors 2−10614
gradual underflow in computer arithmetic 2−8657
internal discretization in Sobolev space W_{op}^{1} 2−19302
inverse Laplace transforms parallel stabilisation and error bounds 2−8791
microcomputer rounding errors propagation calculation *(Italian)* 2−19272
MMS43 block codes on digital line systems, occurrence probability of multiple bit errors *(German)* 2−6401
noise analysis of soft errors in combinatorial ccts. via Walsh transforms 2−14063
nonlinear multigrid method, error anal. 2−4970
normal approximation error estimation *(Russian)* 2−4806
ODE solvers error control with local extrapolation 2−456
on arc and biarc curve approximation *(Chinese)* 2−13678
one step algorithms, numerical errors 2−24252
oscillatory and singular integrands computation 2−540
perturbation theory for evaluation algorithms of arithmetic expressions 2−13662
processing communication satellites with MFSK modulation, impact of time and freq. errors 2−11068
pulse signals, position in time meas. in limited passband channels, error anal. *(Russian)* 2−26124
short-time Fourier transform digital signal synthesis 2−26134
signaling and decision scheme with application to multiple-access communication 2−6684
stochastic programming confidence intervals anal. 2−13632
telemetering error in multi-level despatcher control systems *(Russian)* 2−12316
transient acceleration signals, errors in computing velocity and displacement 2−3279
transient critical heat flux following nuclear reactor design basis accident, study results summary 2−7682
two-point boundary value problems, error estimates for collocation method 2−24258
vibration measurement devices, anal. of errors *(Russian)* 2−22247
voltage mean value convertors, dynamic error analysis *(Polish)* 2−7177
Winograd short-length discrete Fourier transform algorithms, fixed point error analysis, effect of correlation between truncation errors 2−19392

error compensation
see also error correction
strapdown sensor parameter estimation for inertial system error compensation 2−7387
unloaded signal meas. convertors and compensation methods *(German)* 2−17122

error correction
1-step majority-logic decoding with two rounds of estimation, error correction capabilities 2−2292
ALGEBRA−an interactive system for finite field arithmetic 2−21273
digital audio recorders, algorithms for accomplishing 2−3016
digital communication, burst error generator for simulation tests 2−11499
digital instruments, using additive-multiplicative iterative algorithm 2−16755
digital satellite network error control 2−26266
digital signal repeating using digital feedback *(Czech)* 2−16316
digital tape recorder, high density, clock recovery system 2−25428
DP8400, memory system support chip family, including error checking and correcting 2−19657
DP8400 detector/corrector IC, characts. *(French)* 2−9175
fault tolerant memories for single particle radiation effects 2−14107
forward error correcting codec/interleaver for a digital troposcatter system 2−6820
forward error correction for automatic repeat-request scheme 2−10995
geophysical prospecting, method of reducing terrain relief effects from VLF-EM data 2−22716
high bit rate data transmission systems, selective-repeat ARQ schemes with finite receiver buffer, anal. 2−2529
high-speed satellite channels, error control, ARQ selective-repeat strategy 2−2772
instrumentation recorders, error correction for high density digital recorders 2−11531

error correction continued
Intel 8206 error detection and correction unit for use with memory systems 2−14098
iterative algorithms for errors correction, for digital meas. instruments 2−16759
local control systems data buses, communications protocols principles, failure rates and error correction systems *(German)* 2−21550
longitudinal parity generation for single-bit error correction 2−26089
low-pass filter design interpolation 2−24582
micrometer screws, digital error correction *(Polish)* 2−7210
multiple formated data strings, utilisation of cyclic redundancy check for error correction 2−6402
packet error control method using majority-decision logic 2−10740
PAM, pre- and post-filtering of deviational noise *(Russian)* 2−2243
remote sensing, statistical scale-up estimators for surveys where detect. and classification errors exist 2−12064
roll-mode error correction 2−2262
runlength-coded facsimile pictures, line synchronisation for disturbed data transmission *(German)* 2−10811
temperature transducer linearity improvement *(Russian)* 2−3128
thermoelectric microwave watt-meter, component errors, method of multiplicative correction *(Russian)* 2−26889
thermometer probes, dynamic characteristic correction *(Polish)* 2−11451
three-level double integration adaptive delta modulator, construction method 2−21299
transform image coding, channel error recovery 2−15937
transient analogue transducer, algorithm 2−26843

error correction codes
automatic repeat request scheme for pre-emptive retransmission over noise channels 2−15843
broadcast channel, bounds on vol. of error correcting codes 2−15844
burst-error-correcting array codes 2−2281
CODEC−a program system for the interactive development of error-correcting coders/decoders 2−21274
coded 8PSK signaling performance for satellite communications, computer simulation 2−2288
COM8004 CRC generator/checker for use with synchronous data link controller protocols 2−9123
data compression algorithm using error-trapping decoding concept, average distortion per bit 2−2363
decimal sequences, appls., lower bound on Hamming distance, error control coding 2−2291
decimal sequences of rational numbers 2−15838
digital communications appl., book 2−10644
digital land mobile radio channel, burst error characts. 2−10994
duality for the group-coset probability ratio 2−21286
error-trapping decoding, (n,k,t)-covering system 2−15837
finite Abelian group, error correcting code subgroups of arbitrary error subsets *(French)* 2−6409
forward error correcting codec/interleaver for a digital troposcatter system 2−6820
generalized tensor product codes, decoding procedure, simplification 2−10643
HF SITOR, US Navy and US Merchant ship communications interoperability 2−10998
low complexity codes, recursive approach 2−15829
main memory errors, byte error checking, correction codes *(Japanese)* 2−16161
memory ICs, error correction code for single random 1-bit errors or multi-byte errors 2−5235
Meteor radio channel, error-detection and correction capability of codes is residual class system *(Russian)* 2−26413
multilevel error-correcting codes, systematic procedure for construction 2−26087
number theory appl. in physics, communication engineering and artistic designs 2−19065
on a burst-error correcting code, parity-check digit bounds 2−6398
PCM telemetry, random errors *(Czech)* 2−15849
spectral enumerators for certain additive-error-correcting codes over integer alphabets 2−2260
techniques for commercial satellite channels 2−2752

error detection
see also error analysis
communication errors management in interactive flow 2−2261
control loops, program development and error detection *(German)* 2−4394
data link control units, add-on, asynchronous terminals for minicomputer-based data communications appl. 2−2584
data receiver with transversal equaliser, error rate self-determination 2−2580
DP8400, memory system support chip family, including error checking and correcting 2−19657
DP8400 detector/corrector IC, characts. *(French)* 2−9175
fault tolerant memories for single particle radiation effects 2−14107
HDLC bit-serial protocol for process data transmission *(German)* 2−10878
Intel 8206 error detection and correction unit for use with memory systems 2−14098
local control systems data buses, communications protocols principles, failure rates and error correction systems *(German)* 2−21550
logic circuit SEC-MUED code 2−2283
longitudinal parity generation for single-bit error correction 2−26089
runlength-coded facsimile pictures, line synchronisation for disturbed data transmission *(German)* 2−10811
self-synchronizing pseudo-random bit error detector 2−10648
signal-pulse-noise detection error evaluation in envelope detector with logarithmic compression 2−15840

error detection codes
binary linear coset code for synchronization error detect. 2−10631
COM8004 CRC generator/checker for use with synchronous data link controller protocols 2−9123
cyclic redundancy codes for error correction in data transfer systems 2−6399
linear binary block codes used for error detect., determ. of probability of undetected error 2−2289
Meteor radio channel, error-detection and correction capability of codes is residual class system *(Russian)* 2−26413
programmable logic arrays, completely self checking checkers 2−19651

error recovery (computers) *see system failure and recovery*

error statistics
asymptotic behaviour of the likelihood ratio test under presence of deviations of the model 2−13479
bit error probability of communication systems with binary-orthogonal modulation in the presence of pulsed noise *(German)* 2−15799
coherent detection of frequency-hopped QPSK and QASK systems with tone and noise jamming, bit error probability 2−10646
coherent light detection, after nonlinear amplification 2−6468
complex figure length meas., theoretical and experimental anal. *(Japanese)* 2−13395
continuous-phase FSK performance in nonlinear satellite channels 2−6807
CPSK signals fading, in Gaussian and impulsive atmospheric noise environment 2−6429
digital communication equipment bit error rate determ., using extrapolation technique 2−6428
digital communication systems, signal detection problems, error probability calcs. using Fourier-Bessel series 2−2331
high-speed voiceband data modem error rate performance 2−2558
intersymbol interference for 16 QAM system with various degradation factors, series expansion method *(Japanese)* 2−19597
linear binary block codes used for error detect., determ. of probability of undetected error 2−2289
multilevel digital signals in nonlinear channels, error probability anal. 2−21261
o/p moments used to predict performance of nonlinear systems with Gaussian l/ps 2−6385
PCM metering system for error rate meas. *(German)* 2−10640
quantum signal detection by mismatched receiver 2−2321
Rician fading channels, convolutional code performance bounds 2−2286
robust test, bounds of asymptotic rate of convergence of error probabilities 2−437
satellite repeater system coded and uncoded performance, cumulative hardware distortion effects 2−2758
spread spectrum multiple-access communication systems, bit error probability 2−26071
staggered quadrature overlapped raised-cosine modulation performance over nonlinear satellite channels 2−2751
wideband satellite communications, open-loop ns synchronisation 2−11048

errors
see also coding errors; measurement errors
A/D and D/A converters, 12- to 18-bit, NBS calibration service, design, measurement and operation 2−19743
analogue-to-digital convertor, direct and indirect, high frequency, requirements and test methods *(German)* 2−905
CPM signals, symbol error probability bounds for Viterbi detection 2−15890
digital FM, narrow-band, error rate theory, time domain approach 2−15805
inductive voltage and current dividers, design anal. and appls. *(Russian)* 2−884
information processing system, error indication for deaf operators 2−7160
ionospheric residual errors in spatial dual-freq. radio location 2−6321
nonlinear analog function circuit errors, automatic measurement using data acquisition systems *(Slovak)* 2−8954
reducing inspection errors, procedure 2−4669
RMS-to-DC convertors, AC ripple and DC error calc. 2−14270
seismic prospecting, error estimates for inverse modelling schemes u sing travel times meas. 2−17543
single power line outages, topological error determ. 2−12214
state estimation, weighting coefficients selection *(Russian)* 2−27444
suppression, digital audio systems appl. *(German)* 2−6958
watthour meter, digital, circuit diagram and operation *(German)* 2−26871

Esaki diodes *see tunnel diodes*

Esaki effect *see tunnelling*

ESCA *see electron spectroscopy; spectrochemical analysis; X-ray photoelectron spectra*

ESR *see paramagnetic resonance*

estimation theory
see also information theory
adaptive Doppler processor implementation by spectral estimation 2−2359
adaptive signal detection in fluctuating noise, general detection and estimation theory 2−26138
alternative estimator in inverse linear regression 2−19133
Bayes estimators of mean life, preposterior anal. 2−8472
binomial distrib., shrinkage estimators 2−234
characteristic polynomials of the information matrices of balanced fractional 3^m factorial designs of resolution V 2−4815
clinical trials, exponential, two-armed, sequential estimation 2−8473
common location estimation 2−4783
communciation network availability predictions based on meas. data 2−10752
confidence interval estimation using the folded logarithmic transformation/ 2−233
continuous-time analogue signal reconstruction from sign of noisy samples, use of nonlinear estimates 2−10687
correctness of the problem of statistical point estimation 2−24121
covariance operators, minimax property of optimal equivariant estimates 2−285
distributed parameter systems, boundary control and boundary observation *(Chinese)* 2−13368
double quadratic distrib. location, best linear unbiased estimators based on order statistics 2−19130
empirical Bayes estimation of a distribution function with a gamma process prior 2−253
estimating $|\alpha - p/q|$ 2−8618
familial data anal., linear-model approach 2−8480
fragmentary samples, location difference estimation 2−4768
functionals of probability density, estimation 2−492
gamma distrib. parameter estimation, maximal invariant appl. 2−238
Gauss Markov model robustness covariance matrix 2−8501
Jack-knifing the ratio and the product estimators in double sampling 2−19135
linear models, comparison of mixed and minimax estimators 2−4887
linear models with partially known covariances comparison w.r.t. unbiased estimation 2−13497
linear regression models, equivalence problem, blue of mean value 2−4753
linear regression models, equivalence problem, covariance matrix scalar factor, unbiased estimation 2−4754

estimation theory continued
linear transform for spectral estimation 2−6432
mean estimation of selected population with unknown variance 2−8493
measurement problems solving by mathematical methods utilisation *(Slovak)* 2−11308
median survival time estimation 2−13442
mixed linear models, unbiasedness of two-stage estimation and prediction procedures 2−241
monochrome pictures, adaptive transform coding using discrete cosine transform, energy distrib. logarithmic model 2−10719
Monte Carlo simulation/ of the renewal function/ 2−224
moving average model, first-order, small-sample properties of maximum likelihood estimator 2−13451
noniterative estimators, general, of common relative risk, asymptotic efficiency 2−4773
on asymptotic minimax estimates of the second order 2−4820
on the homoscedastic estimation of heteroscedastic variances 2−277
optical beam, sequential estimation of position 2−7213
optical PPM pulse sequence, statistical estimation of time of arrival 2−16480
optimal synchronizer synthesis for additivity disturbed flow *(German)* 2−21264
outliers number, estimation procedures 2−235
quantile estimation of exponential and double exponential distribution 2−8497
range estimators resolution performance 2−6847
rectangular distributions, taxi problem 2−19136
ridge regression from principal component point of view 2−8500
robust estimators of location variances estimation, influence curve, jackknife, bootstrap 2−260
sample variance, optimality 2−243
signal frequency-wavenumber estimation, two-dimens. linear prediction technique 2−15910
simple least squares estimation versus best linear unbiased prediction 2−4811
two-armed bandit problem, odds ratio estimation 2−13448
two-associate class PBIB designs, connectedness criteria 2−4816
unbiased product estimators 2−8561
uniform convergence of estimates of multivariate probability density 2−19138
variance estimation, nonnegative, linear models and convex geometry 2−282
variance estimation of normal population 2−8494
Weibull location estimation 2−19131
Wiener filtering, extension of two dimensions 2−21257
Wilcoxon-Mann-Whitney statistics, progressively truncated versions, estimation of P{X>Y}3 2−231

etalons *see interferometers*

etchants *see etching*

etching
see also crystal defects; dislocation etching; sputter etching
64K RAM, plasma etching device 2−5781
anisotropic, complementary dielectric isolation, new process for HV device manufacture 2−1445
CR 39 polymer track detectors, neutron dosimetry, sensitivity rel. to etching process 2−3415
CR-39 plastic track detectors, response rel. to etching soln. 2−17281
cross-linked polyethylene cable insulation, morphology 2−9796
CVD, microelectronics processing appls. 2−13845
dry, VLSI MOS 1 micron processing, 256 kbit MOS RAM appl. *(Japanese)* 2−25348
dry etching, 256 kbit MOS RAM design appl. *(Japanese)* 2−24509
electrochromic display, electrode matrix form. using metal displacement reaction 2−11545
FET process, defined edge profiles production in p^+ polysilicon 2−1454
high density PCB prod., influence of phys., chem., hydraulic etching process parameters 2−19958
high-density PWB production, etching parameters, effect on process 2−14470
IC, liquid cooled, packaging improvement 2−24000
IC device, bond pad opening etching, method for complete exposure determ. 2−20349
IC process modelling with simulation program SAMPLE 2−9720
IC processing techniques 2−14901
IC technology, photoetch process, metallized ceramic substrate, chrome artwork mask 2−20285
instrument for selective modification of planar circuits 2−1406
ion implantation in semiconductor processing 2−1286
lightly doped drain FET devices, fabrication using preferential etching 2−5816
LSI, conformal dry-etch for microlithographic SiO_2 pattern transfer, submicron struct. appl. 2−20332
LSI, submicron lines in Al metallisation, Plasma Inline 702 wafer reactor, automatic system 2−20350
methyl methacrylate, vacuum lithography using plasma polymerization and plasma development 2−14749
microlens formation on vapour phase axial deposition single-mode fibre ends 2−25492
MIL-M-38510 finishes for microelectronic components 2−24790
MOS device fabrication using X-ray lithography 2−20402
MOS LSI technology, 256K RAM development *(Japanese)* 2−25346
MOS structure, charge properties, influence of Si etching in RF Ar plasma *(Russian)* 2−1245
multilayer PCB desmear and etchback using dry gas plasma methods, automated operation 2−9320
muscovite mica solid-state track detectors, etch-pits, electron microscopy 2−11847
Myler thin film, surface flashover arc orientation 2−20438
particle beam technology, conf., Dallas, TX, USA (May 1981) 2−18851
PCB, direct etch dry transfer system 2−19982
PCB etching, electrolytic regeneration of etching solns. 2−14449
PCB etching productivity increase, mech. and chem. factors 2−24811
PCB etching techniques for high density boards−processing parameters for etch-back and chemical cleaning of multilayer boards 2−14442
PCB etching using alkali and acidic etchants, waste rinse water management and recycling 2−14484
PCB etching/electrometallization processes, water and waste water treatment, ion exchangers and reverse osmosis 2−14485
PCB fabrication, for LSI circuits, using electroforming techniques and chemical etching 2−9303
etching continued
PCB gas plasma desmearing and etch-back techniques for multilayer boards 2−14443
PCB manufacture, vertical continuous processing for photoresist removal and Cu etching, chemical methods 2−5449
PCB precision etching using edge protection effect, benzotriazole agents 2−9317
PCBs, electrochemical etching, ELO-CHEM process development 2−14452
PCBs, Sn immersion coating, etch resist and protective layer appls. 2−14431
plasma etching, end-point detection, opt. methods 2−9581
plasma etching, end-point detection with laser interferometry 2−14791
plasma etching for semiconductor masking 2−25323
plastic nuclear track detector electrochemical etching, HV amplifiers 2−27091
polyimide coatings of IC appls. 2−9545
polyimide used in dual metal layer process, via openings, IC appls. 2−9544
polymer thick layers, O plasma etching for microelectronic appl. 2−5660
quartz, ion beam etching techniques to overcome nonuniformity 2−20286
resists, etching by UV light 2−9576
selective plating and etching using resistive heating for metal lines on chips 2−1302
semiconductor, surface overlayers detection and minimisation using spectroscopic ellipsometry 2−11646
semiconductor bulk sample shaping by photolithography and chem. etching 2−20169
semiconductor technology, all dry mask making process by gas plasma 2−14746
solid state nuclear track detectors, charged particle detection thresholds through range meas. in air 2−22500
spu-chem etching technique for submicron patterns delineation 2−9584
V-MOS transistors thin gates fabrication in V-groove *(Slovak)* 2−25220
VLSI production, planar plasma etching of Al alloys in CCl_4 2−14920
VLSI technology, ion-assisted plasma etching of SiO_x in multifacet system 2−20351
VLSI technology, recessed oxide isolation processing, dry-wet etch hybrid technique for trench formation 2−1407
AGaAs-GaAs heterojunction, selective dry etching 2−14787
CdSe/S_x^{2-} photoelectrochemical cells, surface etching and morphology effect on stability 2−18409
$Ga_{1-x}Al_xAs$ electron-beam-pumped laser, oxide film influence on threshold current density 2−20943
GaAs (100) planes, grating corrugation form *(Chinese)* 2−10101
GaAs FET, plasma etched via connections 2−1388
GaAs film, chemical thinning by etching 2−9587
GaAs, ion-beam-assisted dry etching, elec. characts. 2−25158
GaAs multilayer struct., carrier conc. and mobility, rapid determ. method 2−5568
GaAs, plasma etching of micron size features using freons and other electronegative gases, discharge effects 2−9585
GaAs, shallow diffusion of Zn for optical waveguide modulators 2−25534
GaAs single-mode DH lasers using three-mirror active-passive cavity, longit.-mode control 2−10304
GaAs-AlGaAs DH system, monolithic integration of optical sources and detectors, processing techniques 2−6035
$Ga_xIn_{1-x}As_yP_{1-y}$/InP stripe lasers with chemically etched-mirrors, review 2−25785
GaN film, RF reactively sputtered, dielec. props. 2−9757
GaSb, undoped single crystals, obs. of growth striations 2−19400
Ge, chemical etching and cleaning procedures 2−1300
Ge, chemical etching and cleaning procedures 2−5691
III-V semiconductors, chemical etching and cleaning procedures 2−1300
III-V semiconductors, chemical etching and cleaning procedures 2−5691
InGaAsP-InP buried DH lasers with chemically etched mirrors 2−10292
InGaAsP-InP DH laser, degradation obs. by electron probe microanal. 2−25769
InP, plasma etching of micron size features using freons and other electronegative gases, discharge effects 2−9585
$K_2Cr_2O_7$-H_2SO_4-HCl, new etchant system for GaAs and InP 2−5699
KH_2PO_4, KD_2PO_4, electro-optic crystals, defect polished surface layer, etching of damaged layer 2−1679
$LiNbO_3$, c-plate orientation, diffused optical waveguides on +c and −c faces, integrated optics appls., chemical etching 2−10058
NaCl crystal etching at 2 nm size scale, in situ meas. of contrast curves for electron beam vaporisable resists 2−20310
Na_2O-CaO-SiO_2 glass nuclear track detectors, pre-irradiation annealing effect on bulk etch rate 2−17282
Nb electron beam evaporated conducting thin films, current-induced physical props. 2−8829
Nb weak-link Josephson single-flux-quantum logic circuits 2−9910
PbTe, LPE growth on PbSnTe substrate through stripe openings on CaF_2 coating 2−574
PdO etching process, without damage to semiconductor structures 2−5694
Si, chemical etching and cleaning procedures 2−1300
Si, chemical etching and cleaning procedures 2−5691
Si chips, cell for chem. etching 2−14780
Si, dislocation free in surface barrier detectors, cluster nonuniform distrib. effects *(Russian)* 2−14622
Si film, chemical thinning by etching 2−9587
Si, plasma etching of micron size features using freons and other electronegative gases, discharge effects 2−9585
Si, semiconductor device processing, book contrib. 2−1277
Si shadow masks with anisotropically etched-through slots, fine-feature thin-film deposition appls. 2−14782
Si solar cell 2−23497
Si surfaces, selective etching 2−9573
Si wafer rim, chemical etching procedure for elimination of slip lines 2−1304
Si:P, doping using P_2O_5-SiO_2 glass as dopant source, validity of etch rate determ. 2−9556
Si:P, polycrystalline, plasma etching, P doping effect, electron microscopy study 2−5698
Si-WSi_2 polycide, 1 μm, in MOSFET technology 2−9736
Si_3N_4 and cured polyimide stripping for failure anal. using plasma etch process 2−20287
SiO_2, plasma-deposited, charact. 2−5011
Si(110) anisotropic etching and shadowing techniques for fabrication of X-ray masks 2−25298

Ettingshausen effect *see thermomagnetic effects*
evaporated layer production *see vapour deposition*
Evershed effect *see sunspots*
EXAFS
laboratory EXAFS spectrometer for catalyst studies 2−27103
excavators
coal mine, improvements in the mechanical excavation of coal from steeply inclined strata *(Russian)* 2−23852
exchanges (telephone) *see telephone exchanges*
excimer lasers
computerised optical diagnostic system for UV and visible supersonic flow pulsed lasers 2−10326
inert gas halide, electric discharge laser with plasma electrodes 2−1884
inert gas halide excimer lasers, stimulated Raman emission generation in gases 2−10366
inert gas halide fusion amplifiers, bidirectional amplification with nonsaturable absorption and amplified spontaneous emission 2−1847
inert gas halide laser media, axisymmetric angular encoder for laser fusion 2−6244
inert gas halide lasers, UV-visible laser development review 2−1915
inert gas halide pulse compressors for inertial fusion appls. 2−10243
metal halide lasers, UV-visible laser development review 2−1915
optically pumped dimer lasers, UV-visible laser development review 2−1915
transient glow discharges in laser excitation and breakdown effects 2−10251
X-ray preionisation source for discharge-excited lasers 2−11883
Ar-N_2 with pumping by high-current charged particles beam, numerical model 2−6167
ArF excimer laser source, tunable ultrahigh spectral brightness 2−10245
ArF, UV preionised, pulse energy and laser performance *(Chinese)* 2−6134
ArF UV preionised discharged excimer laser, spectral tuning in 1926 to 1944Å range *(Chinese)* 2−15440
ArF* molecules excited by fast discharge, stimulated emission 2−1896
ArF* ultrahigh-spectral-brightness source, third harmonic generation in gaseous media 2−25843
CO($A^1\Pi$), laser induced fluoresc., appl. in CO(A-X) electronic laser 2−1838
CdBr photodissociation laser at 811 nm 2−25665
CdI photodissociation laser at 655 nm spectrum identification 2−25665
H_2 electron-beam-controlled discharge laser, kinetics and energy characts. 2−20798
HBr, electric discharge laser, kinetic model 2−15462
He/Cl_2 laser, electron beam pumped, 258 nm 2−25679
HgBr dissociation laser, high-power blue-green lasers for Naval systems 2−6157
HgBr high power blue-green laser, physical principles 2−1911
HgBr laser, injection locking 2−1910
HgBr laser, line narrowing and enhanced efficiency by injection locking 2−10188
HgBr short pulse discharge laser 2−1912
HgBr X-ray preionised electric-discharge laser, scaling studies 2−6173
$HgBr_2$/HgBr dissociation lasers, performance status and underwater communication system appl. 2−15463
I_2 laser, B state, stimulated emission and absorpt. losses 2−10213
IF as visible oscillators or amplifiers 2−10204
KrCl* molecules excited by fast discharge, stimulated emission 2−1896
KrF angular multiplexed 50-kJ laser module for inertial confinement fusion, conceptual design 2−1906
KrF angular multiplexed 50 kJ laser amplifier for inertial confinement fusion, conceptual design 2−6144
KrF, electric discharge laser with plasma electrodes 2−1884
KrF electron-beam-excited laser with 1.6 GW $litre^{-1}$ atm^{-1} pump power density 2−25711
KrF laser, backward wave Raman pulse compression in methane, laser fusion appls. 2−6164
KrF laser, electron beam pumped, steady state model 2−6128
KrF laser, electron beam excited, output performance, computer simulation 2−25691
KrF laser, pulse compressors for inertial fusion appls. 2−10243
KrF laser intensification for laser fusion appl., backward-wave Raman pulse compression 2−10227
KrF laser radiation, amplified phase conjugate refl. 2−15545
KrF laser radiation freq. up-conversion by four-wave mixing in Mg vapour 2−6264
KrF laser radiation phase conjugation using degenerate four-wave mixing in CS_2 2−15552
KrF, self-sustained discharge pumped, use of Ar diluent gas 2−1857
KrF short-pulse laser operation, kinetic issues 2−1845
KrF, UV preionised, pulse energy and laser performance *(Chinese)* 2−6134
Kr_2F broad-band electron beam pumped laser 2−20790
KrF* discharge e-beam controlled laser, ionisation instability *(Chinese)* 2−15444
KrF* molecules excited by fast discharge, stimulated emission 2−1896
$^7Li_2$ laser transitions asignment, Ar^+ and Kr^+ laser pumping 2−6151
N_2 atmospheric laser, travelling-wave mode *(Chinese)* 2−10195
N_2, excitation of two-dimensional HALO laser *(Hungarian)* 2−20773
N_2, He-N_2 lasers, UV preionisation, laser discharge homogeneity improvement *(Chinese)* 2−25677
N_2 laser, fabrication and spectral behaviour 2−20794
N_2 laser, for UV pulsed interferometry and holography 2−2052
N_2 laser, intense output at 3577Å, SF_6 addition effects *(Chinese)* 2−15435
N_2 laser, simple small open air TEA, effective glow form. 2−10225
N_2 pulsed laser, power requirements for triggered and untriggered spark gap mode 2−6154
N_2 UV laser, O_2 quenching effect on param. 2−10235
Na_2 optically pumped laser lines, fluorescence spectra obs. 2−10210
PO chemiluminescence flame, UV light amplification 2−25692
S_2 laser, XeCl pumped, heat pipe config., elec. discharge effects 2−25669
Tl-Hg photodissociatively pumped excimer system 2−6174
XeBr* laser with electron beam and discharge excitation, radiation characts. 2−20786
XeCl 308 nm laser, microwave pumping technique 2−1914
XeCl closed loop laser, high PRF performance, acoustic damping and flow control 2−1913
XeCl discharge laser, discharge circuit characts., gain 2−15460
excimer lasers continued
XeCl, electron beam pumped, lasing performance and efficiency meas. 2−1846
XeCl excimer laser, UV pumping source for tunable dye lasers 2−6184
XeCl excimer oscillator-ring amplifier system, laser tuning 2−25666
XeCl high energy laser pulse pumping of p-terphenyl dye laser 2−15470
XeCl high power blue-green laser, physical principles 2−1911
XeCl laser, 61.6 nm coherent radiation generation by fifth harmonic conversion in Ar and Kr 2−15551
XeCl laser, avalanche/self-sustained discharge pumped, long pulse behaviour 2−1833
XeCl laser, avalanche/self-sustained discharge pumped, long pulse behaviour 2−6129
XeCl laser, chemical-related degradation control 2−20801
XeCl laser, electron beam ionisation, efficiency reflected electrons effect 2−25720
XeCl laser, injection-locked, unstable resonator based, picosecond high power extraction 2−25802
XeCl laser operation with liquid Cl donors, output energy for CCl_4, $SiCl_4$ 2−1863
XeCl laser output, Raman down-conversion for blue-green appls. 2−15557
XeCl laser radiation freq. up-conversion by four-wave mixing in Mg vapour 2−6264
XeCl laser Raman freq. downconversion, high-power blue-green lasers for Naval systems 2−6157
XeCl, long-pulse electron-beam pumped laser, improved efficiency rel. to buffer choice 2−10246
XeCl long-pulse electron-beam excited laser performance, kinetic model 2−20791
XeCl, self-sustained discharge pumped, use of Ar diluent gas 2−1857
Xe_2Cl broad-band electron beam pumped laser 2−20790
XeCl* laser electron with electron beam and discharge excitation, radiation characts. 2−20786
XeCl* molecules excited by fast discharge, stimulated emission 2−1896
XeF broad-band electron beam pumped laser 2−20790
XeF C→A laser, scaling expts. 2−10244
XeF, electric discharge laser with plasma electrodes 2−1884
XeF excimer laser, electron beam pumped, continuous broadband tuning 2−1835
XeF formed by KrF_2 photodissociation, lasing as result of B-X transition 2−1893
XeF laser, transform-limited-bandwidth injection locking with Ar-ion laser at 3511 Å 2−20806
XeF laser with longitudinal discharge excitation 2−1864
XeF UV laser beam, phase conjugation by stimulated Brillouin scatt. in he xane, isopropanol 2−25844
XeF* laser with electron beam and discharge excitation, radiation characts. 2−20786
XeF*-XeBr* laser, pumped by electron-beam-stabilized discharge 2−10238
ZnI, gain at 602 nm on the B to X band 2−1909
ZnI photodissociation laser, quenching kinetics, and small signal gain spectrum 2−25699
exciters
alternator-rectifier excitation system models and verification tests 2−18344
blooming mill, 44-in., static excitation and control system 2−8105
brushless exciter with bridge rectifier, resultant magnetizing force of multiphase winding for a flow of nonsinusoidal current 2−18189
Cassegrain antenna, erected in Leeheim, with switchover feeder system *(German)* 2−6369
characteristics of an asynchronized synchronous generator 2−27891
electronic micro machine simulation 2−4072
evaluating the adjustment parameters of controllers for large turbogenerators 2−27721
fault simulation of divided winding rotor synchronous generator with rectifier excitation 2−4055
invertor fed synchronous motor excitation control and performance anal. 2−18204
invertor-fed synchronous motors with variable speed, excitation systems 2−12633
large turbogenerators excitation loss detection response and selectivity anal. using mathematical model 2−27869
load characteristics of induction generator with static exciter 2−4196
logic automatic system for excitation control of synchronous motors, analysis and synthesis *(Russian)* 2−27893
reactive power compensation for energy savings, compensating capacitors characts; construction and manufacture review *(German)* 2−3673
semiconductor automatic excitation regulator, of synchronous motors, guidance on hermetic contacts *(Russian)* 2−7827
single machine high frequency excitation system of turbogenerators of the type TVV-320-2 and TVV-500-2 2−12602
synchronous machine excitation cct. surge protection *(Russian)* 2−4060
synchronous motors, 300 kW, for compressor drives, static excitation system with automatic control of power factor *(Rumanian)* 2−23268
thyristor exciters, reliability anal. 2−12719
thyristor-excitation system overvoltage 2−27896
turbogenerator field suppression methods 2−4098
excitonic molecules
semiconductor, biexcitons, M-luminesc. band region, self-induced transparency 2−25846
semiconductor, optical nonlinearity and bistability due to biexciton form. 2−25840
CdS(Se), luminescence, time-resolved picosecond, at high excitation 2−25592
excitons
see also excitonic molecules
luminescence, conference, Berlin, Germany (July 1981) 2−23864
semiconductor, high-resolution optical spectroscopy characteris., review 2−9395
semiconductor, photolum. and photolum. excitation spectroscopy characteris., review 2−9394
semiconductor-electrolyte junction, flat band pot., electroreflectance study 2−9524
semiconductors, conference, Hakone, Japan (Sept. 1980) 2−13151
semiconductors, laser radiation, submicron, from exciton transitions excited by external source 2−25752
synchronous machine excitation control *(Russian)* 2−23269
$Al_xGa_{1-x}As$ grown by MBE, photoluminescence studies 2−10125

excitons continued
BeF_2 glasses, vacuum UV props. 2−9965
CdS(Se), luminescence, time-resolved picosecond, at high excitation 2−25592
GaAs laser cyclotron resonance, Zeeman absorpt. 2−20058
n-GaAs, photocurrent noise caused by impact ionization of neutral donors and free/bound excitons 2−24992
GaAs-$Al_{0.25}Ga_{0.75}As$ multiquantum well struct., resonant degenerate four-wave mixing 2−25828
Ge laser cyclotron resonance, Zeeman absorpt. 2−20058
$In_{0.53}Ga_{0.47}As$, near-band-gap absorpt. and photolum. 2−20729
InSb laser cyclotron resonance, Zeeman absorpt. 2−20058
Si laser cyclotron resonance, Zeeman absorpt. 2−20058
ZnSe single crystals subjected to one- and two-photon excitation, luminesc. and lasing 2−20869

executive programs *see supervisory and executive programs*

exhibitions
No entries

exoelectron emission
photomultiplier dynode exoelectron emission, vacancy diffusion mechanisms 2−1130
CuO film, exoelectron emission 2−5506
$LiNbO_3$, exoelectron emission accompanying piezoelec. effect 2−9357
NiO film, exoelectron emission 2−5506

expandor-compressors *see compandors*

expansion, thermal *see thermal expansion*

expansion chambers *see cloud chambers*

exploding foils *see exploding wires and foils*

exploding wires and foils
see also discharges (electric); plasma production
superconducting pulsed solenoid commutated by elec. explosion method 2−9951
underwater electroacoustic generator construction 2−3650

explosions
see also accidents; nuclear explosions; safety; shock waves
airgun firing data acquisition system *(Japanese)* 2−22711
blast pressure meas., near-field 2−11479
coal preparation, explosions and fires due to coal dust *(Rumanian)* 2−8221
electric motors, selection for operation in explosive environments *(Polish)* 2−23262
industrial protection system *(Polish)* 2−56
LWR accidents, consequences and effects *(Dutch)* 2−7649
nuclear power station explosive dismantling practicality *(German)* 2−12369
photodetection for fire control *(Polish)* 2−16986
stress meas. due to detonation, using carbon and quartz gages in tandem arrangement 2−22434
switching stations construction system with explosion and fire safeguards *(German)* 2−28042
terminals in explosion hazard areas, installation practice 2−48
understanding marks on equipment for potentially explosive areas 2−4618
H_2 explosion hazards, BWR off-gas systems, problematic and past occurrences investigation 2−3880

exposure meters *see photometers*

extended Huckel theory calculations *see EHT calculations*

extended X-ray absorption fine structure *see EXAFS*

extensometers
bridge cable tension meas. by microcomputer based instrument using microtensor induced vibration method *(Japanese)* 2−11631
interferometric dilatometer and specimen holders for thermal expansion coeffs. meas. *(Japanese)* 2−11449

extraordinary ray *see birefringence*

extrapolation
deferred corrections for equations of the second kind 2−8779
digital communication equipment bit error rate determ., using extrapolation technique 2−6428
extrapolation of band-limited signal problem, observations 2−15901
linear asymptotic expansion 2−8694
multivariate stationary processes, improvement 2−472
non-stiff ordinary differential equations, flexible variable order extrapolation 2−13696
nonlinear Volterra, integral equations step size control 2−19380
ODE solvers error control with local extrapolation 2−456
Poisson equation solution 2−13772
signal extrapolation for signals with finite total energy and limited bandwidth *(French)* 2−10679
stiff ordinary differential equations numerical solution 2−19353
time-limited, convergence of iterative nonexpansive signal reconstruction algorithms 2−6437
wind speed height extrapolation, similarity model and modified power law model compared 2−18108

extremum control *see optimal control*

extrusion
continuous vulcanizing extrusion lines, programmable controller and appls. 2−28303
injection moulding of thermoplastics mould filling behaviour measurement method and systems *(German)* 2−26707
plastic sheet coextrusion for bipolar electrodes of Zn-Br_2 battery 2−23414
selfshielded electron processor, for extrusion coat wire appl. 2−18994
$Bi_2Te_{2.88}Se_{0.12}$, extruded, elec. props. and struct. 2−20118

eye
see also vision
corneoscleral coagulator based on Yb-Er:glass laser 2−27199
DC ocular rheography, microprocessor-controlled differentiator for signal processing 2−11927
fundus oculi, laser coagulation 2−11957
instrument for monitoring eye fixation and pupil size during visual field exam. 2−27143
intraocular pressure, instrument for self-meas. using optoelectronic probe 2−27136
laser microsurgery trends, wet-field CO_2 laser technique 2−17411
lasers in ophthalmic surgery 2−7341
magnetic field generator, amplitude and phase regulating, for an eye movement monitor 2−27137
monitoring and calibration algorithm 2−3451
monitoring system using IR corneal reflection 2−3452

eye continued
movements meas. by electro-oculography digital automatic circuit for over-range correction 2−27184
ophthalmoscope, Stereo 110, of Jena optical works, simultaneous stereo photography 2−7314
ophthalmoscope, Stereo 110 and RETINOPHOT 211, use of colour filters 2−7315
saccadic eye movement disorders, quantitative evaluation, computerized system 2−27115
TV applications in opthalmic instruments *(Japanese)* 2−17358
US diagnostic instrument types for use in different medical fields 2−11893

F-centres
see also A-centres; M-centres
laser development and potential appls. *(Chinese)* 2−6194
lasers using $F_A(II)$, $F_B(II)$ centers, flashlamp excitation 2−6202
CaO, CW laser action using F^+-centres, 357-420 nm tunable range 2−1927
LiF F_2^+ tunable colour centre laser and holographic selector 2−1931

F_2-centres *see M-centres*

F_A-centres *see A-centres*

f-values *see oscillator strengths*

facsimile
see also video signals
1980s development trends *(Finnish)* 2−15992
AEG-Telefunken picture transmission system by telephone *(French)* 2−16079
band compression based on multivalued logic *(Korean)* 2−6554
commercial comparison with special deliveries and private couriers 2−26239
computer-based, architecture 2−16087
conditional incremental-runlength code based on two dimensional Markov model 2−10638
data compression technique using change block skipping for scanned all-points-addressable printer 2−2476
development and design, conf. at Ottawa, Canada (1981) 2−16085
development of information transmission by telecommunications *(French)* 2−10757
digital communication systems, using CC Cu conductors, for improved speech transmission and simultaneous transmission of telex, teletext and pictures *(German)* 2−16312
digital key telephone system with complex communication functions *(Japanese)* 2−26306
DOD printing at high print rates and resolution 2−21491
European electronic mail survey 2−10810
gray scale response, simultaneous despatch systems for police services 2−16109
half-tone facsimile transmission, noise effects *(Russian)* 2−21489
image coding for non-impact printing 2−16083
image processing, microprocessor control of scanning/compressing by specification of scan/print lines 2−21482
integrated communication services, history and current status *(German)* 2−26199
interbusiness telecommunication satellite, integration and applications 2−21801
interface LSI development *(Japanese)* 2−26242
modified READ 2-dimensional coding scheme *(Japanese)* 2−16076
multilevel ordered dither method for continuous-tone digital facsimile coding 2−2482
new telecommunication services in Europe *(Italian)* 2−16187
packet-switched data network, facsimile communication system development 2−2483
packetized service integration network for dedicated voice/data subscribers 2−16004
remote copying machines *(German)* 2−10813
runlength-coded facsimile pictures, line synchronisation for disturbed data transmission *(German)* 2−10811
scanned all-points addressable printer, data compression technique using change block skipping 2−2476
sound and picture transmission using pulse code modulation, principles and advantages *(German)* 2−26241
telematics research in Italy *(Italian)* 2−26195
telematics technology research and developments in Italy *(Italian)* 2−26192
text communication acceptability field expt. 2−21475
text communication by facsimile 2−10815
two-dimensional code for progressive transmission of two-tone images 2−21485
videotex, teletex and facsimile services, unification advantages and obstacles *(French)* 2−21472
visual patterns, remote access and retrieval system, microfiche storage and facsimile recording 2−2480
weather chart transmission 2−10814
weather satellite pictures, data decoding and processing 2−16080

facsimile communication *see facsimile*

facsimile document reproduction *see photocopying*

facsimile equipment
3M magnestylus printing, graphic arts applications 2−15637
analogue and digital units' advantages compared 2−2473
audiographic teleconferencing for intergroup communication *(French)* 2−21463
data conversion and interface control equipment 2−26244
digital facsimile devices 2−26240
digital facsimile equipment, high-speed, scanning line irregularity study *(Japanese)* 2−2477
electronic scanning facsimile apparatus *(French)* 2−21492
electrostatic printer for desktop facsimile transceivers 2−16082
facilities at the Olympiad-80 2−2470
facsimile communication system on packet switch data network 2−21486
fast digital facsimile communication with the HF 2060 facsimile equipment *(German)* 2−16075
front end processor for incompatible facsimile terminals 2−2474
high-speed facsimile apparatus for satellite communication 2−21487
image processing, facsimile terminal using logic gates 2−21484
image scanner in facsimile terminal, diagnostics algorithm 2−21483
ink-jet recording equipment for telefax service 2−10816
LED arrays, appl. in electrophotographic printer 2−16084
LSI appls., group 3 type equipment 2−10817

facsimile equipment continued
MELFANET computerised facsimile network system, Mitsubishi Electric product 2−21488
message switching electronic mail and facsimile terminals *(French)* 2−21474
microfacsimile, survey of possibilities and available products 2−10812
MOS analog and digital LSI circuit for documents optical reading [for facsimile transceiver] *(French)* 2−16081
optimal facsimile link networks design, network model optimisation *(Russian)* 2−21481
packet switching facsimile terminal device of X25 interface, testing *(Japanese)* 2−2478
Ptarmigan electronic teleprinter and facsimile transceiver terminals, appls. 2−21754
Siemens HF 2050 appl. *(German)* 2−2475
Telefax recorder rel. to cost reduction using new communication methods *(German)* 2−2479
terminal introduction into existing data communication networks 2−6639
videographic text transmission terminal cost containment *(French)* 2−21493

facsimile signals *see video signals*

facsimile transmission *see facsimile*

faculae *see Sun*

fading
see also radiowave propagation
4 GHz TD radio link, 20 Mb/s FSK digital transmission expt. 2−6765
6-GHz radio signals, multipath fading, path length dependence, expt. study 2−6334
16 QAM system baseband adaptive equalisation with multipath fading 2−2668
adaptive IF equaliser for 90 Mb/s 8-phase DPSK radio system 2−2669
AM receiver, time delay in AGC system, fast fading suppression 2−16345
canonic receiver analysis for M-ary angle modulations in Rayleigh fading environment 2−26439
CPSK signals fading, in Gaussian and impulsive atmospheric noise environment, error probability 2−6429
cross-polarization discrimination meas. at 11 and 17 GHz 2−10471
digital 16-QAM microwave radio, transversal adaptive equalizer to alleviate waveform distortion due to multipath fading 2−2688
digital 16-QAM microwave radio system with new countermeasure techniques for multipath fading 2−2687
digital land mobile radio channel, burst error characts. 2−10994
digital microwave radio, 91 Mbit/s systems, cofreq. cross-polarized operation during multipath fading 2−2676
digital microwave radio in 4, 6 and 11 GHz common carrier bands, multipath propag. effects 2−2677
digital microwave radio links, evaluation of impairment due to multipath fading, statistical 2−6759
digital mobile radio systems, PSK digital modulation methods in Rayleigh fading environment and presence of co-channel interference 2−2708
digital radio links, statistical model for evaluation of impairments due to multipack fading 2−25938
digital radio relay systems in 4, 6 and 11 GHz common carrier bands, multipath propag. effects 2−2678
digital radio system in presence of interference, comparison of calc. and obs. of performance, multipath fading model 2−6758
digital radio techniques, multipath fading performance comparison 2−6749
diversity channels, minimum mean square error equalisation of interference 2−6750
diversity effects of propagation characteristics during multipath fading in microwave links *(Japanese)* 2−21733
fading investigations on two hops with different length and with optical range at 7.5 GHz*)* *(German)* 2−2153
frequency hopping techniques considering coherence bandwidth, effect of diversity 2−11001
frequency selective Rician fading channel, 16-ary QASK and MSK perform. comparison 2−15804
frequency-selective, optimal receiver configuration 2−21260
ionospheric EM wave propagation, rocket effluent effects assessment 2−6329
L-DCPSK radio links, multipath propag. interference, availability anal. 2−26385
land mobile radio received signal strength, sequential estimate of cumulative probability 2−21762
line-of-sight digital microwave propag., two-tone amplitude dispersion, distance var. 2−6768
low-angle, site diversity meas., comparison with theoretical model 2−10470
microwave digital radio system, automatic transversal equaliser 2−21743
microwave line-of-sight path propag. multipath fading and ducts 2−6336
microwave line-of-sight propag., fading due to effect of meteorological mechanisms 2−6335
microwave mobile communication system, transmission of digital data over Rayleigh fading channel 2−26438
minimum mean square error equalization of interference of fading diversity channels 2−10534
mobile radio, fast fading, digital PLL with phase-step input, perform. 2−11004
multipath, single echo model, data radio links appl. 2−15684
multipath fading on microwave links, inband amplitude dispersion characts. *(Japanese)* 2−25940
over-sea line-of-sight radio links, optimum diversity separation for min. fading 2−10981
phase and frequency coherency in fading environment in tracking and data relay satellites 2−16452
radiowave propagation, rain fade duration statistics, anal. of presentation 2−21109
rain fading in 20/30 GHz FDMA satellite systems with multiple beam antennas, compensation 2−6815
receiver dynamical response, characterisation 2−16349
Rician fading channels, convolutional code performance bounds 2−2286
satellite link at Ka-band, adaptive rain fade compensation 2−11028
simulator for multipath fading in radio links *(German)* 2−16368
simultaneous fading of several RF channels probability distrib. 2−26397
space diversity combining of narrow-band digital signals in the presence of interference 2−2674
SW radio link, signal level distrib. 2−2665

fading continued
terrain reflection effects on data reception from airborne vehicles 2−10500
UHF urban radio channel, stochastic model 2−10993

failure, electrical *see electrical faults*

failure analysis
see also electrical faults; wear
2N2222A transistor, humidity activated surface leakage paths on TO case style glass headers 2−14852
20 kV network breakdowns in Hungary caused by longitudinal conductor vibrations *(Hungarian)* 2−22912
analogue electronic systems, testability and test complexity 2−11350
ATE appl. as management control mechanism 2−8192
ATE for mechanical failure prediction 2−22118
bipolar transistors, forward beta degradation and electromigration as reliability failure mechanisms 2−9632
capacitors, manufacturing defects and user's faults, remedial measures 2−5378
Chibro power station, generator bearing failure 2−18051
CMOS, SEM phase dependent voltage contrast for LSI failure analysis 2−9743
common cause failures, definitions and interpretations 2−8305
component failures, fundamental renewal equation, numerical deconvolution 2−24021
convertor, current-to-frequency, with charge-balance principle *(German)* 2−5333
DC motors, commutators, moulded plastic, testing problems in repair process 2−23311
discrete bipolar semicond. devices, EM pulse failure models evaluation 2−14828
effect of partial shadowing, thermal hot-spot and electrical second breakdown, failure mechanism 2−12886
electric shock protective measure, voltage/current limiting values and failure state probabilities *(German)* 2−18952
electrical contacts, techniques *(Danish)* 2−24756
electronic component reliability data, book 2−13146
electronic components reliability *(German)* 2−8312
engineering devices, period of ageing determ. *(Bulgarian)* 2−8310
flash lamps, physical failure mechanism 2−13052
fusion reactor supercond. magnet system, pot. failures and hazards 2−1631
hardware redundancy and reliability *(German)* 2−13322
indicator for multiple logic signals 2−5157
integrated circuits, hot spots detected using cholesteric liquid crystals 2−14943
Intel 2816 E^2 PROM, basic operation and intrinsic failure mechanisms 2−14127
intermeshed networks, power supply reliability estimation problems *(German)* 2−12241
logic testing, defective chips and multi-chips modules fault diagnosis in an LSSD environment 2−19611
LOGISAFE safety system, building element level, safety proof of modules, failure effect anal. *(German)* 2−8234
LSI failure diagnosis, incorporation of diagnostic hardware into chip 2−20284
LWR, steam explosion following postulated core meltdown accident, containment failure anal. 2−12389
machine insulation failure, 'transition effect' in thermal ageing process 2−23253
memories and LSI test quality and efficiency optimising system 2−19689
metallisation, electromigration failure model, Monte Carlo calcs. 2−14809
MOS LSI, plastic encapsulated Cu lead frame-epoxy die attach packaging system, reliability study 2−13293
MOSFET, n-channel, contaminated phosphosilicate glass gives temp. depend. defect level for ionic failure mechanism 2−15030
Mount Laguna Solar Photovoltaic Installation, performance characts., life cycle model 2−23612
multilayer ceramic capacitor failure mechanisms causing high elec. leakage 2−19901
n-p-n transistors, lower bound prediction on failure power distrib. 2−14843
NMOS LSI, electro-thermomigration of Al metallisation 2−15034
NMOS RAM, voltage breakdown characteristics compared with accelerated life tests and field use data 2−15026
nuclear power plant containment isolation system, instrumentation and control equipment failure assessment, soln. 2−12346
PC appl. *(German)* 2−13323
peak power power stations using RD-3M aircraft engines *(Slovak)* 2−27668
photovoltaic module failure anal. using Solar Cell Laser Scanner, design, expt. results 2−23603
photovoltaic modules, field failure mechanisms 2−23597
power overhead lines, combined stresses, technical and economic consequences *(Slovak)* 2−3765
power plant outages caused by air preheater failures, underlying cause determ. 2−23114
power station equipment problems, utility oriented approach for root-cause analysis 2−7732
power system failure extension curtailment procedure and criteria *(French)* 2−27340
power system reliability evaluation, common mode failure modelling, new approach *(Croatian)* 2−3700
process diagnostics, for large scale systems, current methods and new techniques based on filtering theory 2−8300
PWR plant availability-limiting factors analysed 2−17868
reliability and maintainability review methods for partially alarmed hardware modules 2−147
reliability physics conf., Orlando, Florida, USA (April 1981) 2−18861
reliability tests economic efficiency calc. *(Rumanian)* 2−19039
repairable RAMs and mostly-good memories, testing 2−19690
semiconductor devices, electrostatic discharge failures, models and recommendations 2−14821
semiconductor devices, how parts fail 2−19044
sensors, model mismatch effects on future detection 2−13325
shortened life-tests of type II for one-parameter exponential distrib., optimum planning *(German)* 2−24014
silicone potted electronic assemblies, decapsulation by ultrasonic stirring 2−4662
single unit system with regular and emergency orders and general life times, optimum ordering policy 2−8319

failure analysis continued
soft-soldering problems, anal. at academic research laboratory 2—14447
solar cell array failure modes for reverse voltages, reliability anal. 2—23601
spacecraft thermal-vacuum test optimisation 2—22618
synchronous machines, salient pole type, age-related failure of wire-wound rotating field poles 2—23283
terrestrial photovoltaic modules, field test sites, array reliability, failure mechanisms 2—23599
transmission and subtransmission transformer spares optimisation based on past failure rates 2—18304
two identical unit redundant system, availability anal., n-mutually exclusive failure modes, common-cause failure 2—8315
two non-identical three-state units redundant system with common-cause failures and one standby unit 2—8317
unbalanced polyphase electrical networks generalised shunt fault anal. 2—27332
VLSI, SEM/TEM in process development failure analysis 2—9711
WAMCOM computer code for common cause methodologies using large fault trees 2—8329
PtSi-Ti/W-Al metallisation system, reliability in bipolar logic devices 2—14984
Si_3N_4 and cured polyimide stripping for failure anal. using plasma etch process 2—20287

Faraday effect
coils, Faraday effect measurement by Magnetic Scalar Potential Difference 2—6307
dye laser, freq. locking to Ne absorpt. line by reson. phase polarisation 2—1923
ferrite-dielectric surface-wave waveguide, spectral characteristics of a Faraday rotator *(Russian)* 2—24647
fibre-optic current meas. sensor, using Sagnac interferometer *(French)* 2—26832
fibre-optic magnetooptical grating switch 2—15354
ISX-B Tokamak, line electron density and Faraday rotation simultaneous meas. 2—20996
magnetic components for microwaves and optics, review 2—14295
modulator based on Faraday rot. with cryst. in separated auxiliary field 2—20693
multimode twisted fibres, light propagation, Verdet const. *(Russian)* 2—10033
optical fibre isolator, single mode, toroidal config. 2—15292
optical line printing, magneto-optic pattern generator 2—15356
rare earth iron garnet magneto-optic isolator for optical fibre transmission *(Chinese)* 2—25558
ring laser with 90° Faraday rotator, stimulated emission polarisation and freq. charcts., temp. influence 2—1979
solenoid, Faraday effect measurements by Magnetic Scalar Potential Difference 2—6307
YIG epitaxial layers, Xe^+ irrad., magnetisation, Faraday rot. and FMR linewidth 2—15156

farming
age structured population optimal harvesting model 2—13779
fruit, electrostatic pesticide spraying in orchards, space charge induced forces and effects, apparatus design 2—10447
warm water rejected by power stations, agricultural and piscicultural uses *(French)* 2—27679
wind turbines feasibility study 2—18125

fast amplifiers *see pulse amplifiers*

fast Fourier transforms
24-channel digital signal processing transmultiplexer 2—2604
32-channel minicomputer-based system for measurement signals acquisition and processing, hardware and software *(Czech)* 2—26788
acousto-optical fast Fourier transformers 2—10092
algorithm and digital processing unit *(Rumanian)* 2—19391
amplitude probability density function measurement using fast Fourier transform *(Japanese)* 2—15916
base 4 with const. structure, algorithms 2—2350
brainstem response audiometry, waveform variation anal., FFT and inverse FFT appl. 2—11938
charge transfer device implementation of FFT, signal processing appls. 2—15887
circuit design programs for FFT and IFT 2—13912
circulation matrix, structures computation appls. *(Chinese)* 2—13709
coefficient errors, results of deterministic analysis 2—4976
convoluted signals, effectiveness of fast method for direct computation of aperiodic convolution 2—21357
DFT algorithm comparison using residue architecture 2—13801
digital chip design status 2—13802
digital storage and analysis of speech 2—10669
discrete convolution calc., numerical theoretical transformation *(Czech)* 2—19395
discrete convolutions, roundoff errors in fast computation 2—19390
dynamic programming appl. in picture and signal processing 2—2330
dynamic signal analyser performance improvement by windowing 2—16898
EMP response single aperture spherical cavity, FFT appl. 2—26011
exponential factors *(French)* 2—13799
fast computation of Fourier transform at arbitrary frequencies 2—2335
Fortran algorithms for FFTs, selection criteria for efficient implementation 2—19394
Fourier-Bessel transform, fast calculation by dual algorithms 2—543
gyroscope, space-qualified, noise meas. and anal. 2—7378
in-order prime factor FFT, implementation for variable sizes 2—19393
microcomputer realisation of fast Fourier transform *(German)* 2—8790
multidimensional discrete, evaluation by Cooley-Tukey algorithms 2—4974
n-dimensional convolution integrals computation 2—8789
noise source identification by FFT anal., at converter substations 2—12704
phase calculation, Hilbert 2—661
pipelined digital architecture for computing a multi-dimensional convolution 2—4977
power system reliability, discrete convolution 2—22819
PRF pulse Doppler radar using FFT signal processor, target detection charcts. 2—11116
processor, high-speed, design 2—2329
program, in Basic 2—545
reciprocating machines, noise and vibration analysis using triggered FFT method 2—4975

fast Fourier transforms continued
reflector antenna pattern analysis, using fast integration techniques based on FFTs 2—26030
signal processing ESM receivers based on SAW channelizer and FFT processor 2—2828
small electric motor surface tangential vibration calc. and meas. 2—4254
speed for large data blocks *(Russian)* 2—542
transient acoustic response of submerged shells, DAA2 and IDCA models 2—13693
transmission line TDR time domain reflectometry 2—22384
unified interpretation 2—19396
uniform convergence and localization of Fourier-Laplace series means *(Russian)* 2—4709

fastening *see joining processes*

fatigue
for corrosion fatigue see stress corrosion cracking; for thermal fatigue see thermal stress cracking
see also fatigue cracks; fatigue testing
brass waveguides, rectangular, vibr. strength, improvement by metal treatment *(Russian)* 2—13850
carbon fibre reinforced plastics, nondestructive testing 2—8859
F-7 photocell, working characteristics 2—15407
gas insulated substations, mechanical props. of particulate-filled epoxy resins 2—18399
graphite fibre reinforced epoxy laminate, fatigue damage monitoring by US mapping 2—5043
microsocket solder joints, anal. of thermal cycle fatigue damage 2—24852
optical fibre strength, military system requirements 2—1717
overhead HV conductor fatigue due to wind induced vibrations and stresses, current strategies for reduction *(German)* 2—27530
PWR steam generators materials performance 2—7662
steel, Cr-Mo, LMFBR steam generator materials experience 2—7677
steel, mild, fatigue failure prediction using US surface waves, corner reflector method 2—5049
steel, stainless, weld overlay, H-induced cracking in heat-affected zone of steam generator forging 2—7672
torsional vibration and fatigue of turbine-generator shafts 2—12587
turbine-generator shafts, fatigue damage due to fast reclosing, math. model 2—23261
turbogenerator shafts, torsional fatigue life reduction, due to large scale disturbances under fast valving control 2—27859
a-Si, glow discharge, fatigue effect in luminesc. at low temp. 2—25606
Ti, fatigue failure prediction using US surface waves, corner reflector method 2—5049

fatigue cracks
Al alloys fatigue strengths and welded joints 2—28280
initiation, assessment by acoustic emission 2—8884
steel, austenitic stainless, N strengthened, props., for cryogenic magnet structs. 2—8840
US fatigue testing, reson. freq. changes due to plastic deform. and crack initiation 2—24341

fatigue failure *see fatigue*

fatigue fracture *see fatigue*

fatigue life *see fatigue*

fatigue testing
for corrosion fatigue testing, see corrosion testing
Al alloys fatigue strengths and welded joints 2—28280
carbon fibre reinforced plastics, nondestructive testing and fatigue behaviour 2—8859
flat electrically conducting samples, transducer operation anal. with contact excitation in fatigue tests 2—635
overhead electric conductor, service life determ. under wind vibrations, laboratory tests *(German)* 2—27528
power overhead lines fatigue stability research and development *(German)* 2—27529
steel, stainless AISI type 304L, straight pipe for LWR, fatigue and fracture behaviour 2—12388
US resonance testing machine, computer controlled, lifetime and crack growth meas. 2—19481
wind power system 2—12576
Cu, HF testing, reson. freq. changes due to plastic deform. and crack initiation 2—24341

fault currents
see also flashover; leakage currents; overcurrent; short-circuit currents
400 kV system, transient recovery voltage conditions, survey 2—12227
arc thermal recovery speed in different gases and gas mixtures 2—12739
asymmetrical short-circuit currents calc. *(German)* 2—27455
automatic fault clearance systems for consumer supply networks *(Russian)* 2—7539
automatic phase failure switching in insulated-neutral networks *(Russian)* 2—12283
control voltage and transformer for motor control centres 2—28072
current operated earth leakage cct. breakers for protection against AC and DC fault currents 2—7956
determining single-phase earth fault currents in networks with insulated neutrals based on voltmeter measurements *(Russian)* 2—27587
electrical control panels—their design on the basis of fault current *(Italian)* 2—28073
fault analysis of six-phase systems/ 2—3727
fault current control in power conditioning units using power transistors 2—12714
ground potential rise, RMS symmetrical, calc. methods for protecting telecommunication ccts. 2—17762
grounding of generators connected to industrial plant distribution buses 2—17764
load-break switches and current-limiting fuses, IEC Publication 420, overview 2—28044
metalclad SF_6 switchgear for voltages of 300-1200 kV and fault currents up to 63 kA 2—7955
novel fail safe earth fault protection schemes for underground coalmines using restricted neutral system of power supply 2—22961
power network earth fault capacitive current compensation investigation *(Russian)* 2—12282
power system fault current limiting device, ultrafast fault sensor appl. 2—12299
power transmission and distribution, six-phase systems, charact. and behaviour under fault *(Italian)* 2—7525
six-phase power transmission systems fault anal. and fault currents suppression 2—7522

fault currents continued
solving generalized faults on congested right-of-ways by equivalent multi-ports 2−17749
switchgear contact behaviour against heavy fault currents, math. model *(Russian)* 2−4306
transient current contribution from induction motors during system faults 2−7840
vacuum arc fault current limiter development 2−28071

fault location
6-10 kV rural supply networks, fault indicator effectiveness *(Russian)* 2−12239
10 kV system, earth fault location with various neutral systems, operational experience *(German)* 2−17701
565 Mbit/s transmission system, multiplexing, regenerating and fault-locating techniques 2−6685
batteries, series arrangement, failed cell detector 2−24397
British Telecom's Locator 2, for detecting underground facilities 2−13232
cables, new circuit based on the earth-fault loop *(German)* 2−4665
cables, tri-lead test using loop radiator 2−5393
calibration and standards 2−22033
check of earth-fault protection by a secondary current 2−12312
coaxial cable fault location using Schmitt triggers 2−14325
colour TV receivers, Thorn 4000 chassis, servicing, timebase and convergence 2−16610
computerised testing, economics of functional testing of electronic devices throughout manufacturing cycle 2−8253
data line monitor for problem isolation and resolution 2−7020
DC distribution systems, locating earth faults, instrument 2−17781
detection and isolation system development 2−148
diagnostic meas. on microwave systems 2−11601
diagnostics for thyristor equipment in electric locomotives *(Russian)* 2−28011
digital circuits, test pattern generation technique 2−24499
digital coaxial cable system (LD-4), fault location and restoration, review 2−6534
digital hardware fault propagation characterisation as simple Markov process 2−150
digital ICs, LSI, MSI and SSI configurations, generation and optimisation of test series in man-machine dialogue *(German)* 2−5179
distance fault locating algorithms, error reduction 2−17763
distribution lines, foils failures, capacitor checker 2−27590
domestic refrigerators and deep freezers, employing electronic protection and control circuits *(German)* 2−4481
eddy-current defectoscopes *(Russian)* 2−26870
electric railway traction vehicles, automatic diagnosis/location of faults in electronic equipment *(French)* 2−23702
electrical apparatus service centres, role in energy/material conservation 2−23244
electronic components, instruments and troubleshooting, book 2−4572
ESS E10B system, method 2−2627
ESS networks, using computer-aided analysis 2−10911
fault-current wave-transmission and recording equipment for railways *(Japanese)* 2−4422
high impedance faults in distribution systems, detector 2−27591
HV fault location, partial discharge detectors, ultrasonic methods appl. 2−27583
HV power system, digital techniques 2−3793
IBM multilayer internal conductor ceramic mounts *(German)* 2−24817
IBM series/1 minicomputer for system verification and calibration 2−22109
in-circuit testing data processing, quality assurance improvement 2−8292
in-service performance monitoring for digital radio systems 2−6753
interconnected radio/telephone systems, troubleshooting procedures 2−2699
isolation test system architectural concepts 2−149
large transformers, on site repair and maintenance *(German)* 2−12696
light sensitive marginal voltage technique for the location of defects in digital microcircuits 2−1427
light sensitive marginal voltage technique for the location of defects in digital microcircuits 2−19052
locating high voltage insulation faults in switchgear 2−23379
logic circuit intermittent faults detection 2−1444
logic circuits worst case analysis using microcomputer KRS 4200/4201 *(German)* 2−9085
logic testing, functional level test calc. concept 2−803
LSI defect level, relation to yield and stuck-at-fault coverage 2−20282
LV cable networks, dealing with faults 2−7534
Lynch B610 ALERT test system for pair gain systems 2−7021
machine windings testing, surge comparison technique 2−23235
mains failure rapid detection unit 2−7582
microcomputer memory 2−24498
microelectronic components fault detect. by thermal characts. anal., IR image convertor appl. *(German)* 2−16848
microelectronic development, manufacture and applications, work study aspects *(German)* 2−125
microelectronics effects on labour-material-cost balance *(German)* 2−9325
microprocessor boards testing techniques review 2−5259
microprocessors, 8080 series, debugging using standard laboratory instruments 2−5244
mobile radiotelephone system troubleshooting by anal. of interface 2−16384
multi-valued combinatorial circuits stuck-type fault detection 2−14087
multiple fault testing in combinatorial ccts., Boolean difference appl. 2−14047
multiple faults, cct. to detect first fault, LED 2−860
multistage computer network 2−6606
multivalued and multi-level combinatorial circuits, map partition method testing 2−14088
MV networks, earth-fault location and neutral systems, related problems *(German)* 2−17700
optical single mode fibre cable, fault location using InGaAsP-InP BH laser 2−1943
optical time domain reflectometry, using YAG laser, increase in detectable fault location length 2−3288
partial discharges measurement and location on gas pipe cables or enclosed switchgear *(German)* 2−27504
partial discharges power measurement *(Czech)* 2−25369
Pentaconta telephone exchange, data recording 2−22192
power equipment grounding and personnel protection in cement plants 2−17765

fault location continued
power system dynamic equivalents, coherency recognition 2−12157
power transformer insulation testing, on-line incipient fault detector, field experience 2−23350
power transformers, new technique 2−7889
power transmission line fault distance computation by microprocessor from line impedance change *(German)* 2−27570
prediction of faults and prevention of transformer failures by gas-in-oil analysis 2−27966
process diagnostics, for large scale systems, current methods and new techniques based on filtering theory 2−8300
programmable logic arrays, fault detect. and diagnosis, test methods 2−9080
railways remote monitoring and remote control equipment, Stuttgart region (West Germany) *(German)* 2−3091
railways vehicles, on board testing of electronic equipment 2−16834
reliability index of transient stability for a single machine connected to an infinite-bus 2−7469
self-checking fault detection processor, design *(French)* 2−14168
sequential circuits, intermittent fault detection and location 2−19626
single mode optical fibre, 52 km long, fault location using stimulated Raman scatt. effect 2−25488
submarine, use of SCARAB robot 2−10952
submarine coaxial cable fault location test set employing measurement of the frequency-scanned return modulation product *(Japanese)* 2−26734
submarine telephone cables, fault location test set 2−21728
telecommunication cable, fault location by capacitance monitoring 2−16320
telephone exchange fault registers, computer aided anal. *(German)* 2−16257
telephone exchanges, automated statistical error diagnosis based on evaluation of control process *(German)* 2−10942
thermocouple troubleshooting techniques, event logs and resistance plots 2−16925
time domain reflectometry equipment for cable fault location 2−7203
TN 2700 carrier telephony system, linear highway struct., remote supply and control, fault location *(Polish)* 2−16040
toleranced analogue circuits, operation in linear regime, fault diagnosis 2−673
transmission line TDR time domain reflectometry 2−22384
trouble detection for transformers on short circuits 2−12702
underground cables, DC bridge measuring instrument *(Russian)* 2−22965
underground cables, latest techniques in fault localisation and other testing methods 2−8288
underground feeders, fault locating test set 2−7583
urban power network, algorithm *(Russian)* 2−22778
VF channel used for data communications, testing 2−24017
wafer testing equipment developments 2−1426
SF_6 insulated equipment fault sensors 2−18396
SF_6 insulated switchgear diagnostics, testing and fault location techniques 2−18395

fault-tolerant computing
aircraft multiprocessing system, conf. at Roros, Norway (1981) 2−22663
ballistic missile defence, multicomputer systems, logic upset circumvention 2−25975
C.fast, fault tolerant self-testing microprocessor 2−19722
data acquisition reliability and fault tolerance improvement, multimicroprocessor schemes 2−16887
distributed program status and node/network failure tolerance *(Italian)* 2−16195
economic considerations for real-time naval aircraft/avionic Distributed Computer Control Systems 2−22672
fault tolerant techniques for power plant computers 2−23015
hierarchical specification of the SIFT fault tolerant flight control system 2−22676
memory mechanisation for single particle radiation effects 2−14107
nuclear power plants, data handling system redundancy, availability analysis 2−17864
performance study of a distributed microprocessor architecture for use aboard military aircraft 2−22666
self-checking fault detection processor, design *(French)* 2−14168
spaceborne communications processor 2−22644
spacecraft systems, fault detection, identification and reconfiguration 2−22645
termination detection of diffusing computations in communicating sequential processes 2−21543

faults, electrical *see electrical faults*

f.d.m. *see frequency division multiplexing*

FDM/TDM translation *see transmultiplexing*

feature extraction *see pattern recognition*

feedback
see also control systems; control theory
16 QAM system baseband adaptive equalisation with multipath fading 2−2668
560 Mb/s PCM cable transmission, optimum decision feedback receiver 2−6735
A/D conversion techniques for DC drives, interfaced with microprocessor systems for speed control *(Italian)* 2−12970
active feedback loop amp. with regulated bandwidth 2−13992
active RC multifeedback bandpass filter, operational amplifier single-pole model effect 2−822
AF amplifier, LM 389, appl. for ceramic head input, accurate freq. response, negative feedback *(Spanish)* 2−11301
amplifier with gain and frequency response independent of operating point 2−13986
amplifiers, analysis, general exact method 2−13983
audio amplifier response improvement, feedback integrator removes DC offset 2−19555
automation appl. of electronic circuits, feedback controller amplifier ccts. *(German)* 2−19575
biofeedback devices. selective applications in mental health care 2−27194
bipolar feedback current amplifier, low distortion, use of modified Wilson current mirrors 2−13990
capacity region of discrete memoryless multiple access channels 2−21282
characteristics of an asynchronized synchronous generator 2−27891
compensation methods for zero-load meas. of signals *(German)* 2−867
computer modelling of an electromagnetic suspension *(Russian)* 2−18673
continuous-phase FSK performance in nonlinear satellite channels 2−6807
correcting feedback in autonomous voltage inverters *(Russian)* 2−4277

feedback continued
current-feedback bipolar transistor amplifiers, harmonic and intermodulation distortion 2−5125
depth of feedback, possibility of direct measurement *(Russian)* 2−3236
design of decentralised load-frequency regulators for interconnected power systems 2−22845
differential equations observability 2−13749
differential equations stability 2−13750
digital feedback networks with memory, expected value anal. 2−14198
digital random pulser based on linear feedback shift register for nuclear instrumentation 2−3422
digital signal repeating using digital feedback *(Czech)* 2−16316
directed star polygons, min. feedback arc sets 2−8632
electric motor rotational velocity control using phase feedback loop, advantages and practical appls. *(Polish)* 2−4016
electrodynamic transducer, feedback appl. *(German)* 2−16964
feedforward techniques, error-correcting amp. in Hi-Fi amplifier design appl. 2−16721
FM oscillators with nonlinear oscillating cct. *(Bulgarian)* 2−754
full decision feedback phase-locked loop, microprocessor-based implementation 2−14035
generalized zero sets of multiparameter polynomials and feedback stabilization 2−24231
high-power AF amplifier, 125 W, use of input differential cct. with RC feedback to improve linearity/distortion *(Spanish)* 2−11303
integrated-optic Mach-Zender amplitude modulator with optoelectronic feedback loop, response linearization 2−10069
inverse Laplace transforms, finite-series approx. to run on programmable calculator 2−479
Josephson interferometer, current injection, with mag. input signal coupling 2−9924
large interconnected power system, local feedback stabilisation 2−12128
large scale system stability 2−13751
LEDs, effect of feedback carrier excitation on external quantum efficiency 2−20759
linear feedback load cell for magnetic disc and recording heads 2−25433
logarithmic current-voltage convertor with transistor feedback, freq. response *(German)* 2−9199
microbridge, resonantly coupled, Josephson radiation linewidth, regenerative feedback narrowing 2−15265
microwave transistor amplifiers, graphical design method 2−5122
multimachine power system, closed loop quasioptimal excitation control strategy 2−3695
noise factors of basic feedback amplifiers, anal. 2−9001
non-inverting operational amplifier, freq. response extension using feedback *(German)* 2−743
nonlinear distortions correction of light beams by optical system with feedback 2−2010
OP-70 amplifier speed increased using BUF-03 buffer in feedback loop 2−8993
optimal coding in two-user white Gaussian channels with feedback 2−15833
power supply, feedback controlled current stabilised, for CO_2 waveguide laser *(Chinese)* 2−6243
power system, load frequency control via constant limited-state feedback 2−3680
reliability function of DMC at rates above capacity in presence of noiseless feedback 2−21281
SAW FM-oscillator design using 3-IDT delay line and doubly balanced differential amplifier, negative feedback 2−19590
self-controlled synchronous motor speed control system, dynamic performance anal. 2−12632
semiconductor laser spectrum-narrowing ratio determ. by optical feedback 2−20888
sequential signal processing system in channels with memory, decision feedback effects on noise immunity 2−10699
sonar feedback AGC systems, bandwidth invariant 2−26547
sound amplifying systems, acoustic feedback instability *(Russian)* 2−22009
squaring convertor, increase in accuracy *(German)* 2−7922
steampower plant, control system synthesis, set theoretic control approach 2−18005
synchronous motors speed control suppressing or enhancing hunting 2−7829
thyristor-type regenerative circuit with positive feedback, switching speed determ. 2−24625
turbine overspeed protection control using variable structure servomechanism 2−12493
TV preamplifiers with parallel negative feedback, S/N ratio *(Russian)* 2−16641
two stage recircular with frequency shift, influence of forward couplings 2−24632
vibration measurement devices, anal. of errors *(Russian)* 2−22247
voltage stabilizers, dynamic characteristics correction by means of feedback ccts. 2−721
GaAs FET, hybrid and monolithic broadband low-noise-and-power amplifiers using feedback techniques 2−5350
GaAs MESFET broadband amplifiers with parallel feedback, noise 2−19872
He-Ne frequency stabilised laser, optical feedback effects 2−10305

feeder reactors *see current limiting reactors*

feeds, antenna *see antenna feeders*

Fermi level
metal-semiconductor Schottky barrier height 2−14694
Schottky barriers, work function model 2−20132
Schottky-barrier diode, illumination influence on majority carrier quasi-Fermi level 2−1344
semiconducting electrodes, stabilising by means of redox systems 2−9526
semiconductor materials, neutron transmutation doping 2−1292
αAg_2Se, oriented thick films, Fermi level position, Hall effect 2−25043
$Al_xGa_{1-x}As$-GaAs heterojunction FET, magnetoconductance, g-factor, gate voltage 2−20270
$B_{13}C_2$, electronic struct. and semicond. behaviour 2−25035
BaO single cryst. films, poisoning and reactivation processes in oxide-type cathodes 2−1094
CdS:$CuCl_2$, baked layers, effects on elec. and photoelectrical props. 2−14653
n-GaAs, photoelectrochemical corrosion, effect of Au monolayer 2−5649
GaAs surface, (110), Fermi level pinning, contact pot. difference and surface photovoltage topography study 2−1181

Fermi level continued
n-GaAs-Au Schottky barrier height increase, Fermi energy pinning behaviour 2−5623
p-InP-liq. electrolyte interface, Fermi level pinning rel. to photoelectrochem. energy conversion 2−5644
n-InSb, Landau levels nonthermal broadening, transverse magnetoresist. and photomag. effect 2−5560
$(PbSe)_{1-x}(SnTe)_x$:In solid soln., elec. props. 2−5595
$Pb_{1-x}Sn_xTe$, epitaxial layer, elec. cond. and Hall effect *(Russian)* 2−25045
Si (111)-Ga(Sb) interface Schottky barrier formation study 2−25071
Si, neutron transmutation doping 2−1292
Si:H, amorphous, plasma deposited, photocond., temp. depend. 2−1778
Si:H, amorphous plasma deposited coating, field effect cond., illumination and annealing effects 2−24994
Si:H(B)(P), amorphous DC sputtered coating, doping and elec. props. 2−19424
Si-Al_2O_3, charge carrier props. in p-type layers of SOS 2−6087
SiC, impurity photosensitivity, recomb. centres 2−20720
p-Te film, evaporated, thermoelec. power 2−5542

Fermi surface
$AgSbTe_2$, thermoelec. hole spectrum model of transport props. 2−14667
GeTe, thermoelec. hole spectrum model of transport props. 2−14667
MnTe, thermoelec. hole spectrum model of transport props. 2−14667

ferrimagnetic properties of substances
see also ferrimagnetism; ferrites; garnets; magnetic semiconductors
Dy-Fe/Gd-Fe double layer film, amorphous, thermomag. writing 2−15149
Fe-Ni ferritic alloys, mag. and mech. props., telephone receiver appl. 2−15152
Fe_3O_4, magnetite powder, electrical conductivity meas. *(German)* 2−15140
Gd-Fe/Tb-Fe double layer film, amorphous, thermomag. writing 2−15149
$Ni_xCu_{(1-x)}Fe_2O_4$ $(0 \leq x \leq 1)$ ferrites, structural and magnetic properties 2−1563
Sr ferrite, magnetization, milling treatment effect 2−15139
Tb-Fe/Gd-Fe double layer film, amorphous, thermomag. writing 2−15149

ferrimagnetic resonance
No entries

ferrimagnetism
see also ferrimagnetic properties of substances
film, guided mag. waves, coupling for normal magnetization, quasi-optics 2−9853
high gradient magnetic separation for ferrimag. particles 2−25920
multilayered struct., magnetostatic bulk waves excitation 2−9867

ferrite applications
see also ferrite devices
1 HP ferrite hysteresis motor with 1-phase and 2-phase excitation, performance evaluation 2−18286
circular disk resonators on ferrite substrate 2−24660
impedance matching antennas/transmission lines, ferrite core devices appl. 2−6366
periodic ferrite slab waveguides, anal. using perturbation method 2−2175
switched mode power supplies 2−24394
transmission lines, ferrite-loaded, EM wave propag. characts. 2−10463

ferrite devices
see also ferrite applications; magnetostatic wave devices
circular waveguide cavities with partial-height ferrite insert, anal., circulator appls. 2−24676
dielectric-ferrite layer waveguide periodically loaded with metal strips, anal. 2−26028
digital ferrite phase shifter, influence on differential phase shift of waveguide narrowing 2−24652
downlink transmitter latching ferrite switch, 19-GHz, high power handling, low loss 2−26483
fin-line ferrite isolator for integrated MM-wave ccts. 2−24659
gyromagnetic-dielectric waveguide, first order Bragg interaction 2−6356
heads for AC bias recording, comparative aspects 2−20503
microstrip on magnetised ferrite-substrate, meas. of dispersion characts. *(German)* 2−24650
microwave and optics components, CAD and materials technology, review 2−14295
microwave circulators, anal. of losses *(Rumanian)* 2−14284
MM-wave isolators using distributed nonreciprocal structures, coupled-mode theory 2−5339
quarter-wave long composite ferrite/dielectric resonator for use in waveguide circulators 2−926
strip line resonator using surface spin waves 2−930
Y-junction dielectric waveguide circulator, 35 GHz band, $MgTiO_3$ dielec., Ni-Zn ferrite gyromag. function material 2−19857
Mn-Zn ferrite monocrystal video recording head from Grundig *(Dutch)* 2−25423

ferrites
see also ferrimagnetic properties of substances; ferrimagnetism; ferrite applications; ferrite devices
DC motors with SmCo magnets, magnetic behaviour under static, dynamic and thermal regimes *(French)* 2−27944
dielectric constants, meas. by MW dielectric resonator 2−5347
EM parameters meas. at UHF, by comparison method 2−17100
ferrite-garnet film, Permaloy coatings, implanted layers, anisotropy effect on magnetisation distrib. *(Russian)* 2−1566
hexagonal, uniaxial ferromags., review 2−15109
hysteresis-loop parameters meas., automatic ferrometer design 2−26944
loss tangent, permittivity, measurable values for waveguide microwave methods 2−25367
magnetic ceramics, in 1980, adaptation of hard ferrites to evolution of market requirements *(French)* 2−13854
magnetisation jumps, distrib. of amplitudes *(Russian)* 2−15159
microwave circulators, high power 2−15214
microwave tensor susceptibility and effective linewidth of polycryst. ferrite, meas. with rotating DC mag. field 2−11594
permanent magnet motors, high-field, performance characts. comparison for different magnet materials 2−18211
powder, replacement of electrolytic Fe powder in mag. separation of grains *(Rumanian)* 2−15667
soft, press. effect on magnetisation mechanisms 2−15157
Ba ferrite, anisotropic permanent magnets, force anal. 2−15104
Ba ferrite films with perpendicular mag. anisotropy, DC sputtering prep. 2−13835
$CoFe_2O_4$, epitaxial growth on acicular γ-Fe_2O_3 particles, coercivity, temp. depend. 2−20486

ferrites continued
γ-Fe_2O_3 thin film recording media preparation method 2−15195
Li-Ti-Zn ferrite, effect of MnO_2 and Bi_2O_3 additives on props. *(Slovak)* 2−1565
Li-Zn-Co ferrites, mag. anisotropy anomaly due to Co, permeability meas. 2−15158
$Li_{0.5}Fe_{2.5-x}M_xO_4$ (M=Co, Mn, Ti, Al), microwave relax. props. 2−15155
$LiFeO_2$, elec. props. and phase transform., complex admittance study 2−14661
$Li_{0.5}Fe_{2.5}O_4$ matrix, ferrite form., Sc_2O_3-CeO_2-CoC_2O_4 activator effect 2−9856
Mn-Zn ferrites, low loss, prep. with complex oxalates, mag. props. 2−13870
Mn-Zn ferrospinels, elec. cond., comp. depend. 2−1199
MnZn ferrites, phys. props., pressing press. effect 2−8848
$Mn_{0.5}Zn_{0.5}Fe_2O_4$, polycrystalline, permittivity, conductivity and dielectric relax. 2−5573
Ni-Zn ferrite magnetic head slider assemblies 2−5896
$(Ni_{0.5}Cd_{0.5}O)_{1-x}(Fe_2O_3)_{1+x}$, mag. and elec. props. 2−25421
$Ni_xCu_{(1-x)}Fe_2O_4$ ($0 \leq x \leq 1$) ferrites, structural and magnetic properties 2−1563
$Ni_{1-x}Zn_xFe_2O_4$, mag. and elec. props. 2−25421
Sr ferrite, magnetization, milling treatment effect 2−15139
$SrOxFe_2O_3(SF)$, magnetic properties determ. by new method *(Croatian)* 2−11598
$TmFeO_3$, domain wall motion *(Russian)* 2−25422
$(Y,Eu,Tm,Sm,Ca)_3(Fe,Ge)_5O_{12}$, epitaxial ferrite garnet film, domain wall mobility 2−5889
$(Y,Sm)_3(Fe,Ga)_5O_{12}$, epitaxial ferrite garnet film, domain wall mobility 2−5889
$(YBi)_3(FeGa)_5O_{12}$ ferrite garnet epitaxial film, domain wall reson. obs. 2−20491
$YFeO_3$, domain wall motion *(Russian)* 2−25422
YIG ferrite rods, parallel-axially magnetized, surface modes 2−1562
$Zn_xCu_{0.1}Fe_{2.9-x}O_4$ (x=0.3, 0.4, 0.5) initial permeab. and var. of magnetisation with Zn content 2−9855

ferroelasticity
quartz, ferrobielastic switching, effect on piezoelec. elements, stress distrib. anal. 2−20449
$Gd_2(MoO_4)_3$, ferroelec. ferroelastic, orthogonal domain wall interactions 2−15055

ferroelectric Curie temperature
$Na_5W_3O_9F_5$, chiolite type ferroelectric substitution effect on transition temp. *(French)* 2−9820

ferroelectric devices
holographic data processing using photorefractive crysts. 2−15566
pyroionisation type convertor of IR radiation, ferroelec. type 2−1549
$LiNbO_3$ used in SAW devices, effects of ferroelec. domains on surface struct. 2−15058
$Pb_3MgNb_2O_9$-$PbTiO_3$ temperature compensated composite resonator 2−5871
$PbTiO_3$ ferroelec. thin film gate FET for IR detection 2−3153
$PbTiO_3$ ferroelectric thin film, prep. by sputtering and laser annealing, device appls. 2−1509
$Sr_{0.61}Ba_{0.39}Nb_2O_6$, ferroelec. single cryst., piezoelec., HF dielec. and SAW props. 2−15057
$Sr_{0.61}Ba_{0.39}Nb_2O_6$, ferroelec., SAW transduction and poling 2−15094
Te film on $Pb_5Ge_3O_{11}$, TGS and TGSe substrates, ferroelec. field effects 2−1527

ferroelectric domains *see electric domains*

ferroelectric materials
see also antiferroelectric materials; electric domain walls; ferroelectric semiconductors; ferroelectric thin films; ferroelectric transitions
ceramics, counterpoled, polarisation and elastic vibr. distribs. laser probe meas. 2−20450
conference, University Park, PA, USA (Aug. 1981) 2−18847
crystal, dielec. susceptiblity, polarisation and cond., meas. method 2−17098
crystal growth techniques in search for new materials 2−19399
crystals, acoustoelectric phenomena, novel appls. 2−15054
photovoltaic effect, bulk 2−15403
polarisation properties, modulation spectroscopy characteris., review 2−9397
polymer-ceramic composites for hydrophones, fabrication and interphase connectivity 2−19457
polymer-ferroelectric composites, pyroelec. props. 2−1507
TGS substrate for Te film, ferroelec. field effects 2−1527
trissarcosine calcium chloride, switching parameters, temp., elec. field and press. depend. 2−15059
$Ba_{0.25}Sr_{0.75}Nb_2O_6$6 crystals, fast-response pyroelec. detector 2−3152
$Ba_xSr_{1-x}TiO_3$ films, microwave dielec. props., broad phase transition 2−25381
$BaTiO_3$, ferroelectric, electroluminescence phase rot., elec. field amplitude effect 2−15396
$BaTiO_3$ ferroelectric cold conductors, meas. appls. *(German)* 2−19894
$Bi_4Ti_3O_{12}$ ceramics, grain oriented, fabrication and elec. props. 2−13855
$Gd_2(MoO_4)_3$, ferroelec. ferroelastic, orthogonal domain wall interactions 2−15055
$LiNbO_3$, optical nonlinearity and hologram recording *(Russian)* 2−10348
$LiNbO_3$ used in SAW devices, effects of ferroelec. domains on surface struct. 2−15058
$LiNbO_3$:Fe, one-and two-photon holograms, optical erasure 2−6275
$LiNbO_3$:Fe, white light image processing 2−10717
$LiTaO_3$ thin film and devices grown by electrochemical reaction 2−15101
$NaNO_2$ layers as pyroelec. radiation detectors 2−3154
$Na_5W_3O_9F_5$, chiolite type ferroelectric substitution effect on transition temp. *(French)* 2−9820
PLZT X/65/35, transparent ferroelec. ceramics, phase transitions 2−5846
$Pb(Fe_{0.5}Nb_{0.5})O_3$, ferroelec. crystal, high-temp. soln. growth, single domain obs. 2−24275
$Pb_5Ge_3O_{11}$ substrate for Te film, ferroelec. field effects 2−1527
$Pb(Mn_{0.5}Nb_{0.5})O_3$, ferroelec. crystal, high-temp. soln. growth 2−24275
$PbSc_{1/2}Nb_{1/2}O_3$ transparent ferroelec. ceramics, phase transitions 2−5846
$PbTiO_3$-$PbZrO_3$-$PbNb_{2/3}Mn_{2/3}O_3$-$PbW_{1/2}Mn_{1/2}O_3$ systems, temp. stability of reson. freq., comp. depend. 2−25378
$Sr_{0.5}Ba_{0.5}Nb_2O_6$ ferroelec. ceramics, Cu doped, spectral photovoltaic response 2−15056
$Sr_{0.61}Ba_{0.39}Nb_2O_6$, ferroelec. single cryst., piezoelec., HF dielec. and SAW props. 2−15057
$Sr_{0.61}Ba_{0.39}Nb_2O_6$, ferroelec., SAW transduction and poling 2−15094

ferroelectric materials continued
$(Sr_xBa_{1-x})_{1-y}(Nb_2O_6)_y$:Ce, holographic sensitivity depend. on Ce conc. 2−6280
ZnS:Mn low-threshold-voltage thin-film electroluminesc. devices utilising ferroelectric $PbTiO_3$ and PLT insulating thin films 2−25634

ferroelectric phenomena *see ferroelectricity*

ferroelectric semiconductor materials *see ferroelectric semiconductors*

ferroelectric semiconductors
ceramics, transparent, semicond. props., electron-hole processes, hologram forming 2−25034
$AgTaO_3$, hot pressing prep., elec. and photoelec. props. 2−5033
$SrTiO_3$ electrode, photovoltage response to temp. change 2−25567

ferroelectric switching
trissarcosine calcium chloride, switching parameters, temp., elec. field and press. depend. 2−15059
Te film on $Pb_5Ge_3O_{11}$, TGS and TGSe substrates, ferroelec. field effects 2−1527

ferroelectric thin films
UHF dielectric props. 2−20458
$LiNbO_3$ single cryst. films, LPE growth for SAW devices 2−578
$PbTiO_3$ ferroelectric thin film, prep. by sputtering and laser annealing 2−1509

ferroelectric transitions
see also critical fluctuations; ferroelectric Curie temperature
$Na_5W_3O_9F_5$, chiolite type ferroelectric substitution effect on transition temp. *(French)* 2−9820
PLZT X/65/35, transparent ferroelec. ceramics, phase transitions 2−5846
$PbSc_{1/2}Nb_{1/2}O_3$ transparent ferroelec. ceramics, phase transitions 2−5846
$PbTiO_3$ ferroelectric thin film, prep. by sputtering and laser annealing 2−1509

ferroelectricity
see also antiferroelectricity; ferroelectric devices; ferroelectric materials; ferroelectric switching; ferroelectric transitions
conference, University Park, PA, USA (Aug. 1981) 2−18847
TGS powder-silicone rubber composite, ferroelectricity 2−20451

ferrofluids *see magnetic fluids*

ferromagnetic-antiferromagnetic transitions
see also Morin temperature
No entries

ferromagnetic Curie temperature *see Curie temperature*

ferromagnetic-paramagnetic transitions
see also Curie temperature
No entries

ferromagnetic properties of substances
see also ferromagnetic relaxation; ferromagnetic resonance; ferromagnetism; magnetic semiconductors
Alnico 5 with Nb additions, columnar, permanent mag., mag. props. 2−9865
amorphous magnetic materials, mag. props., applications in electronics 2−20482
laminated ferromagnetics, effective elec. and mag. characts. determ. *(Russian)* 2−1557
magnetic liquids, mag. props. and appls. 2−15122
Permalloy film, electromigration, electron microscopy study 2−25420
rare earth-transition metal alloys, uniaxial ferromags., review 2−15109
semi hard mag. materials, digital simulation of hysteresis processes 2−18282
steel, anisotropic, electrical, crystallographic texture in moving strip, inspection 2−644
steel, elec., nondestructive meas. of mag. props., metrological certification of equipment 2−11593
steel, low C, study of mag. ageing kinetics 2−15121
transition metal-base amorphous alloys, mag. props., comp. depend. 2−15134
water-based ferric soln., spatial distrib. of quantum parameters 2−15076
Co-Cr films for perpendicular mag. recording, opposing targets sputtering deposition 2−13834
Co-Cr films for perpendicular recording, RF sputtering deposition 2−15128
Co-Cr films with perpendicular magnetic anisotropy, RF sputtering prep., coercivity and X-ray orientation 2−15126
Co-Cr magnetostructure film on YZ-$LiNbO_3$ substrate, SAW delay line 2−15218
Co-Cr perpendicular recording medium by vacuum deposition, mag. and struct. props. 2−15127
Co-Cr sputtered layered media, optimisation for areal density 2−15194
Co-Ni-W sputtered film, recording performance and mag. props. 2−15193
Co-P chemically deposited film, mag. props., effects of activation and acceleration 2−5887
Co-rare earth permanent magnets, materials and appl. *(German)* 2−20519
Cu-Fe multifilamentary composites, in situ formed, mag. hysteresis loops 2−5901
$Er_{0.58}Ho_{0.42}Rh_4B_4$-Nb oxide-Nb point contact junction, temp. depend. of Josephson current 2−1617
Fe-B-C-Si, amorphous low core loss materials, comp. and heat treatment 2−15133
Fe-B(-Ni) based metallic glass, amorphous ribbons and toroids, pulse magnetisation losses 2−15112
Fe-Cr-Co-Si (27, 17.5, 1 wt.%), mag. and struct. transitions, mag. props. 2−15211
Fe-Cr-Si-B amorphous ribbons, mag. props. 2−20483
Fe-Ni-Al alloy YuND4 magnets, cooling rate rel. to mag. props. 2−15129
Fe-Pd (18 to 52.5 at.%) alloy, mag. props., by mag. meas. and X-ray diffr. 2−9866
Fe-Si (3 wt%) sheets, grain oriented, remanence theory in presence of external stresses 2−15115
Fe-Si (3 wt.%), energy loss anomaly study 2−15113
Fe-Si (3 wt.%), grain oriented, effect of tensile stress on domain wall motion and wall bowing 2−15117
Fe-Si (3 wt.%), grain oriented, magnetised, effect of stress on mag. props. 2−15118
Fe-Si (3 wt.%), grain oriented, effects of surface coatings on domain struct. 2−15120
Fe-Si (3 wt.%), grain-oriented, magnetostrictive props. of individual grains 2−15116
Fe-Si (3 wt.%), with (110) surface, domain wall angles, stress effects 2−15119

ferromagnetic properties of substances continued
Fe-Si (6.5 wt.%), powder, prep. by spark erosion 2−19455
Fe-Si (6.5 wt.%) ribbons, mag. props. and grain struct. after annealing 2−15125
Fe-Si alloys, high Si content, mech. and mag. props., recent studies 2−15114
Fe-Si alloys, rapidly quenched, mag. props. 2−9851
Fe-Si amorphous ribbon materials, causes of anomalous loss 2−15111
Fe-Si steel plate, non-oriented, Fe losses calc. 2−15108
Fe-Si-Al ribbons, Sendust, mag. charact., recording head appls. 2−15187
Fe-Si-Al single crysts., mag. props. near Sendust comp. 2−15124
$Fe_{78}B_{13}Si_9$ amorphous magnetic ribbon, mag. props. and power transformer appl. 2−15136
$(Fe_{0.82}B_{0.18})_{0.9}Tb_{0.05}La_{0.05}$, amorphous and crystallised, mag. props. 2−9850
Fe_xN_{1-x} film, noncrystalline, mag. and recording props. 2−1558
Mn-Al-C, permanent mag., magnetisation props., −50 to 150°C 2−15110
NiFe chevron elements, 90° symmetrical, magnetisation processes and distrib. 2−15123
$SmCo_5$ magnet, for portable NMR spectrometer, props. 2−15209
$SmCo_5$ permanent magnets, deform. sintered, struct. and mag. props. 2−15212
$SmCo_5$ sintered mag. alloys, domain wall pinning and nucl., thermal activation and coercive field 2−15131
$SmCo_5$ sintered mag. alloys, domain wall pinning and nucl., mag. viscosity obs. 2−15132
T-M amorphous alloys, T-Fe, Co, Ni and M=B, C, P, ferromagnetic glasses study 2−5885

ferromagnetic relaxation
see also ferromagnetic resonance
No entries

ferromagnetic resonance
see also ferromagnetic relaxation
flaw detection, using eddy current detector 2−11452
garnet bubble film, ion implanted layer, mag. state, temp. depend. study 2−15151
$(Sm,Lu,Ca)_3(Si,Lu,Fe)_5O_{12}$ film, domain wall motion, magnetisation and comp. depend. 2−15160
$(Y,Eu,Tm,Sm,Ca)_3(Fe,Ge)_5O_{12}$, epitaxial ferrite garnet film, domain wall mobility 2−5889
$(Y,Sm,Ca)_3(Ge,Fe)_5O_{12}$ film, domain wall motion, magnetisation and comp. depend. 2−15160
$(Y,Sm)_3(Fe,Ga)_5O_{12}$, epitaxial ferrite garnet film, domain wall mobility 2−5889
YIG epitaxial layers, Xe^+ irrad., magnetisation, Faraday rot. and FMR linewidth 2−15156
YIG films, magnetostatic waves, FMR study 2−15161

ferromagnetism
see also ferromagnetic properties of substances; ferromagnetic relaxation; ferromagnetic resonance; Ising model; spin waves
high coercivity Fe alloys, hysteresis curve, math. model *(Russian)* 2−1559
high voltage 0.001-100 Hz triangular wave generator, used for ferromagnetic materials characterisation *(Spanish)* 2−14012
induction magnetic probes, parameter change estimation at liquid N_2 temp. *(Russian)* 2−20551
magnetometer, inductance variation, thin film, factors affecting performance 2−20549
nonlinear skin effect, plane and circular polarised electromagnetic fields penetrating a ferromagnetic conducting semispace 2−15675
pulsed magnet with saturable Fe, numerical simulation of quasisteady EM fields, ferromag. saturation effects 2−2102
resonant magnetic probes, narrowband, inductance optimisation of induction transducers with ferromag. cores *(Russian)* 2−22254
tube, eddy current testing, magnetic props. effect 2−8857

ferromagnets *see ferromagnetic properties of substances; ferromagnetism*

f.e.t. *see field effect transistors*

Feynman diagrams
free electron laser, SHG, Feynman diagram technique 2−15429

f.h.p. motors *see fractional-horsepower motors*

fibre optics
Used for fibre optic instruments and their components e.g. fibre optic gyroscopes, endoscopes and fibre lasers. For optical fibre waveguides used in telecommunications, see optical fibres
see also optical fibres
accelerometer with hydrophone appls. 2−5989
ATE system for electro-optical units, 3-port 2−26768
automatic-light screwdriver using fibre optics *(French)* 2−15319
avionics fibre-optic built-in test development 2−7396
blood velocity measurement by fibre optic laser Doppler anemometry 2−27135
Chinese characters, laser phototypesetter *(Chinese)* 2−10396
communication systems in Japanese National Railways *(German)* 2−6020
conference, optical systems and appls., Utrecht, The Netherlands (Sept. 1980) 2−8135
current meas. sensor, using Sagnac interferometer *(French)* 2−26832
current measurement device at generating station 2−11576
DFB laser action in fibre surrounded by gain modulated dye soln., evanescent field coupling 2−15490
EMP meas., fibre optic data link 2−21122
Fabry-Perot fibre optic, interferometric sensor 2−6012
fire alarm system based on optical fibres *(French)* 2−13252
flexible fibre-optic elements, resist. to mech. stimuli, ambient environment influence 2−10026
PIN-GaAs FET preamplifier modules, photodetectors for 0.9 to 2.1 μm waveband 2−3168
gyroscope, all-single-mode, long-term stability 2−1711
gyroscope, closed-loop, low-noise 2−1712
gyroscope, laser, with easily introduced phase-difference bias. 2−20618
gyroscope with nonreciprocally operated fibre-coupled $LiNbO_3$ phase shifter 2−15324
holographic displacement analysis with multimode fibre optics 2−15565
interferometer, accurate phase meas. system 2−6030
interferometer, all-fibre Michelson, using differential output config., refl. mirror vibr. displacement meas. 2−1704
interferometer, ring, phase shift fluctuations between opposite waves 2−20665
interferometer, single mode, phase modulation induced by controlled vibr. 2−10023
interferometer, single-mode, automated optical field mapping 2−20615

fibre optics continued
interferometer sensor systems, diode laser source limitations 2−10038
interferometer using digital phase tracker 2−6017
interferometers with (3×3) directional couplers, analysis 2−6015
interferometric sensors, research update 2−5992
isolation amplifier with piezoceramic material and fiber-optic light pipe 2−5116
isolator, single mode fibre, toroidal config. 2−15292
laser probe for SAW meas., appl. to crack detection in NDT 2−25479
laser velocimeter receiver system, fibre optics signal transmission 2−1685
LED high performance connectorised package for fibre optics 2−25640
light pipe for enhanced illumination of typewriter page 2−23727
liquid crystal lens array 2−15351
magnetooptical grating fibre-optic switch 2−15354
marine applications of fibre optic systems *(German)* 2−6019
measurement appl. developments, review 2−22277
measurement sensors, using fibre optics 2−25522
medical optical fibre technique for He-Ne laser screening of the human body 2−27146
microbending sensor design optimisation 2−1731
microprocessor-based fibre optic iterative optical processor 2−20622
multi/demultiplexers for single-mode fibre transmission 2−9988
multiprocessing system fibre optics ring bus, architecture 2−20683
NDT appl., review 2−6028
nuclear power plant boiler tube bundle interior inspection, miniature visual examination equipment development 2−7636
optical fibre communication, book 2−16484
optical liquid level sensor 2−11665
optical semiconductors and other fibre optic devices *(Japanese)* 2−10011
optical sensors for displacement measurement 2−7208
opto-isolator using interchangeable fibre-optic emitters and detectors 2−15418
photocopier 2−9997
photodisplay devices operation and charact. *(Italian)* 2−20741
photoelectric sensing devices in materials handling appls. 2−22280
photoelectric switch, model E3S-X 2−1804
photoelectric switches, appls. 2−1806
photomultipliers gain regulation system using LED and optical fibres 2−17236
phototypesetter, laser, with four electro-optical modulators *(Chinese)* 2−10397
polarisation optical time domain reflectometry, physical field spatial distrib. meas. 2−10021
printing, fibre optic CRT addressed xerographic engines 2−15644
product growth cycle 2−25549
pulp stock, new optical flow measuring device 2−17173
receivers for optical fibre communication systems, photodiodes 2−15413
rotation sensor, toward an integrated device, review 2−1730
scanner appl. 2−11492
sensor for metal surface gloss meas., development *(Japanese)* 2−15316
sensor systems, applications and economic prospects 2−5991
sensor systems, overview 2−1716
sensor systems, passive multiplexing techniques 2−5993
sensor/transducer components, appls. *(Italian)* 2−20636
sensors, acoustic sensing appl. 2−6029
sensors based on single-mode technology, state-of-the-art 2−7089
sensors for medical and electrotech. appls. using bifurcated fibre bundles 2−6031
sensors for physical quantities 2−26834
sensors for use in sonar systems 2−15360
shock parameters meas. with noncontacting fibre optic lever vibration transducers 2−11444
spun single-mode fibres, birefr. and polarisation mode-dispersion 2−1683
technology applied to computer communications 2−21622
telecommunication cables, protection against fire, development trends 2−5392
telephone set, all-optical 2−6653
temperature measurement instrument 2−10037
temperature sensing in optical fibres using cladding and jacket loss effects 2−15291
temperature sensitivity minimisation 2−1690
testing cables and equipment, Elie, Manitoba, field trial 2−10051
tool flank wear, in process measurement using fibre optic sensor *(Italian)* 2−25476
velocimeter, laser Doppler, dual single-beam 2−15577
Y-branch fabrication, appl. in optical time-domain reflectometer 2−11644
GeO_2-B_2O_3-SiO_2 glass fibre optic preforms, nondestructive conc. profiling by Raman spectra anal. 2−1700

fibre reinforced composites
see also carbon fibre reinforced composites; glass fibre reinforced plastics
concrete pole for distribution lines, structural tests 2−3781
concrete pole for distribution lines, structural tests 2−27561
glass silk-polymer composite materials for printed circuit boards, optimisation of properties *(German)* 2−615
insulating materials for high temps., fibre-reinforced resin system, transformer and machine insulation appls. 2−18153
Pb, fibre reinforced, anodic corrosion 2−18433
SiC discontinuous whisker reinforced Al, US charact. of elastic const. and moduli 2−8887

fibres
see also carbon fibres; composite materials; fibre reinforced composites; glass fibres; optical fibres
flywheel, high energy density, incorporating fibres, design and fabrication 2−12958
polyacetylene epitaxial layers, optical and elec. anisotropy 2−25042
polyester fibres, modification of struct. by stretching and thermal treatment *(German)* 2−13867

field effect devices
see also field effect integrated circuits; field effect transistors; metal-insulator-semiconductor devices
ion-controlled diodes for down-borehole operation, temp. depend. of gate-controlled portion 2−22241
MOS-oxide charge induced junction solar cells 2−18498
ring oscillator using planar enhancement-mode two-dimensional electron gas FET logic 2−24478
$Te_{39}As_{36}Si_{17}Ge_7P$, glass, field effect meas. 2−20108

field effect integrated circuits
see also charge-coupled device circuits
1.5 Kbit associative memory, functional diagram and applications *(French)* 2−14125
8-bit microcomputer family (NSC 800), Z80 and 8085 features, high-speed CMOS fabrication process 2−5256
64K bit dynamic RAM, memory cell and sense-refresh amplifier *(German)* 2−19656
64K RAM, MOS technology 2−24537
64K-bit dynamic MOS RAM *(Japanese)* 2−9099
74HC for CMOS logic family *(German)* 2−24480
256K MOS RAM, dry etching technology for 1 micron VLSI fabrication 2−9571
256K MOS RAM, variable-shaped electron-beam direct writing technology for 1 micron VLSI fabrication 2−9731
AD7581 CMOS data acquisition chip, used for microprocessor interface 2−26785
AD 7581 data acquisition system by Analog Devices *(French)* 2−7048
applications, book 2−23880
automobile microprocessor interfaces 2−18731
Bellmac-32, 32-bit processor from Bell Laboratories using CMOS technology 2−5241
BIGFET logic array layout design using BISIC program 2−801
bipolar compatible subsurface JFET fabrication 2−20256
buried channel/surface channel CMOSFET IC isolated by implanted SiO_2 layer 2−25352
buried-gate electrically alterable memory device, folding for area-saving vertical geometric feature 2−19667
C^2MOS 8-bit microprocessor 2−14150
CD4007 UBE, live mains cable indicator, using CMOS high impedance 2−11513
change-flow transistor oscillator moisture sensor, IC implementation 2−11656
CMOS, 39-stage ring oscillators using refractory $MoSi_2$ and $MoSi_2$/polysilicon 2−25358
CMOS, double lambda diode based (DOL CMOS) static memory cell design 2−24522
CMOS, for 4.2 MHz analogue wrist watch 2−25395
CMOS, in photographic process timer using scale division and process cards 2−5306
CMOS, retrograde p-well for higher density 2−1449
CMOS, SEM phase dependent voltage contrast for LSI failure analysis 2−9743
CMOS, Si-gate, radiation hardness, gate oxide thickness effects 2−15005
CMOS, testability superiority over other IC circuits, test methods 2−20429
CMOS 4053B chip, as digital level translator *(Italian)* 2−5264
CMOS 64K dynamic RAM market trend 2−24541
CMOS 8-bit A/D convertor ADC-0801-04 for interface with microprocessors 2−892
CMOS A/D and D/A convertors, system adaptability *(Swedish)* 2−19735
CMOS A/D convertor with exponential representation *(German)* 2−5323
CMOS A/D convertors, National Semiconductor 2−5321
CMOS adaptive biasing amplifier 2−13996
CMOS analogue switches, Siconix DG 211/308 types, appls. *(German)* 2−14234
CMOS and bipolar logic, review of new versions 2−9063
CMOS arrays, semi-custom series, realisation of analogue and digital functions on single chip *(Italian)* 2−25339
CMOS bandgap voltage reference sources 2−19535
CMOS crystal oscillator and MHz range 2−1529
CMOS drive and interface circuits for liquid crystal display *(German)* 2−11539
CMOS FET with p-channel devices using $IrSi_x$ 2−1453
CMOS gate arrays for semi-custom market 2−5812
CMOS gate configurations for timing ccts. *(German)* 2−5318
CMOS gate oxide damage during laser annealing, microanalytical study 2−14753
CMOS HC series high speed gate packages 2−19616
CMOS high density integrated shift registers *(Italian)* 2−14051
CMOS high density ROM for hand language translator 2−19671
CMOS high-speed logic family based on standard 5-μm Si-gate process, 3.5 μm self-aligning gate technology 2−24476
CMOS IC, parasitic SCRs operation modes anal. 2−15002
CMOS IC distributed effects role in latch-up 2−15003
CMOS ICs, appls., advantages 2−5809
CMOS ICs, latch-up prevention *(French)* 2−1448
CMOS integrated circuits, radiation-induced damage, thermal annealing activation energy 2−25354
CMOS integrated switch ccts., technology, characts. *(German)* 2−20399
CMOS interface for thyristor controlled AC loads 2−9131
CMOS interfaces 2−5322
CMOS invertor with stacked transistors for high density 2−9735
CMOS LSI, custom high reliability radiation hardened circuit design 2−9751
CMOS LSI dielectric isolation technology, full isolation by porous oxidized Si 2−20422
CMOS LSI frequency synthesizers, HEF4750, design problems 2−13997
CMOS LSI switch-array module *(German)* 2−19654
CMOS memory systems, deisgn, technology 2−24514
CMOS PROMs, Harris Corp. 2−5217
CMOS RAM, soft error susceptibility, depend. on power supply voltage 2−14108
CMOS RAM, viewed with respect to NMOS technology 2−19677
CMOS RAM cosmic-ray-induced error rate anal. 2−14105
CMOS RAM using analog components, 4K, operation and layout *(French, German)* 2−24506
CMOS ROM, fully-static high-speed design, 32K×8, appls. 2−19688
CMOS Si-gate uncommitted logic arrays, semi-custom design technique 2−9730
CMOS single-chip microcomputer, LCD III in HMCS40 series for display drive appls. 2−26773
CMOS single-chip speech synthesis LSI, HD61885, principles and features 2−26095
CMOS SOS single bit RAM cell fabrication using ion implantation 2−1456
CMOS switches for signal source switching *(German)* 2−9177
CMOS technology, improvements 2−5806
CMOS technology based 14-bit D/A convertor compatible with microprocessor *(Italian)* 2−9119

field effect integrated circuits continued
CMOS technology for VLSI, processes, phys. limitations, digital and analogue ccts. 2−20417
CMOS to mains interface 2−8984
CMOS transmission gate as touch switch 2−9741
CMOS type 4046 micropower PLL, for phase lock indication *(Italian)* 2−776
CMOS VLSI, bulk ICs, limitations due to parasitic SCR paths, DC model 2−9748
CMOS voltage regulator for battery-operated equipment *(German)* 2−24386
CMOS/LSI bulk radiation hardened technology 2−14999
CMOS/SOS, electron beam and optical stepper lithography, hybrid combination, IC and mask manufacture 2−9539
CMOS/SOS 18 ns 4K static RAM design and fabrication 2−24521
CMOS/SOS advanced architecture 16-bit microprocessor, floating-point operations, avionics appls. 2−19723
CMOS/SOS automated universal array for custom LSI devices 2−14056
CMOS/SOS chip set from RCA 2−9108
CMOS/SOS memory, exposure dose rate depend. 2−14111
CMOS/SOS radiation-hardened Si-gate process comprehensive test pattern for process performance/control 2−20353
CMOS/SOS RAMs, fault tolerant, associative iterative circuit control 2−19679
CMOS/SOS short-channel technology 2−9749
CMOS/SOS technology developments and appl. 2−5814
CMOS/SOS VLSI circuit fabrication using electron beam/optical hybrid lithography method 2−9745
COM8004 CRC generator/checker for use with synchronous data link controller protocols 2−9123
combination lock, using 4050 CMOS hex buffer IC timing ccts., relay 2−14235
continuous-time analog filter using MOS technology 2−19775
control device integration with LED for visible or IR source 2−10168
D/A convertor multipliers, operating principles, CMOS 10-bit single chip device *(Italian)* 2−9120
differential switched-capacitor filtering technique, low noise, chopper stabilisation 2−19779
DIGSIM II, advanced graphics interface for VLSI MOS models 2−1461
double poly Si plate capacitors with SiO_2/Si_3N_4 insulators 2−25342
Dresden University IC applications and research group progress report *(German)* 2−1460
dynamic MOS RAM, 256K, 100 ns, using polySi and Mo gates technology 2−19678
dynamic MOS RAM, holding time degradation by injection-induced electron currents 2−19663
dynamic RAM, 16K, soft upsets study using ion microbeam 2−24507
dynamic RAM, 64K, fully boosted with automatic and self-refresh, fabrication using double poly Si process 2−24526
dynamic RAM, 64K, yield improvement with laser programmed redundancy 2−24528
dynamic RAM, bit line precharging circuit 2−14115
dynamic RAM, single event upsets study in microcircuits using ion microbeam 2−14109
dynamic RAM cell, 34 μm^2, fabricated using 1 μm single level polycide FET technology 2−24527
dynamic RAMs, 16k and 64k, Hitachi reliability studies 2−9095
EAPROM, source side decoder 2−15006
electrically alterable programmable logic array for fast turnaround-time VLSI development hardware 2−14057
electrically alterable ROM arrays using dual electron injector structure charge injectors 2−9098
electron-beam lithography for small MOSFETs using multilevel resist structure 2−9732
electrostatic discharge effects and production ccts., review 2−9752
fabrication, with polycrystalline Si layers overlap capacitance minimisation 2−5817
fabrication process, defined edge profiles production in p^+ polysilicon 2−1454
fault tolerant 256 kbit MOS RAM design, Mo-polySi tech., 120 ns access time, 190 mW power dissipation *(Japanese)* 2−24509
fault tolerant memories for single particle radiation effects 2−14107
FET process, parametric control 2−15023
GaAs monolithic low-noise broad-band amplifier 2−19563
gigabit logic circuits with scaled NMOS 2−19647
HD61885 speech synthesis chip in CMOS technology 2−5807
Hi-CMOS II static RAM technology, 2 μm process, double level polySi structs. 2−19681
Hi-CMOSII high speed 4K static RAM design 2−24520
high speed, comparison with GaAs ICs, military developments with radiation hardness appl. 2−1455
HMOS-CMOS low power high performance technology, appl. to 4K static RAM 2−25351
HV CMOS technology 2−25344
HV MOS devices on logic chips 2−16973
IDT 6116 RAM using CMOS technology 2−5216
integrated CMOS SC filter based on one-port simulation 2−19792
ion-sensitive FET sensors, monolithic implementation, ion noise, meas. of short-circuit channel noise currents 2−26845
laboratory facilities for research and education at Case Western Reserve University, USA 2−8180
latch-up phenomenon/ in CMOS integrated circuits/ *(French)* 2−1458
light intensity-to-frequency converter, for incorporation into MOS circuits 2−22286
lightly doped drain FET devices, fabrication using preferential etching 2−5816
linear ICs, bipolar vs. CMOS 2−1399
LSI consisting of threshold elements, adaptive electrical calcs. method 2−19636
LSI memory chip manufacturing processes and systems 2−15015
MC 145 151/2, Motorola ICs, for freq. synthesis *(French)* 2−24427
memory and microprocessor circuits development, LSI technology trends *(Italian)* 2−5254
memory chip-select address decode circuit, programmable 2−24534
MESFET devices and ccts., radiation tolerance 2−14863
MESFETS, optoelectronic control using laser beams 2−5361
MIC linear amplifier design and fabrication techniques 2−943
microelectronics, present and future, review *(Czech)* 2−9678
micropower switched capacitor biquadratic cell, using CMOS invertor 2−19791
MIS LSI, testing *(Russian)* 2−9738

field effect integrated circuits continued
MK5316 Codec and filter chip in CMOS technology from Mostek 2—6660
MNOS LSI memory testing, physical approach 2—1457
MNOS memories, accelerated testing of time related parameters 2—15029
MNOS memory element structures, degradation phenomena, mechanism 2—9664
MNOS non-volatile memory, temperature accelerated estimation of reliability 2—15025
MNOS nonvolatile memory technology at Sandia National Labs., USA, EAROM, RAM and EEPROM appls. 2—15035
MNOS UV light programmable nonvolatile memory devices 2—9102
MOS, active-C network synthesis 2—24600
MOS, elec. resist. of CVD-BN passivation film determ. from gate charge decay time 2—9660
MOS, for digital filtering and level detection 2—5290
MOS, new technique for input protection testing against electrostatic damage 2—15033
MOS, procedure for testing electrostatic discharge susceptibility 2—15031
MOS, props. of Si semiconductor material *(Russian)* 2—14619
MOS, self aligned polysilicon oxidation, double source-drain ion implantation technique for VLSI 2—25359
MOS, time-zero dielectric reliability test by a ramp method 2—15032
MOS 16 channel analogue signal multiplexer, design and testing 2—9750
MOS 45 ns fully static 16K ROM design and fabrication 2—14102
MOS 4K×8 dynamic RAM with on-chip self-refresh 2—24524
MOS 64K×1 bit fully static RAM design and fabrication in 16 pin DIP 2—24525
MOS analog and digital LSI circuit for documents optical reading [for facsimile transceiver] *(French)* 2—16081
MOS analogue switched capacitor circuits, clock feedthrough cancellation technique 2—24589
MOS circuits, developments 2—5758
MOS device fabrication using X-ray lithography 2—20402
MOS device for AC meas. of surface impedance for moisture meas. 2—22239
MOS device performance, O impurity in Czochralski Si substrates influence *(Japanese)* 2—9737
MOS devices, fringing field effects, three-dimensional model 2—9672
MOS diffusion source, appl. of ion implanted layer 2—5801
MOS digital LSI ccts., stroboscopic SEM with travelling blanking pulse 2—25340
MOS dynamic RAM, buried oxide, experimental study 2—1451
MOS dynamic RAM, soft error 2—9100
MOS fabrication using laser beam recrystallised polycrystalline Si films 2—20066
MOS five detector IC, with digital and analog functions 2—14263
MOS IC static equation representation *(Russian)* 2—5811
MOS IC technology, atmospheric-pressure CVD system for deposition of SiO_2 and P_2O_5-SiO_2 glass films 2—13843
MOS IC technology, Si MOSFET fabrication using neutron transmutation doped Si as semi-insulating substrate 2—20424
MOS ICs, logic simulation based on information from masks 2—25362
MOS imaging devices for TV cameras, single-chip implementation, monochrome/colour appls. 2—24887
MOS ionisation dosimetry device fabrication and testing 2—17434
MOS logic ICs, low voltage high performance, fabrication technique 2—14991
MOS LSI, device scaling limits, effect on performance indicators 2—20413
MOS LSI, devices with buried-channel, graded drain with punch-through stopper, characts. 2—20415
MOS LSI, low freq. harmonic distortion 2—20400
MOS LSI, plastic encapsulated Cu lead frame-epoxy die attach packaging system, reliability study 2—13293
MOS LSI CAD, automated cct. parameter optimiser 2—15021
MOS LSI circuit totally self-checking functions 2—1464
MOS LSI design, mixed-mode simulation in MOTIS system 2—19634
MOS LSI fabrication, appl. of electron beam exposure direct writing system 2—20401
MOS LSI memory fabrication using direct write electron beam lithography 2—20419
MOS LSI technology, 1 μm Mo gate with MNOS and Si_3N_4+CVD SiO_2 passivation struct. 2—20418
MOS LSI technology, 256K RAM development *(Japanese)* 2—25346
MOS memories, future in telecommunications 2—9742
MOS Microcell layout method, for VLSI, semi-custom IC fabrication for digital systems 2—14930
MOS monostable multivibrator with time constant cct. at source 2—19637
MOS RAM, dynamic, refresh time degradation by irradiation of alpha particles 2—1452
MOS static 4 bit microprocessor used for education of engineering students 2—14172
MOS static RAM, 4K×1, enhanced performance, use of optically-defined submicron devices 2—19686
MOS switched capacitor integrator, eliminating operational amplifiers 2—14244
MOS switched capacitor ladder filters, simplified structure 2—19781
MOS switched-capacitor networks, topological anal. *(German)* 2—19526
MOS technology, high press. oxidation of Si by pyrogenic or pumped water techniques 2—20411
MOS technology, review of evolution and current state-of-the-art 2—15022
MOS transistor technology simulation *(German)* 2—14526
MOS universal asynchronous receiver/transmitter on-chip bit-rate generator *(German)* 2—19745
n-MOS VLSI, electron-beam direct writing technology, overlay and linewidth accuracies 2—20406
MOS VLSI, micron- or submicron-range, thin gate insulator technology 2—20420
MOS VLSI, Si crystal substrate processing for 1 micron technology *(Japanese)* 2—25349
MOS VLSI, technology and design challenges 2—15036
MOS VLSI, thin gate insulator process, high-press. low-temp. oxidation technique 2—20421
MOS VLSI, totally silicided conductors, transmission line models, contact resist. calc. 2—20428
MOS VLSI CAD, integrated design automaton system DAMOS 2—1463
MOS VLSI fabrication, electron beam direct writing technology for micron and sub-micron struct. 2—20412
field effect integrated circuits continued
MOS VLSI static RAM cell, polySi-resistor scaling rel. to performance 2—19683
MOS VLSI structures, neutron-induced hard errors study 2—14970
MOS volume and tone control IC, for Hi-Fi audio 2—22008
MOSFET, electrolytic ion concentration sensor *(French)* 2—16968
MOSFET, overvoltage protection circuit including fuse and zener diode 2—689
MOSFET, radiation hardness on submicron NMOS 2—15004
MOSFET, ultrasmall, technology challenges, VLSI appls. 2—15013
MOSFET devices, hot carrier effects, injection and surface trapping 2—25262
MOSFET fabrication, plasma etching poly-Si and Si_3N_4 in SF_6, impact on MOS device characts. 2—9572
MOSFET testing *(German)* 2—14994
MOSFET VLSI, capacitance of interconnection lines, calc., comparison with computer solns. 2—15009
MOSFET VLSI interconnection delays 2—14997
p-MOSFETs, submicron size for VLSI, expt. results 2—25357
MOST, developments, limitations *(Italian)* 2—20254
MOST, short-channel, fabrication and performance 2—25267
Motorola 64K RAM, design and development 2—19673
MSI devices, single-event upset study 2—14059
MT8980, digital switching chip for telecommunications 2—6661
multi-MOS structure for VLSI layout CAD 2—14989
multifunction digital signal processing chip, 40 MHz, using NMOS technology 2—19758
n-channel enhancement-mode MOSFET characteristics from 10 to 300K 2—20259
n-channel MOS technology, high-pressure oxidation fabrication process 2—25361
N-well CMOS RAM for high density dynamic memory appls. 2—19687
narrow width MOSFET including tapered oxide and doping encroachment, threshold voltage prediction 2—20258
negative resist for 1 micron MOS process, chloromethylated polystyrene CMS *(Japanese)* 2—25110
NMOS, 12 bit array multiplier-accumulator, for digital signal processing 2—14090
NMOS, scaled, TMS2149 static RAM 2—14097
NMOS, switched-capacitor voltage wave pseudobandpass filter 2—821
NMOS 1K memory, susceptibility to conducted electromagnetic interference 2—19676
NMOS 20 ns low power 1K×4 static RAM design and fabrication 2—14103
NMOS 30 ns 16K×1 fully static RAM fabrication 2—24519
NMOS 32-bit microprocessor with virtual memory support 2—14149
NMOS array multiplier compact, with inverting full adders 2—5183
NMOS comparator, for bubble memories 2—20531
NMOS dynamic RAM in plastic packages, reliability evaluation in high humidity and temp. environments 2—25356
NMOS fault-tolerant 30 ns/375 mW 16K×1 static RAM fabrication 2—24518
NMOS FET structure for submicron level VLSI, minimization of channel hot-electron injection 2—20416
NMOS high speed 16k×1 static RAM 2—5181
NMOS high-speed operational amplifier fabricated using VLSI technology 2—24407
NMOS ICs for telecommunication equipment, technical problems of analogue blocks *(Hungarian)* 2—14995
NMOS linear photodiode arrays, for autofocus system for lens shutter cameras 2—20708
NMOS logic LSI fabrication, 2 micron, PARCOR CODEC appl. *(Japanese)* 2—25347
NMOS LSI, electro-thermomigration of Al metallisation 2—15034
NMOS memory devices, reliability of standard screening techniques 2—13324
NMOS microprocessors, 16-bit, single event upsets for cyclotron-produced neutrons 2—14152
NMOS microprocessors Z80A and Z8002, total dose response 2—14154
NMOS op. amp., chopper stabilisation using feed-forward techniques 2—19569
NMOS process, submicron transistor fabrication, radiation effects of electron-beam lithography 2—15010
NMOS RAM, voltage breakdown characteristics compared with accelerated life tests and field use data 2—15026
NMOS single-layer poly technology used for 32 bit execution unit 2—14174
NMOS submicrometre device fabrication using masked ion-beam lithography 2—20407
NMOS switched-capacitor voltage wave filter, prototype 2—19780
NMOS technology, anisotropic/selective reactive ion etching of poly-Si using SF_6 2—20408
NMOS technology, in Motorola single chip MC6801, circuit details and operations *(Italian)* 2—5249
NMOS transistors, ^{60}Co radiation effects on laser annealed SOS 2—15000
NMOS VLSI, hierarchical design supported by integrated CAD-system 2—15037
NMOS VLSI memories, β-radiation damage in hermetically sealed devices 2—15027
NMOS VLSI process for fabrication of 32-bit CPU chip 2—14148
nonrecursive digital processor for filter arithmetic, NMOS LSI 2—5260
operational amplifiers, bias current measurement 2—19556
PMOS VLSI design course with an NMOS text 2—9746
probe for ocean wave height meas. using capacitance change, appl. 2—22727
PROM, 512 bit, fabrication using PMOS technology *(Korean)* 2—14117
PROM, electrically alterable, fabrication using SiO_2 insulating layers 2—20409
PROM programmer design technology, using MOS structures *(Italian)* 2—19660
RAM, quadruply self-assigned stacked high-capacitance, using Ta_2O_5 high-density VLSI dynamic memory 2—24529
RAM fabrication, double polysilicon, lightly doped drain SiO_2 spacer formation controllability improvement 2—5819
RCA single chip CPD 1804 microcomputer family, CMOS technology and architecture *(Italian)* 2—5250
RCMOS invertor, complementary pair MOS transistors and resistor, static and dynamic behaviour analysis *(Croatian)* 2—24401
read-only storage array cell having late personalization using poly-Si resistor 2—25355

field effect integrated circuits continued
real-time programmable switched capacitor bandpass filter 2−14217
recognition and verification of bipolar and MOS circuits from layout information 2−25337
self-aligned silicide conductors in FET integrated circuits 2−15007
semi-custom VLSI ccts., selection and implementation 2−25350
simulation of MOS integrated circuits 2−25366
single channel PCM codec with voice band filters, LSI development *(Japanese)* 2−26317
single-channel PCM voice CODEC in NMOS technology 2−26316
single-device-well MOSFETs, scaled down, device merging for VLSI 2−5824
SIPMOS in combinatorial circuit elements *(German)* 2−5813
SIPOS-Si structure fabrication, washed emitter method 2−1459
SOS technology developments, international survey *(German)* 2−5822
SOS VLSI fabrication by ion implantation, SUPREM-like 2D process simulator, field implant redistrib. 2−20426
SOS VLSI feasibility study, capacitance anal. in downward scaling, thin film quality improvement 2−20427
SOS/CMOS deep depletion technology for fabrication of 4K static RAM *(French)* 2−14126
spacer technology, using electroless plating 2−5818
static 16K-bit INMOS RAM, appl. *(German)* 2−24503
static FET chip CAD, DC design and AC anal., complex logic functions 2−5161
static field-effect RAM, on-chip array stabilisation 2−5815
submicron, device modelling hierarchy 2−9747
switched capacitor filters, monolithic realisation, audio engineering appls. 2−19774
switched capacitor MOSLSI networks, simulation with DIANA 2−24362
T-88000, 16-bit microprocessor using CMOS on sapphire technology 2−5242
Taper Isolated dynamic RAM cell as memory element in sub-hundred nanosecond dRAM 2−19685
thyristor controlled AC loads, interfacing with digital circuits 2−5208
TTL type components, macromodel formation *(Russian)* 2−9605
two-device bistable memory circuit without feedback loop 2−19680
video selectivity block for television receivers 2−2890
VLSI, automatic test pattern generation 2−1462
VLSI, comparison of new technologies, possibilities and limitations 2−14926
VLSI, merged single device well MOSFETs 2−15024
VLSI, modelling and meas. of two dimensional low conc. B profiles 2−1450
VLSI, reliability implications of polyimide multilevel insulators 2−9744
VLSI, role of test chips in coordinating logic and cct. design, and layout aids 2−9740
VLSI 32-bit CPU chip in n-channel Si gate self aligned technology, design philosophy 2−14147
VLSI design and simulation, Transistor Electrical Characterisation and Analysis Program, TECAP 2−5064
VLSI dynamic RAMs, alpha-particle effects, simulation models, collected charge in 1 μm devices 2−19682
VLSI dynamic RAMs, open data/folded data line cell struct., stacked capacitor N-well P-MOS cell structs. 2−19684
VLSI dynamic RAMs electron-beam testing 2−19692
VLSI fabrication using IGFET process technology, optimum silicide systems as gate electrode/interconnect 2−20423
VLSI fabrication using short-channel MOSFETs asymmetric device effects, appl. to NMOS Si-gate technology 2−20414
VLSI FET memories, dynamic RAM cell with readout gain, high α-particle immunity 2−14116
VLSI MOS 1 micron process technology, 256 kbit MOS RAM appl. *(Japanese)* 2−25348
VLSI MOS selective oxidation technology 2−9574
VLSI MOSFETs, bulk charge effects 2−15016
VLSI submicron MOSFET design using SUBMODAN process/device simulation system 2−20425
VLSI technology, refractory metal silicides appl. 2−5821
VLSI/SOS circuits testing, by SEM voltage contrast technique 2−5825
wafer, non-charging electron beam pulse prober 2−15018
Z 2−7065
ZyP IC cell library for custom CAD 2−14990
CMOS/SOS VLSI sub-μm transistor gate, electron-beam/optical hybrid lithog. 2−20405
GaAS unity-gain differential amplifier, test vehicle for IC technology 2−19578
GaAs *(French)* 2−14040
GaAs, digital, sub-μm transistor gate, electron-beam/optical hybrid lithog. 2−20405
GaAs digital ICs for appl. above 1 GHz *(French)* 2−14046
GaAs, digital monolithic IC development *(Czech)* 2−9739
GaAs FET, hybrid and monolithic broadband low-noise-and-power amplifiers using feedback techniques 2−5350
GaAs FET appls. in microwave integrated systems 2−24719
GaAs FET logic IC technology, ultrahigh speed, ring oscillator and freq. divider structs. *(Japanese)* 2−14075
GaAs FET receiver for 12 GHz satellite TV broadcasts 2−21951
GaAs high speed IC technology *(French)* 2−14988
GaAs IC fabrication, ion implantation and processing schedules 2−25364
GaAs, IC fabrication, selective epitaxy and electron beam lithography 2−5823
GaAs ICs, for gigabit logic applications 2−14091
GaAs integrated circuit technology, future trends 2−14993
GaAs ion-implanted enhancement/depletion-type MESFET IC technology 2−20397
GaAs JFET, planar normally-off, for high speed logic ccts. 2−19618
GaAs JFET static RAM design 2−14130
GaAs LSI digital IC, review 2−15012
GaAs logic ccts. for spacecraft 2−25341
GaAs logic ICs, review and exemplification *(Japanese)* 2−19633
GaAs MESFET, ion implanted, threshold voltages 2−25343
GaAs MESFET digital ICs for very high speed freq. division 2−9061
GaAs MESFET high speed static RAM technology and design 2−14131
GaAs MESFET logic gates, effect of cell configuration, gate length and fan-out on propag. delays 2−24481
GaAs MESFET microwave mixers, theory and appls. 2−19863
GaAs MESFET quasi-normally-off for high speed frequency dividers 2−20398
GaAs microwave power FET device and circuit technologies, advances, CAD 2−24706

field effect integrated circuits continued
GaAs monolithic FET ICs, used for high-gain X/Ku-band amplifiers 2−5356
GaAs monolithic ICs, review *(Czech)* 2−15017
GaAs monolithic low noise X-band amplifier 2−24418
GaAs monolithic microwave power FET amplifiers 2−944
GaAs monolithic microwave circuits for broadband appls. *(German)* 2−949
GaAs Schottky diode FET logic ICs, special considerations in probing and packaging 2−25365
GaAs, Schottky-barrier coupled Schottky-barrier gate FET logic inverter, speed-power props. 2−5808
GaAs Schottky-gate FET capacitor-coupled logic cct. fabrication by direct electon beam exposure 2−20404
GaAs substrate with GaAlAs multi-layer slab waveguide growth for integrated optics appls. 2−6051
GaAs, ultrabroadband monolithic amplifier 2−13978
GaAs VLSI for high speed, high density appls. 2−20410
InP, fabrication of n-channel MISFETs for logic appl. 2−25223
InP MISFETs, n-channel, enhancement and depletion mode, fabrication for logic appls. 2−25263
InP, microwave MISFET technology 2−1396
$MoSi_2$ MOS structures, edge defined patterning 2−9733
Si, amorphous, FET, application in integrated circuits 2−5805
Si, amorphous, IGFET, appl. to integrated logic circuits 2−25244
Si, double-poly, MOSFET devices, Z 2−25360
Si MESFET digital circuit techniques 2−14996
Si-on-insulator approaches to VLSI 2−25363
Si-WSi_2 polycide, 1 μm, in MOSFET technology 2−9736
SiO_2 on Si, reactive ion beam etching using fluorocarbon ions 2−15014
SiO_2:N dielectric films, Mrad electron irrad. tolerance, for IGFETs 2−25353
WSi_2 interconnection for VLSI circuits 2−15020
WSi_x-Si:P annealing behaviour, effect on MOSFET IC device fabrication 2−5820

field effect transistor circuits
Used for general papers and papers where the use of field effect transistors is significant
12 GHz receiver with a self-oscillating dual gate MESFET mixer 2−19866
analogue commutators static error analysis 2−14254
bipolar variable current source using power MOSFET *(German)* 2−13946
C-band FET amplifier for TWTA replacement in spaceborne communication transponders 2−5349
doorbell cct. for country house, optimal use, using MOSFET *(Italian)* 2−14259
electromagnet currents control using power FET chopper cct. 2−5103
FET-bipolar amplifier for active antennas *(Czech)* 2−6374
heavy nuclei fission expts. automation with TPA-i1001 minicomputer 2−7289
HEXFET integral reverse rectifier, charact., appl. 2−5079
HEXFET power supply, X-ray dose tolerance 2−24393
HEXFETs in high power circuits *(German)* 2−14856
high impedance analogue multiplier using VMOSTs and op. amp. 2−885
HV FET driver circuits 2−19542
JFET thick film hybrid IC for severe temp. and radiation environments 2−9337
junction FET amp., operation at high temps. 2−19573
linear pulsed amplifiers with distributed gain using MOS transistors 2−8997
low-noise digital radio receiver with AGC of single-gate GaAs FET 2−2667
microwave amplifier, wideband, high gain, using GaAs FETs 2−24411
modular power supplies, 200 kHz, charact. 2−5090
MOSFET switching power supply design 2−13939
non-overlapping clock generator 2−24571
operational amplifier input protection *(Italian)* 2−5117
pulse driver, with short controllable pulses 2−5147
self-biased amplifier, gain stabilisation against temp. variation 2−725
self-oscillating meters with Λ-diodes, design 2−26827
sine wave generation, using quartz controlled crystal oscillator *(Italian)* 2−5143
solid-state circuit composed of FETs and inverted Darlington pairs of transistors, temp. charact. 2−5075
timing circuit, long period, using FET clock, bipolar transistor, SAJ 141 IC, relay *(Spanish)* 2−24631
tuning circuit of high selective factor using reactance circuit 2−9185
UHF ultra-low noise cryogenic FET preamplifier 2−19572
VHF power amplifier design using VMOS power FET *(German)* 2−5118
VMOS constant current power supply 2−713
VMOS FET ccts. for direct and reverse phase control *(Spanish)* 2−25253
VMOS FET power amplifier, class E, 0.5 to 10 MHz, for driving piezoelectric US transducers 2−728
VMOS technology, appls. 2−25232
VMOS transistors, used in LF amplifier design 2−24412
waveguide cavity FET oscillator 2−14301
wideband microwave amplifiers for airborne electronic warfare system 2−5360
Wien-bridge oscillator with high-amplitude stability 2−14001
GaAS two stage FET low noise amplifier, for freq. range 3.7 to 4.2 GHz 2−24417
GaAs, connected to make broadband X-band pulsed amp. 2−24420
GaAs FET amplifier, for UHF SQUID magnetometer, at 4.2K 2−16926
GaAs FET amplifier, low noise 10.7 GHz 2−19553
GaAs FET amps., CAD for optimum size and performance, EW appls. 2−24419
GaAs FET microwave balanced wideband amplifier *(French)* 2−19864
GaAs FET power combining with travelling-wave combines amplifier 2−9217
GaAs MESFET, 4 GBit/s pseudo-noise generator 2−14191
GaAs MESFET X-band oscillator, optically frequency modulated 2−14300

field effect transistors
see also field effect integrated circuits; insulated gate field effect transistors; junction gate field effect transistors; Schottky gate field effect transistors
PIN-GaAs FET preamplifier modules, photodetectors for 0.9 to 2.1 μm waveband 2−3168
ballistic transport obs. by noise meas. 2−25249

field effect transistors continued
channel noise model, impedance field method, mathematical formulation 2−25268
charge centroid determination in field-effect experiments 2−25245
charge flow transistor for elec. monitoring of resin cure 2−631
chemical field effect transistors based on Langmuir-Blodgett films *(German)* 2−25230
CMOS FET with p-channel devices using $IrSi_x$ 2−1453
digital wrist-watches performance improvement by using 4.2 MHz quartz oscillator 2−26968
fabrication process, improved performance characts. 2−1376
III-V semiconductor devices, MBE progress 2−24308
K-band analysers, for FET measurement 2−22373
laboratory manual, book 2−25257
low-temperature characteristics and appls. *(Chinese)* 2−9594
MBE technology, review 2−13831
operation close to cutoff, anal. of nonlinear props. 2−9666
power switching with cascoded HEXFETs and bipolar transistors 2−14813
TV Satellite, using FET technology 2−11017
unipolar approxiamtion analysis program, device simulation appl. *(Japanese)* 2−25173
video amplifier appls. *(French)* 2−14885
VMOS RF power amplifiers, automatic gain control *(German)* 2−5119
GaAs appl. examples *(French)* 2−1383
GaAs, Bridgman and LEC pulling growth methods, ion implanted 2−1393
GaAs dual-gate FET anal. using bidimensional DC transfer charact. 2−5749
GaAs effect of materials props. on RF performance 2−1390
GaAs FET, low noise UHF amplifier 2−14305
GaAs FET, short-gate, ballistic transport 2−25250
GaAs, FET development beyond 20 GHz, impact on communications 2−14296
GaAs FET noise characterization at 18 and 20 GHz using noise waves model, computer implementation 2−24708
GaAs FET operating function temp. meas., elec. thermal testing for quality control 2−14875
GaAs FET oscillator, X-band, low noise design rel. to active device, overall FM noise 2−24712
GaAs FETs for HF communications 2−14855
GaAs, material growth techniques, comparison of FET performance 2−1380
GaAs microwave power FET device and circuit technologies, advances, CAD 2−24706
GaAs planar devices, interface traps, DLTs and PITs methods 2−1397
GaAs, plasma etched via connections 2−1388
GaAs power FETs, reliability and life testing 2−25237
GaAs, single step selective implantation technology using proximity annealing, 10 GHz FET fabrication 2−9550
GaAs, technological review, HF device appl. 2−20074
GaAs, transient and DC response 2−3169
GaAs-$Al_xGa_{1-x}As$ heterojunctions, transport props., TEGFET and tunnelling device appls. 2−25068
GaAs-FET 2−9229
InGaAs/InP heterojunction phototransistors performance comparison with p-i-n FETs and APD-FETs, optical fibre communication systems 2−20745
$In_{0.53}Ga_{0.47}As$-InP FET, short-gate, ballistic transport 2−25250
InP, low-noise capless annealing 2−1319
$PbTiO_3$ ferroelectric thin film, prep. by sputtering and laser annealing, device appls. 2−1509
Si, amorphous, FET, application in integrated circuits 2−5805
Si, amorphous, FET with staggered electrodes, current path 2−25246
a-Si, field effect and substitutional doping 2−25016

field emission, electron *see electron field emission*

field emission, ion *see field ion emission*

field emission electron microscopes
see also field emission electron microscopy
No entries

field emission electron microscopy
see also field emission electron microscopes
No entries

field emission ion microscopes
see also field emission ion microscopy
No entries

field emission ion microscopy
see also field emission ion microscopes
No entries

field intensity patterns (antenna) *see antenna radiation patterns*

field ion emission
high vacuum accelerator tubes, prebreakdown and breakdown processes, review 2−11733
liquid metal field-emission ion sources 2−3354

field ionisation
No entries

field measurement, electric *see electric field measurement*

field measurement, magnetic *see magnetic field measurement*

field plotting
see also field strength measurement
hyperbolic electrode research appls. *(Portuguese)* 2−10409
magnet computations, recent development, review 2−2077
particle spectrometer magnet, mag. field mapping, search coil method 2−11592

field strength measurement
see also electric field measurement; magnetic field measurement
audible field-strength meter 2−17032
feed impedance of loaded λ/4 vertical antennas and the effects of earth systems 2−26047
mobile radio systems, direct measurement, computer prediction techniques 2−16379
radio, Norwegian outdoor measuring station *(Norwegian)* 2−26597
sensitive field strength meter, design and appls. 2−11525
VHF and UHF field strength computerised prediction system for grid-coordinated terrain information *(Japanese)* 2−6326
VHF/UHF signal strength meas., automated logging and analysis system 2−16888

field theory, electromagnetic *see electromagnetic field theory*

fields, electric *see electric fields*

fields, magnetic *see magnetic fields*

filament lamps
bulb temperature determ. *(Russian)* 2−4460
digital electronic displays, construction and operation review 2−17049
energy-conserving, with multi-layer heat mirror coating 2−13057
feeding incandescent bulbs/ by stabilisation of power/ *(Russian)* 2−4462
measurement, pseudobalance of four-arm bridges supplied with sinusoidal voltage 2−17044
metal halogen lamps for plant breeding houses illumination *(Hungarian)* 2−23730
miniature incandescent, as emitters in optoelectronic devices, dynamic model *(Russian)* 2−18744
miniature lamp performance characts., ageing 2−13061
quartz tungsten infrared lamp for domestic heating appliances *(Japanese)* 2−8101
quartz-iodide lamp for testing head-up in avionics displays 2−7377
recent developments in light sources *(Japanese)* 2−13053
W, heterogeneous reactions and chemical transport 2−4459
W wires for filament lamps, quality study *(Russian)* 2−18745
W-Br lamps, getter behaviour *(Japanese)* 2−8072

file management *see file organisation*

file organisation
see also data handling; data structures; database management systems; storage management and garbage collection; virtual storage
computer network file transfer method between DEMOS-E, DRESS *(Japanese)* 2−6588
maintenance system for large scale software in data communication systems *(Japanese)* 2−6594
online file memory, large capacity, DIPS operating system for data communications *(Japanese)* 2−6592

filled polymers
epoxy resin, dielectric anal. appl. 2−19460
ethylene-vinylacetate copolymer, C loaded, resist. and positive temp. coeff. of resist., correl. with C black parameters 2−25391
fillers props. influence 2−5036
Plamac engineering plastic magnet, characts., appls. 2−19462
polymer thick film resistors using C-black, percentage var. of resist. 2−24729
quartz filled bisphenol epoxy HV DC insulation, effects of quartz fillers 2−5867
shielding effectiveness of filled composites and coated plastics 2−21155

films
see also adsorbed layers; coatings; foils; Langmuir films; liquid films; optical films; polymer films; thick films; thin films
No entries

filtering and prediction theory
see also information theory; Kalman filters; random processes; Walsh functions
2-D recursive digital filters, necessary and sufficient conditions 2−6442
adaptive approach to suppress powerful impulsive interference 2−26131
adaptive noise-like signal receiver with optimal weights, characts. and loss of noise immunity 2−10698
adaptive prediction for DPCM coding of TV signals 2−15821
adaptive transversal filter, stationary characts. 2−21355
asymptotically unbiased trace filter with constant parameters *(Chinese)* 2−13328
atmosphere pressure field, eigenvector filtering of three-dimensional data 2−7433
attitude reconstitution, dynamic method based on Sun-Earth colatitudes 2−27237
compound Weibull model, Bayesian predictions 2−4788
computer generated double phase holograms, image deblurring appl. 2−25874
continuous-digital filtering, lower reading freq. limit 2−10696
convergence of adaptive filtering with decreasing step-size in the presence of correlated observations *(French)* 2−21331
cross-correlator for signal detection/estimation in noise, optimum and sub-optimum filters, comparison 2−2343
cumulation methods of signal processing *(Czech)* 2−26126
data transmission employing class 4 partial response coding and SSB modulation, effect of channel filtering 2−15812
defect charact., adaptic filtering appl. 2−8876
differential PCM, probability charact. of estimate of message 2−21267
digital filter, for realizing algorithm for Fourier transformation, errors in quantizing filter coeffs. 2−10694
digital filter, low-noise, cost-optimal, new approach to design 2−15895
digital filters, recursive 2-D, symmetry exploitation in design and imple mentation 2−6431
digital filters, spectral transformations 2−6441
digital signal processing, median filtered sequences of independent data, second moment props. 2−2332
digital signal processor implementation of precise freq. determ. using adaptive filtering 2−6461
discrete minimal-order optimal estimator, simple derivation 2−15878
discrete-time adaptive filter for stochastic distributed parameter systems 2−10702
discrete-time equivalent of continuous-time filtering proceses 2−26136
dynamic programming appl. 2−2371
dynamic programming appl. in picture and signal processing 2−2330
error feedback digital filters, low-roundoff noise and low sensitivity structures 2−5293
evoked potential research, appls. of filtering and pattern recognition in signal processing 2−22559
explicit filtering, comparison with implicit 2−21346
filtration problem, free boundary convexity 2−8409
FIR delta modulation digital filter performance 2−15898
flexibile spacecraft, altitude estimation and control using inertial and optical measurements 2−7361
Fresnel ripples, effect on sidelobe suppression in low time-bandwidth product linear FM pulse compression 2−21344
identification of stochastic linear systems in presence of input noise 2−10681
image enhancement, combination of iterative projection method of restoration with adaptive noise reduction, fixed S/N ratio filter 2−2389
implicit filtering, comparison with explicit 2−21346
incoherent correlation filtering of composite signals 2−2234
inertial guidance sensors, conf., London, England, (Oct. 1980) 2−4579

filtering and prediction theory continued
interval procedures, Monte Carlo studies, optimal allocation of computer time 2−19118
jamming signals, optimal windows for spectral measurements in noisy environments 2−21361
linear discrete dynamic system, parameter estimation, filtering problem under conditions of ambiguous meas. 2−22032
linear prediction applied to medical signals 2−17341
linear transform for spectral estimation 2−6432
lower bound on mean-square filtering performance criterion in quasilinear systems with incomplete information 2−21329
maximum entropy and spectral estimation, review 2−15896
median filters, statistical properties 2−2339
median filters, theoretical analysis of properties 2−15893
minimum entropy filtering operator, asymptotic behaviour *(Chinese)* 2−13732
molten steel temperature measurement signals, appl. of pattern recognition anal. filtering *(Polish)* 2−11653
moving object picture anal., TV methods, optical spacial image filtration and automatic hologram anal. *(Russian)* 2−2387
multiplicative FIR filters, properties and applications 2−15892
narrow-band interference suppression, comparative study of two adaptive algorithms 2−26132
near optimum delay-line detection filters for serial detection of MSK signals 2−2361
nonstationary time series model, fitting by recursive filter 2−13464
optical target tracking, probabilistic approach 2−10704
optimal nonlinear one-step predictors, random processes 2−15884
PAM, pre- and post-filtering of deviational noise *(Russian)* 2−2243
periodic clutter cancellation filter for microwave radar signals, freq. charcts., S/N ratio improvement 2−2821
postdetector comb filters, approx. of probability density at o/p 2−10697
power system dynamic fit and equivalent optimal control using system identification method *(Chinese)* 2−7467
power transformation family, prediction 2−13443
process diagnostics, for large scale systems, current methods and new techniques based on filtering theory 2−8300
quantum filtering of Markov signals, in presence of quantum white noise 2−2232
radio signal pseudorandom signal filtering in presence of similar drifting interference, algorithm stability 2−2349
recursive digital filter, design of optimal first-order quantizer structure 2−15902
recursive moving target indication filters with finite number of samples, performance 2−21345
reverse ladder linear predictor 2−19511
satisficing process from the perspective of extended topology 2−8448
signal extremum seeking and estimation by digital optimal linear filtering 2−21328
signal frequency-wavenumber estimation, two-dimens. linear prediction technique 2−15910
signal reception in microwave and optical wavebands, max. S/N ratio 2−15917
SIRIO-2 LASSO mission, orbit determ. simulations using laser ranging data 2−27244
sonar, coherent frequency-bearing tracker based on Kalman filter theory 2−26558
sonar data analysis, filtering techniques 2−16519
spacecraft attitude and sensor parameters estimation, using adaptive filtering 2−22592
speech data compression systems using inverse filter codebook 2−10667
speech encoding, residual-excited linear prediction coder, 4.8 kbit/s, intelligibility and quality 2−2303
stability theorems, 1-D and 2-D, for discrete systems 2−15903
stable reduced-order adaptive IIR filtering 2−15904
statistical information processing system for prediction and control 2−288
stochastic processes, periodicity involvement, modelling and prediction 2−227
time freq. filtration accompanying synchronisation *(Russian)* 2−2334
tracking filters closed-form solutions 2−21854
two dimensional state-space digital filter, stability and overflow oscillations 2−15894
two-dimensional Kalman filter, use in statistical quality control of channel, sensitivity anal. 2−2348
VHF transponder, EMI design prediction and test results 2−11015
visual prosthesis, image processing algorithms 2−11967
voiced speech, windowing in linear prediction anal. 2−10661
weak signal detection in non-Gaussian noise zero-memory nonlinearity prior to matched filter 2−10689
Wiener estimator for inversion of linear operators and superresolution 2−10706
Wiener filtering, extension of two dimensions 2−21257
zero-input limit cycles, accessibility 2−6435

filters
see also active filters; all-pass filters; band-pass filters; crystal filters; digital filters; electromechanical filters; high-pass filters; Kalman filters; low-pass filters; matched filters; microwave filters; notch filters; optical filters; passive filters; radiofrequency filters; spatial filters; switched filters
adaptive, description and algorithms for control 2−14200
adaptive corrector for nonlinear amplitude distortion of speech in audio recordings 2−15868
adaptive filters, appl. to cardiology, review 2−7333
analogue matched filters for detection of PN-PSK coded signals 2−6456
anti-aliasing filters with Chebyshev behaviour in passband 2−19760
arbitrary-phase polynomials generated by recurrence formulae, used for filter transfer functions 2−8938
CRT anti-glare filter, customer installable 2−24883
design, book 2−13200
design, handbook 2−4570
edge-detection filter, optimal design in time domain 2−19763
half-plane recursive, new design approach 2−9135
harmonic analysis, PILOTY program, appl. to filters *(French)* 2−19505
linear filters, Grassmann manifold-based theory 2−13923
loudspeaker crossover network, improved second order Butterworth dividing network 2−21997
low frequency filter constr. details, Hi-Fi appl. 2−26668
mel-sone spectrum approximation filter 2−19762
micropower filter for rejection of monophasic and biphasic artefact and noise 2−3497
nonuniform coupled transmission filters, coupled mode analysis *(German)* 2−19515
partial response data transmission filters, optimal design 2−5273
phase calculation, Hilbert 2−661
phase filter synthesis, cascade phase-sensitive detector 2−14199
picture quality of component digital television systems, effects of analogue filtering 2−16638
PLLs with integrating and non-integrating loop filters for timing recovery in repeater chains 2−19594
polarisation-vector processing to increase detection capability of a radar system 2−2816
quadratic phase-frequency charact., response to linearly frequency-modulated pulse 2−815
RC filter vs. integrator data collection circuits for computerised tomography 2−27140
selective filter, dynamic error in measurement system *(Russian)* 2−16941
semiconductor filter, controlled, utilizing recombination waves 2−9609
solid-state circuits conference, Freiburg, Germany (Sept. 1981) 2−18869
square to sinusoidal wave converter filters, for electronic organ *(Spanish)* 2−11285
tracking, alpha-beta, adaptive correlation regions 2−21861
tracking, closed-form solutions 2−21854
transversal, analogue, programmable, spectral analysis appl. 2−11419
voltage source invertor-fed machines, influence of volts/hertz control on filter impedance effects 2−18255
Sc filtered neutron beam using separated isotopes as secondary filter 2−11706

filters, optical *see optical filters*

filtration
industrial pollution control by ultrafiltration of wastewater 2−27298
pressurised fluidised-bed combustion power plants, ceramic fibre filters for hot gas cleaning, evaluation 2−27747
steam power station condensate electromagnetic filter, proving tests 2−17987

fin lines
3 dB fin line printed probe coupler for 31 GHz 2−19844
asymmetrical fin-line junctions for MICs, spurious resonances 2−9209
balanced mixer, 94 GHz, fabrication using fin line circuitry and beam-lead Schottky diodes 2−19869
CAD basis for frequency-dependent characterization of strip, slot and co-planar components 2−24717
detectors, modulators, and switches, CAD 2−24449
e-type circulator for fin lines 2−916
equivalent reactance of shorting septum 2−9205
ferrite isolator for integrated MM-wave ccts. 2−24659
filters, low-insertion loss, design 2−24700
high-Q fin-line filters, 15 and 34 GHz, material and circuit eval. 2−5336
MIC fin-line receiver front-end, Ka-band, radar or radiometer noise reference appls. 2−24709
MM-wave transmission lines, comparative study 2−19841
quasiplanar 3 dB hybrid fin line coupler for MM wave ICs 2−24653
unilateral, equiv. cct. parameters of inductive strip discontinuity 2−19833

financial ADP *see financial data processing*

financial data processing
see also accounts data processing; bank data processing; corporate modelling; EFTS
automatic fare collection system using microprocessor, design 2−18697
automation of industrial electric energy consumers' accounting in Poland *(Polish)* 2−27360
copier access control feature with internal billing data 2−13120
electrical contracts EDP appl. in small business management *(German)* 2−23949
electricity tariffs analysis and energy usage monitoring, microcomputer appl. 2−22800
IC wafer process requirements and associated costs 2−14952

finite automata
colours mixing using cellular automata 2−17052
coverings of graphs of homogeneous synchronized automata 2−13559
ESS software development, SL1 specification language 2−2632
Skolem matrix emptiness problem 2−19285

finite element analysis
aircraft generator frame mode shapes and resonant freqs., finite element appl. 2−12037
approximation of nonlinear problems 2−24265
axial flux linear induction motors, rotor core flux densities, meas. and calc. 2−12665
bipolar semiconductor components simulation and anal. using TRANAL programming system *(German)* 2−1360
charged cloud emerging from vent stack, electrostatic field 2−10415
computer modelling of chopper controlled DC machines 2−4220
convection-diffusion equations, stability and error estimates of Galerkin finite element approximations 2−8678
coupled nonlinear ordinary differential equations, finite difference algorithm 2−13752
curved finite elements, boundary value problems 2−8756
DC permanent magnet machines, electronically commutated, digital simulation of power conditioner-machine interaction 2−27939
dielectric slab waveguide bounded by parallel plates, finite element anal. of discontinuities 2−26015
Dirichlet problem, abstract type *(Chinese)* 2−13787
discrete maximum principle for finite elements of higher order 2−536
DLIM eddy current and skin effect model 2−4145
dynamic models of tidal estuaries 2−23184
Earth electrical sounding, finite element modelling of data in three dimensions 2−3581
Earth EM induction sounding, finite element modelling of data in three dimensions 2−3581
eddy-current problems in non-mag. non-moving conductors, numerical anal. 2−10423
elastic bodies contact, finite element anal. 2−19286
elastic-plastic problems solution, existence and uniqueness, convergence of approx. solutions *(Chinese)* 2−19377
electric machines, mag. fields, permanent magnet effect, vector pot. finite element anal. 2−15208
electric machines magnetic field and transients calc., conf. at Athens, Greece (1980) 2−23240
electrical machine, magnetic fields determ. 2−4023
electrical machine design using finite elements 2−18176

finite element analysis continued
electron optics, rotationally symmetric systems, analytical pot. calc. strategy 2−25901
elliptic boundary-value problems 2−516
elliptic equations, on domains with corners, approximation 2−24260
elliptic integral equations solution *(French)* 2−13786
elliptic partial differential equations solution 2−531
elliptic problem, singularity calculating *(French)* 2−24221
EM field computation by finite-element parallel processor 2−15621
exterior Helmholtz problem FEM 2−24267
field-reversed axisymmetric plasma, equilibria and MHD stability calc. 2−8735
finite element mesh generation using a small computer with interactive raster graphics 2−4105
finite element solution of eddy currents in asynchronous generator rotors 2−4103
finite magnetic circuits method and its application 2−21024
finite-element solution of transient electromagnetic field problems in electrical machinery 2−4104
forced vibrational response integral equations model 2−8773
free edge interlaminar stress model 2−8728
frontal methods for solving finite-element systems of linear equations 2−445
gapless ZnO surge arresters, voltage distribution designs, expt. and calc. 2−12308
grid stretching in finite difference calculations 2−19376
homopolar linear synchronous permanent magnet motor magnetic field calc. model 2−12615
homopolar linear synchronous permanent magnet motor magnetic field calc. model 2−12616
HV DC cable accessories, nonlinear anal. of elec. field distrib. using finite element method *(Japanese)* 2−17724
HV insulating system analysis by finite element based method *(Croatian)* 2−27554
HVDC transmission lines ion flow field calc. 2−17748
impact of slot harmonics on losses of high-speed permanent magnet machines with a magnet retaining ring 2−23272
induction motor magnetic field distribution, computerised analysis *(Korean)* 2−12643
induction motors, polyphase and single-phase 2−18251
integrated circuit package thermal anal., rectangular parallelepiped finite element model 2−24821
ion extraction optics, slot end effect, finite-element code 2−11761
laminated composite shell structures 2−13738
Laplace equation boundary problem solving for finite element mesh generation *(Chinese)* 2−13723
laser DH diode, self-consistent static model 2−1947
linear synchronous homopolar motor magnetic flux calc. model 2−12618
linearinduction motor with solid iron back yoke and variable freq. drive, magnetic field calc. model 2−4154
magnetic bubble devices, dual conductor current access, computer simulation 2−15225
magnetic circuits, anisotropic and nonlinear, finite element analysis 2−21061
magnetic electron lenses and electromagnets, finite element anal. for mag. field distrib. calc. 2−2087
magnetic field distribution in two dimensional domains in nonlinear and anistropic media determination, appl. *(Italian)* 2−10420
magnetic fields, stationary, cylindrically-symmetrical, determ. by reduction to 2-D Cartesian field problem 2−21026
magnetic fluid seals for rot. shafts, finite element anal. 2−15235
magnetostatic Poisson's eqn., two-dimens., hybrid finite element-boundary integral soln. 2−15606
manufacturing methods model *(German)* 2−433
methods for calculating electric fields*/* of high voltage equipment*/* 2−4011
mixed finite element method for Stokes and Navier Stokes equations in a nonconvex polygon *(French)* 2−24262
multi-span heat exchanger tubes, tube-support interaction, analytical and expt. studies 2−7660
Navier-Stokes equation solution finite element method solution 2−19366
non-prismatic three-dimensional beam elasticity model 2−8771
nonaxisymmetric vibrations, use of basic element matrices 2−13656
nonhomogeneous boundary conditions and curved triangular finite elements 2−4952
nonlinear equations, axial symmetry with magnetic field distrib., finite element method anal. *(Chinese)* 2−13714
nonlinear parabolic equations, modified backward time discretisation using patch approximation 2−8758
nonlinear Schrodinger equations, numerical calculation problem *(Chinese)* 2−13730
nonlinear three dimensional magnetic vector potential finite element solution of field problems including experimental verification 2−20516
nuclear power plants under seismic loads, dynamic anal. with finite elements 2−12355
on finite element schemes of the Dirichlet problem for a system of nonlinear elliptic equations 2−8669
on the curved elements of Hermite type and their applications *(Chinese)* 2−13718
on the stress trajectories of membrane forces in cracked reinforced concrete slabs 2−8665
optical fibres, single-mode, stress analysis finite element method 2−6011
overhead line conductor design for optimised mechanical charact. using finite elements *(German)* 2−27532
parabolic partial differential equation solution 2−13773
partial differential equation invertible quadratic isoparametric finite element algorithm 2−13774
PDE solution 2−19367
permanent magnet machines, mag. fields, three-dimens. finite element soln. 2−15207
permanent magnet motor numerical magnetic field anal. using finite elements 2−23263
plane elasticity, mixed finite element family 2−535
plate bending finite element formulation 2−13653
PM synchronous machine, electronically operated, magnetic field model 2−4061
porcelain enamelled steel PC boards, finite elements anal. of stresses and thermal flow 2−1041
product approximation for non-linear problems in the finite element method 2−8676
finite element analysis continued
quartz, ferrobielastic switching, effect on piezoelec. elements, stress distrib. anal. 2−20449
recording head, array, nonlinear mag. field, finite element anal. 2−25424
recording heads, resolution amplification in 3D finite element mag. field calcs. 2−20508
reduced Fokker-Planck eqn., finite element soln. 2−8683
rolling contact finite element model 2−8733
saddle point schemes, equivalency theorem, strong Babuska-Brezzi condition 2−19280
scattering problem partial differential equations 2−13769
ship's structural mechanics computation, review and development *(Chinese)* 2−13647
Signorini problem in elastostatics, interior penalty methods for finite element approx. finite element analysis boundary-value problems elasticity 2−13740
simultaneous iteration applied to the solution of finite element models in ship vibration 2−532
singularities of sets used in the mesh method 2−19342
skeletal frames, large displacement analysis 2−13736
small electric machines design and anal. techniques applications for small aircraft 2−13649
solar panels load losses, analogical study *(Italian)* 2−23439
sparse matrix, meshes branching envelope reducing algorithm 2−448
sparse matrix techniques in engineering practice 2−444
squirrel cage induction machine, magnetic field, eddy current contrib. 2−23300
squirrel cage motor, magnetic field analysis 2−12641
steady-state eddy-current flow in current carrying conductors *(German)* 2−7807
stereographic display on three dimensional magnetic fields of electromagnetic machines 2−12577
structural dynamics matrix model 2−8666
structural stiffness matrix equations, resumable segment computerised solutions 2−13655
superconducting alternator magnetic fields calc. 2−4076
synchronous generator calc., non-salient pole, three-phase *(Croatian)* 2−4053
synchronous machines, saturated, EM torque by finite element field calcs. 2−18183
synchronous motor, self-starting, finite element anal. 2−23273
test equations property for finite differences or finite element methods 2−8725
thick and thin sectorial plate, elasticity calc. model 2−8662
thin shell stress anal. partial differential equations model 2−8729
three-coil superconducting partial torus, finite element analysis of magnetoelastic buckling and expts. 2−9958
topographic waveguides for SAW, finite-element anal. using approximate analytical solns. 2−9841
transformer with magnetic shielding, numerical calc. of leakage field 2−23328
transient thermal analysis of turbo-generator rotor by finite element method 2−4042
turbine generator rotors, heat flow, finite element anal. 2−18156
turbine-generator rotor unbalanced faults computing, heating effects prediction 2−7808
two-dimensional mesh verification algorithm 2−19340
underground power cables, backfill materials soil treatment, heat flow prediction appl. 2−22929
US transducers, piezoelectric circular rod, axisymmetric vibrations, finite element anal. *(Japanese)* 2−17606
vibrational response SCOR model 2−8667
vibro-diagnostics of spontaneous closure in contacting systems by a method of finite elements *(Russian)* 2−28057
wood plates loaded holes stress finite element anal. 2−8731
Fe saturated, eddy current study 2−15617
Si ICs, p-n junctions, dynamics of charge collection from alpha-particle tracks, computer simulation 2−5796

finite state automata *see finite automata*

fireproofing *see flameproofing*

fires
see also accidents; safety
alarm system requiring no energy supply at detector *(French German)* 2−13238
ampacity test of a silicone foam firestop in a cable tray 2−12250
cables, influence of new materials 2−7550
coal preparation, explosions and fires due to coal dust *(Rumanian)* 2−8221
critical piping systems planning, fire safety for valve actuators 2−4623
distribution and transformer substations, protection against fires *(Czech)* 2−7528
electrical, causes and safety aspects *(Finnish)* 2−23954
electrical cable damage assessment using simulated environments 2−12254
electrical installations, protective devices research and development trends in Rumania *(French)* 2−43
fire detection and alarm systems for protecting life 2−18953
fire hazards and welding action in service entrance conductors lack of protection 2−12298
flammable liquid spills in power plants, cable fire risk conditions 2−23971
isolation in electrical installations *(Norwegian)* 2−18949
NONCHLOTHENE insulated wire and cables chemical, electrical and thermal charact. *(Japanese)* 2−17739
power cables, halogen-free fire resistant properties and requirements *(German)* 2−27505
power cables, heat- and radiation-resistant, with mineral insulation for utilisation in nuclear power installations 2−27516
problems associated with locating fore and security sensors in hazardous areas 2−13234
self-powered lights for escape routes, emergency lighting 2−8079
steam turbine automatic control system fire prevention 2−27727
steam turbine fire hazards where oil is used and their reduction 2−17994
switching stations construction system with explosion and fire safeguards *(German)* 2−28042
telecommunication cables, protection against fire, development trends 2−5392
thermoplastic resins, protection against fire, international standards *(Italian)* 2−20465
unprotected conductors in steel tubes, fire hazards and design for greater safety *(Russian)* 2−23967

fission counters
BWR, neutron flux distrib. analyser, operational testing *(German)* 2−11842
fission track recorder techniques for fission rate measurements 2−3419
gridded ionisation chamber, secondary scintillation study 2−22483
neutron multiplicity detector for spontaneous fission events 2−17238
parallel plate avalanche counter, fission fragments detection 2−11802
spontaneously fissioning nuclides from heavy ion reactions, rotating wheel system for detection 2−3412
Si surface barrier detector, ^{244}Cm and ^{252}Cf spontaneous fission fragments pulse height spectra 2−11784
^{235}U mass meas. in large vol. multiplated fission ionisation chamber 2−22481

fission reactor cooling and heat recovery
see also cooling; fission reactor core control and monitoring
annular two-phase flow in nuclear heat transport systems, electro-optical instrumentation development 2−3869
annular two-phase flow in nuclear heat transport systems, electro-optical instrumentation development 2−7681
BWR blowdown emergency core cooling programme, 64 rod bundle blowdown heat transfer phase, test results 2−17902
circulation reversal in nuclear power plant superheating channels, boundary investigation 2−17900
coolant pumps for BWR, constructional features *(German)* 2−3884
denatured breeders, extended burn-up fuel cycle 2−3859
Genkai power station, secondary water chemistry control 2−17906
ion thermometers in reactor technology 2−11655
KANUPP, reactor protection and control systems 2−7629
LMFBR, MHD phenomena in cooling system 2−27652
LOFT, cooled coaxial low flow velocimeter development 2−22441
LOFT, flow calibration using drag disc/turbine transducer 2−22444
microprocessor-controlled nuclear steam supply system simulator for evaluation and training 2−17914
Oconee 2B once through steam generator tube vibr. response 2−17911
Oconee PWR, steam generator debris anal. 2−23060
PHWR, press. control system in primary loops, energy consumption anal. 2−7659
pressurisation transients in BWR, RAMONA computer code simulations 2−12364
primary circuits, visualizing problems of sodium flow circuits 2−17894
PWR, bubble detection and level meas. in main coolant ccts. using ultrasonic transducers *(German)* 2−12400
PWR, compressibility and added masses in blowdown anal. *(German)* 2−7645
PWR, design consideration for main cooling system *(German)* 2−12398
PWR coolant-level instruments, using differential pressure transducers 2−22443
PWR pressuriser instrumentation, bias identification, using generalised likelihood ratio technique 2−12407
PWR simulated geometries, heat transfer and two-phase flow, computer program 2−3872
PWR simulated geometries, heat transfer and two-phase flow, computer program 2−7685
Soviet nuclear power stations using VVER-1000 standard reactor, safety systems 2−17899
TMI-2, core temp. transient in early phase of core uncovering 2−3863
transient critical heat flux following nuclear reactor design basis accident, study test result data packages 2−3870
transient critical heat flux following nuclear reactor design basis accident, study re- sults summary 2−7682
transient critical heat flux following nuclear reactor design basis accident, study test result data packages 2−7683
transient thermohydrodynamic processes following rupture of steam-generating channel in water cooled water moderated reactor *(Russian)* 2−17859
two-phase flow meas., liquid thin film thickness determ. by impedance probes 2−22396
U-tube boilers, dynamic thermal-hydraulic behaviour 2−17861
V-1 Bohunice power plant, commissioning, primary circuit, pressure tests, power start-up *(Czech)* 2−3849
Westinghouse J-loop loss-of-coolant accident test facility 2−3868
Pu lattices, heavy-water moderated, local power peaking factor meas. 2−7652

fission reactor core control and monitoring
see also fission reactor safety; fission research reactors; nuclear engineering; nuclear reactor instrumentation
Browns Ferry Unit-3 cavity neutron spectral analysis 2−23062
BWR, nodal methods for three-dimensional simulator 2−23052
BWR, power distrib. change evaluation during daily load following operation *(Japanese)* 2−7654
BWR, power-flattening method 2−7650
BWR dynamics, coarse-mesh core calc., a posteriori evaluation 2−17897
BWR low-flow stability test results 2−3873
digital hierarchical decentralized information system for reactor start-up and shut-down 2−7693
fuel element response determ. by fission product monitoring by gamma-ray *(Croatian)* 2−27642
in-service surveillance for French PWRs, present and future techniques 2−12395
ion thermometers in reactor technology 2−11655
KAHTER, critical HTGR test facility, heterogeneous poisoning, power reactor initial loading study 2−17895
Karachi nuclear power plant, control and instrumentation technology 2−7628
LWR, control-rod-drive operational events, defect flow anal. 2−7648
man-machine interface design features and developments 2−17880
neutron activation, development, production and certification 2−12377
nuclear control room man-machine interface advancement 2−17877
online computer control using optimal control and state estimation methods 2−7691
PHWR, press. control system in primary loops, energy consumption anal. 2−7659
power density distribution, multilevel control 2−7694
PWR control with straight line steam generator *(German)* 2−12399
Rancho Seco nuclear station, fuel cycle extension by part-length control rod removal 2−17898
self-tuning load-following control of a nuclear power plant 2−3882
stereoscopic TV system for monitoring of Magnox nuclear power station 2−11259
theory of monitoring 2−12406

fission reactor core control and monitoring continued
TMI-2, core temp. transient in early phase of core uncovering 2−3863
Toshiba automatic load following operation system, reactor power regulator 2−12391
V-1 Bohunice power plant, commissioning control *(Czech)* 2−3848
VVER reactors internal vibration monitoring and control *(Czech)* 2−26993

fission reactor decommissioning
see also fission reactor safety; radiation protection; radioactive waste
damaged radioactive components disposal *(German)* 2−12401
nuclear facilities total decommissioning *(German)* 2−7618
nuclear power plants and reprocessing facilities decommissioning, main parameters comparison *(German)* 2−7620
nuclear power plants decommissioning waste disposal *(German)* 2−7621
nuclear power stations, safe enclosure in decommissioning *(German)* 2−7646
nuclear power stations closing-down in Federal Republic of Germany *(German)* 2−27618

fission reactor fuel
see also claddings; fission reactor fuel preparation and reprocessing; isotope separation; radioactive waste
approaches to nuclear fuel assurance, balancing nonproliferation with energy security 2−12374
APWR, neutron physics aspects *(German)* 2−7647
BWR, power-flattening method 2−7650
BWR irradiated fuel, neutron emission anal. and meas. 2−7651
CANDU-PHW reactor system, on-load fuelling 2−23047
Chinese nuclear technology, current status *(German)* 2−27614
economics of uranium supply and demand for nuclear power 2−17841
element response determ. by fission product monitoring by gamma-ray *(Croatian)* 2−27642
energy releases during fission 2−17904
EPRI LWR core materials performance programme progress made in 1979 and 1980 2−17905
higher fuel burnups, low leakage fuel management programme, USA 2−23045
IAEA's activities 2−17844
long term dry storage of irradiated oxide fuel and vitrified waste 2−12383
methanation of CO and CO_2 for heat production 2−7608
natural draught centralized dry store for irradiated fuel and active waste 2−23048
new concept for the packaging and disposal of intermediate level waste 2−12384
nuclear fuel rods nondestructive assay using lead spectrometer 2−7644
performance testing with respect to pellet clad interaction 2−7656
PWR fuel industry, France *(French)* 2−27650
PWR with tight-lattice core using UO_2-PuO_2 and very low water volume fraction, technical feasibility study 2−12394
refuelling machine, semiautomated, for BWR in Switzerland 2−12382
sealed cans for PuO_2 and $(U,Pu)O_2$ storing, weld signature US verification, report 2−27323
security system CCTV, video disc recording appl. 2−26639
spacer elements for fuel rod assemblies, hydraulic resistance, generalised equations 2−23057
Swedish power reactors, fuel cycle cost effectiveness, benefits of co-operation between users and suppliers 2−23046
^{3}H distrib. in poisoned fuel rods *(German)* 2−12368
Pu lattices, heavy-water moderated, local power peaking factor meas. 2−7652
Pu passive assay, with shift register neutron coincidence counter 2−7295
PuO_2 fuel, alpha-autoradiography, dielectric detector appls. *(Russian)* 2−7288
U energy contents *(German)* 2−27606
U enrichment plants, licensing procedures in West Germany 2−17832
U, exploration, recent developments 2−17843

fission reactor fuel preparation and reprocessing
see also isotope separation; radioactive waste
Advanced converter reactors, fuel cycles 2−7698
austenitic stainless steel tubes TIG welding 2−4541
back end fuel cycle, provisions in West Germany, trade unions' view *(German)* 2−17831
back end fuel cycle technologies development in West Germany *(German)* 2−17829
conservation and proliferation prospects 2−23016
denatured breeders, extended burn-up fuel cycle 2−3859
EPRI nuclear fuel-cycle accident risk assessment 2−12339
fusion hybrid reactor for nuclear fission power station fuel prod. 2−7622
German Federal Republic developments, back end fuel cycle concept implementation *(German)* 2−17828
German Federal Republic developments, social and technical aspects of waste management *(German)* 2−17830
industrial experience in bituminisation of reprocessing waste 2−17892
laser beam machining appls. 2−15589
nuclear fuel-reprocessing plants, pot. safety-related incidents 2−8216
nuclear power plants and reprocessing facilities decommissioning, main parameters comparison *(German)* 2−7620
nuclear power stations with PWRs, fuel elements preparation and waste disposal *(Czech)* 2−27620
online computer system for continuous criticality control 2−7692
spent fuel management and extended storage 2−17846
spherical high temp. reactor nuclear fuels, large scale expt. *(German)* 2−12396
waste actinides elimination by recycling to nuclear reactors 2−17848
world-wide nuclear energy expansion possibility *(German)* 2−12371
U enrichment plants, licensing procedures in West Germany 2−17832
U extraction from its ores 2−17845
U mines and mills occupational radiological safety 2−17437

fission reactor instrumentation *see nuclear reactor instrumentation*

fission reactor materials
see also claddings; fission reactor fuel; fusion reactor materials; materials handling; moderators; radioactive waste
1200 MWe Superphenix in France component assembly on site and progress report 2−12381
aerosol coagulation, deposition and leakage during nuclear reactor accident 2−7643
AGR, implications for condensate purification of operation at pH 9.6 2−7669
AGR boiler design and construction in UK 2−7671

fission reactor materials continued
Alloy 600 tubed nuclear steam generators, system chemistry consideration 2−7668
BWR intergranular stress corrosion cracking, causal factors and mitigation 2−23063
CANDU nuclear steam generators, materials performance 2−7663
concrete press. vessel, 20 MN breaking load tension member development *(German)* 2−7639
elastic moduli meas., 20 to 1100°C, US method 2−8888
Electric Power Research Institute's Nondestructive Evaluation Center 2−17872
HTGR, steam generator materials performance 2−7664
Incoloy 800 and Inconel 600, steam generator tube for PHWR, NaH_2PO_4 evaluation as denting inhibitor 2−7673
Inconel 600, corrosion in LWR coolant by cationic resin beads 2−7674
Inconel 600 tubing in nuclear power demonstration unit boiler, chem. cleaning 2−7676
LMFBR cladding breach monitoring by solid state tagging of fuel element surface 2−17910
LMFBR steam generator SNR 300, experience in materials 2−7677
nuclear reactor containment vessel, steel linear design against rupture 2−7661
nuclear steam generating systems, chem. thermohydraulics 2−7667
nuclear steam generator materials, pitting corrosion studies 2−7675
nuclear steam generator materials performance, conf., St. Petersburg, FL, USA (Oct. 1980) 2−4568
nuclear steam generator tubing, eddy current inspection 2−8927
nuclear steam generator tubing, eddy current inspection 2−8928
Oconee PWR, steam generator debris anal. 2−23060
plasma-GMA welding for Al assemblies 2−23829
pressure vessels, pumps, valves and piping, general design criteria given by ASME code, survey *(Croatian)* 2−12362
PWR station nonradioactive wastewater treatment design and operation 2−23031
PWR steam generator materials, Cu and Ni compounds effects on corrosion 2−7670
PWR steam generator tubing, material requirements 2−7666
PWR steam generators materials performance 2−7662
safeguards, NDA instrumentation, intelligent devices 2−7294
safeguards surveillance, camera system based on Super 8 2−7043
steel, pressurised water reactor, review of AE appl. 2−8870
steel, stainless, weld overlay, H-induced cracking in heat-affected zone of steam generator forging 2−7672
steel, stainless AISI type 304L, straight pipe for LWR, fatigue and fracture behaviour 2−12388
steel bar reinforcement for high loaded concrete structures in nuclear power plants 2−12357
steel stainless, pipe welds in BWRs intergranular stress corrosion cracking study 2−3867
ultrasonic testing methods repeatability study 2−12119
water-cooled nuclear power reactors during 1979, steam generator tube performance 2−17883
MgO insulation in heat resistant cables, elec. cond. meas. 2−14331

fission reactor operation
see also fission reactor cooling and heat recovery; fission reactor core control and monitoring; fission reactor safety
Abnormal Transient Operating Guidelines programme for nuclear power station operators 2−17878
BWR design and operating report, data to facilitate stability tests analyses 2−3878
BWR nuclear power plant load following operation, reactor power regulator, microcomputer system 2−17852
BWR startups, dissolved O_2 and H_2O_2 concentration control procedures 2−3879
BWR startups, dissolved O_2 and H_2O_2 concentration control procedures 2−7689
BWR turbine trip tests in conjunction with RETRAN analysis 2−3876
CANDU operating experience, performance, reliability and safety 2−23023
CRT display variables and formats study for BWR power plant start-up operation 2−23041
data handling system redundancy, availability analysis 2−17864
design for optimum safety incorporating the human factor *(French)* 2−23055
diagnostics of acoustic signals in power plant operation *(Czech)* 2−17890
French nuclear safety policy, human factors significance, lessons learned from Three Mile Island *(French)* 2−23054
German nuclear plant operation, 1980 Report *(German)* 2−23004
high temp. molten-salt reactors in free convection regime, physical peculiarities 2−7697
initial operating experience on the Fort St. Vrain high temperature reactor *(German)* 2−27653
microprocessor-controlled nuclear steam supply system simulator for evaluation and training 2−17914
nuclear electric-power generating plants, operating statistics and data 2−12343
nuclear Generating Stations Productivity Improvement Program 2−12392
nuclear power plant safety, human factor considerations *(French)* 2−23056
nuclear power plants during start-up, radiological meas. 2−7347
nuclear power station VVER 440 reactor primary and secondary circuit diagnostic system charact. *(Czech)* 2−27641
nuclear reactor operator training, full-scope simulators by British CEGB 2−23044
performance and operating data, 1978 and 1979 2−23059
plant availability improvement, transient analysis model 2−17869
pressure boundary components, requalification standard 2−23061
production reactor productivity improvement plan 2−17913
PWR transient tests for verifying reactor system transient analysis computer codes 2−3877
PWR transient tests for verifying reactor system transient analysis computer codes 2−7688
refuelling machine, semiautomated, for BWR in Switzerland 2−12382
RETRAN-02 computer-code for best-estimate analysis of LWR systems 2−3875
TMI-2 cooldown and cleanup 2−17870
US power reactor operation 2−12344
US power reactors operation during May-June, 1981 2−17886
V-1 Bohunice power plant, commissioning, primary circuit, pressure tests, power start-up *(Czech)* 2−3849

fission reactor operation continued
V-1 Bohunice power plant, commissioning control *(Czech)* 2−3848
water-cooled nuclear power reactors, steam generator tube performance 2−17883

fission reactor safety
see also fission reactor cooling and heat recovery; fission reactor core control and monitoring
1110 MW PWR construction proposal by CEGB, safety case, UK 2−23040
Abnormal Transient Operating Guidelines programme for nuclear power station operators 2−17878
accident consequence analyses, computer codes 2−3865
accident consequence analyses, computer codes 2−7679
AGR safety margins, Windscale 33 MWe prototype appl. for further experimental confirmation 2−12379
analysis procedures for utility power plants 2−17866
APWR, neutron physics aspects *(German)* 2−7647
as-built nuclear power plant buildings, dynamic testing, review 2−12353
BWR blowdown emergency core cooling programme, 64 rod bundle blowdown heat transfer phase, test results 2−17902
BWR containment spray by large scale facility, I removal tests 2−7351
CANDU operating experience, performance, reliability and safety 2−23023
commercial power plants, nuclear regulating requirements sources 2−7624
conference, energy outlook in the 1980s, Ames, Iowa, April 1981 2−13152
critical safety functions and nuclear power plant operation 2−17850
denatured breeders, extended burn-up fuel cycle 2−3859
disturbance anal. systems for nuclear plant safety 2−23036
Electricite de France, SRDF reliability data collection system 2−17889
EPRI nuclear fuel-cycle accident risk assessment 2−12339
EPRI nuclear safety and analysis research programmes 2−12393
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems, study appls. 2−3871
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems 2−3874
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems, study appls. 2−7684
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems 2−7686
FBR, notional accidental releases, radiological consequences 2−7346
fission research reactors, radiation protection, legal requirements fulfilment, economic considerations *(German)* 2−27217
French nuclear safety policy, human factors significance, lessons learned from Three Mile Island *(French)* 2−23054
fuel performance testing with respect to pellet clad interaction 2−7656
gas-cooled nuclear power reactors 2−3864
KAHTER, critical HTGR test facility, heterogeneous poisoning, power reactor initial loading study 2−17895
KANUPP, reactor protection and control systems 2−7629
LMFBR accidents, escaping radioactive effluent effects *(Italian)* 2−12390
LMFBR safety in light of Three Mile Island incident 2−7696
LOFT, cooled coaxial low flow velocimeter development 2−22441
LOFT, flow calibration using drag disc/turbine transducer 2−22444
LWR, control-rod-drive operational events, defect flow anal. 2−7648
LWR, steam explosion following postulated core meltdown accident, containment failure anal. 2−12389
LWR containment vessel improvement concepts, review 2−17903
LWR safety program, Mod-3 results review 2−12340
neutron dose rate meas., detector error evaluation 2−11821
NPP Angra 2 reactor building, pile foundation seismic anal. 2−7657
nuclear plant safety and availability, Operational Support Systems improvement 2−17879
nuclear power plants, fire occurrence rates 2−12356
nuclear power plants, human factors engineering 2−12342
nuclear power plants, radiation doses due to accidental radioactive release, quick assessment *(German)* 2−7348
nuclear power plants under seismic loads, dynamic anal. with finite elements 2−12355
nuclear power station, design requirements, probabilistic and cost-benefit anal. 2−12341
nuclear power station U-tube boilers, dynamic thermal-hydraulic behaviour 2−17861
nuclear power station VVER 440 reactor primary and secondary circuit diagnostic system charact. *(Czech)* 2−27641
nuclear reactor, events resulting in shutdown and their causes 2−17884
nuclear reactor accident, aerosol coagulation, deposition and leakage, scale modelling 2−7643
nuclear reactor safety-related events in May and June 1981 2−17885
occupational radiation-exposure reduction technology planning study 2−17909
Oconee 2B once through steam generator tube vibr. response 2−17911
operate-shutdown decision and test policy of safety systems 2−7640
power reactor projects undergoing licensing review 2−17888
pressurisation transients in BWR, RAMONA computer code simulations 2−12364
probabilistic safety study of Zion station 2−27628
process control software, reliable software, development and validation methodology 2−12376
protective logic system *(French)* 2−7642
public opinion trends 2−27632
PWR, bubble detection and level meas. in main coolant ccts. using ultrasonic transducers *(German)* 2−12400
PWR, compressibility and added masses in blowdown anal. *(German)* 2−7645
PWR, heat transfer coeffs. under LOCA conditions in containment buildings 2−7658
PWR and BWR plant decommissioning *(Dutch)* 2−27625
PWR coolant-level instruments, using differential pressure transducers 2−22443
PWR design for optimum safety incorporating the human factor *(French)* 2−23055
PWR plant component failures and protection system challenges 2−17871
PWR plant shutdown operational methods, radiation control aspects 2−3866
PWR plant shutdown operational methods, radiation control aspects 2−7680
PWR steam generator overfill transient, safety aspects 2−17887
PWR with tight-lattice core using UO_2-PuO_2 and very low water volume fraction, response to loss-of-coolant accident 2−12394

fission reactor safety continued
radiation exposure in nuclear power plants, reduction by preventive maintenance 2−17839
radioactive fallout following nuclear accident, realistic assessment *(French)* 2−7678
radioisotopes, energy releases during fission 2−17904
refuelling machine, semiautomated, for BWR in Switzerland 2−12382
risk assessment in relation to major hazards 2−4628
safeguards, NDA instrumentation, intelligent devices 2−7294
safeguards surveillance, camera system based on Super 8 2−7043
seismic testing, EPRI sponsored research 2−27615
Soviet nuclear power stations using VVER-1000 standard reactor, safety systems 2−17899
space nuclear power, US flight safety process overview 2−7399
steel, stainless AISI type 304L, straight pipe for LWR, fatigue and fracture behaviour 2−12388
structural safety and performance, sub-coating defect effects *(French)* 2−27646
system reliability engineering, US nuclear industry perspective 2−7641
Tarapur nuclear power station, inservice inspection appl. 2−17891
TMI-2, core temp. transient in early phase of core uncovering 2−3863
TMI-2 accident, thermal-hydraulic and core-damage anal. 2−17835
TMI-2 cooldown and cleanup 2−17870
TMI-2 core/vessel/shield configuration, neutron spectral shift effects evaluation 2−17896
transient critical heat flux following nuclear reactor design basis accident, study test result data packages 2−3870
transient critical heat flux following nuclear reactor design basis accident, study results summary 2−7682
transient critical heat flux following nuclear reactor design basis accident, study test result data packages 2−7683
transient thermohydrodynamic processes following rupture of steam-generating channel in water cooled water moderated reactor, development mechanisms *(Russian)* 2−17859
turbine failure, fragment kinetics 2−17849
WAMCOM computer code for common cause methodologies using large fault trees 2−8329
Westinghouse J-loop loss-of-coolant accident test facility 2−3868
H_2 explosion hazards, BWR off-gas systems, problematic and past occurrences investigation 2−3880

fission reactor theory and design
see also fission reactors; fission research reactors; neutron transport theory
800 MWe HTGR gas-turbine power plant design 2−17865
anthropometric data base for power plant design 2−17862
BWR, nodal methods for three-dimensional simulator 2−23052
BWR, power distrib. change evaluation during daily load following operation *(Japanese)* 2−7654
BWR, power-flattening method 2−7650
BWR blowdown emergency core cooling programme, 64 rod bundle blowdown heat transfer phase, test results 2−17902
BWR design, 200/400 MWe range, for developing countries, new concept 2−23043
BWR dynamics, coarse-mesh core calc., a posteriori evaluation 2−17897
French, designs for export *(French)* 2−27651
fuzzy expectation values in multistage optimization problems, nuclear reactor investment strategy example 2−12375
Genkai power station, secondary water chemistry control 2−17906
HTR status and possibilities for electricity generation *(German)* 2−27636
LMBR steam generator, forced-connection boiling upflow system, instabilities in parallel channel 2−7653
pebble bed reactor design for easier construction and maintenance *(German)* 2−27635
power station water-system needs matched to hydraulic transient anal. for waterhammer reduction 2−22970
power system simulations 2−17907
PWR design for optimum safety incorporating the human factor *(French)* 2−23055
PWR with tight-lattice core using UO_2-PuO_2 and very low water volume fraction, technical feasibility study 2−12394
radioisotopes, energy releases during fission 2−17904
RETRAN-02 computer-code for best-estimate analysis of LWR systems 2−7687
spacer elements for fuel rod assemblies, hydraulic resistance, generalised equations 2−23057
step-wise time depend. backward Kolmogorov eqn. with delayed neutrons in counting statistics 2−22482
TMI-2 core/vessel/shield configuration, neutron spectral shift effects evaluation 2−17896
V-1 Jaslovske Bohunice power plant, design and technical solns. *(Czech)* 2−3847

fission reactors
see also fission reactor decommissioning; fission reactor materials; fission reactor operation; fission reactor theory and design; fission research reactors; hybrid reactors; nuclear engineering; nuclear power stations
1200 MWe Superphenix in France component assembly on site and progress report 2−12381
Advanced converter reactors, fuel cycles 2−7698
application of HTGR process heat to oil shale retorting 2−17825
Brazilian coal and oil shale development processes using nuclear energy *(German)* 2−12405
breeder development in international cooperation *(German)* 2−23037
BWR, neutron flux distrib. analyser, operational testing *(German)* 2−11842
BWR, weak radioactive waste solidification and intermediate storage in nuclear power station *(German)* 2−12366
BWR pressure vessels in-service inspection, focused search units 2−23049
Candu and PWR costs compared in Canada 2−12352
Candu reactor pressure tube inspection, remotely controlled equipment 2−23050
CANDU technology, evolution and development 2−23051
dangers and limitations, generalised survey 2−3883
direct conversion of nuclear energy to electrical energy *(Czech)* 2−8017
fast breeder reactors in Europe, case for programme 2−12380
fast neutron breeder reactors, economic aspects *(French)* 2−23053
future role of breeder reactors in the European community *(Dutch)* 2−27643
German nuclear reactor construction delay costs, economic anal. *(German)* 2−12404
heat pipes for NEP spacecraft radiators 2−17517
high power high temp. reactor, design concepts with process steam exchanger *(German)* 2−12403
high temp. gas-cooled reactor as flexible heat source, potential 2−7695
high temperature reactor, construction planning concepts *(German)* 2−12402
HTGR, industrial energy appls. 2−17920
LMFBR power plant experience, published Phenix data summary 2−23058
LMFBR steam generator US design 2−7665
LWR accidents, consequences and effects *(Dutch)* 2−7649
LWR nuclear plant shut-down costs *(German)* 2−12397
multi-span heat exchanger tubes, tube-support interaction, analytical and expt. studies 2−7660
nuclear industry, public and occupational hazards, risk management, equity aspects 2−13230
nuclear power station explosive dismantling practicality *(German)* 2−12369
nuclear power stations, safe enclosure in decommissioning *(German)* 2−7646
nuclear power stations with PWRs, fuel elements preparation and waste disposal *(Czech)* 2−27620
nuclear reactor closed Brayton cycle space power conversion systems 2−17919
nuclear reactors acceptability in space, safety considerations 2−17915
PHWRs, 900 to 1050 MWe range, Candu, for world markets 2−3862
PWR, two-loop, 600 MWe, designed for export 2−23042
PWR nuclear power plant total removal, flow chart concept *(German)* 2−3885
PWRs commissioning programme for Belgian electrical power generation industry *(German)* 2−27637
RBMK graphite-water steam-generating reactor in the USSR 2−23024
seawater, radionuclides simultaneous determ. by hydroxide precip. 2−7448
space power advanced reactor core heat pipes, development 2−17917
space-based nuclear power stations, appls. of power beaming 2−17916
thermal fission reactors and fast breeder reactors, economic comparison *(Croatian)* 2−27374
thermoelectric module for space reactor 2−17918
tubular cracking oven based on test plant EVA II for PNP-reactor, conceptual presentation *(German)* 2−27638
world-wide nuclear energy expansion possibility *(German)* 2−12371
Na cooled breeder reactor, distance meas. under Na by ultrasonic means *(German)* 2−9838

fission research reactors
see also fission reactor core control and monitoring; fission reactor theory and design; nuclear reactor instrumentation
BWR, nodal methods for three-dimensional simulator 2−23052
fuel performance testing with respect to pellet clad interaction 2−7656
German nuclear plant operation, 1980 Report *(German)* 2−23004
Inconel 600 tubing in nuclear power demonstration unit boiler, chem. cleaning 2−7676
JAERI model containment test facility under LOCA simulated conditions, I removal tests 2−7351
KAHTER, critical HTGR test facility, heterogeneous poisoning, power reactor initial loading study 2−17895
nuclear facilities total decommissioning *(German)* 2−7618
nuclear reactor, events resulting in shutdown and their causes 2−17884
radiation protection, legal requirements fulfilment, economic considerations *(German)* 2−27217

fissures *see cracks*

flameproofing
see also fires
ceramic fibre blanket wrap for cable tray and conduit fire protection 2−17740
flame retarded wire and cable selection for industrial appls. 2−14335
nuclear power plant power cables insulation flame proofing and increased resistance to radiation 2−27498
plastics, fillers props. influence 2−5036

flash lamps
Braun F910 portable electronic flash, review 2−13050
coaxial UV design for use at high temps. 2−13063
failure mechanism in flash tubes 2−13052
laser pump cavity design around flashlamp 2−15522
laser-pumping flashlamps, failure, reson. mechanism 2−10324
miniature converter for a flash lamp power supply 2−715
photographic flash sequences, using comparator 2−4453
radiative transfer processes in combustion atmosphere 2−23728
synchronising circuit for photographic flashes *(Italian)* 2−5308
transverse-discharge flashlamp pumped dye-soln. lasers 2−1922
DF pulsed chemical laser with diffr.-limited beam divergence 2−25707
Xe small flash lamp pump source for colour centre lasers 2−6202

flash photolysis *see photolysis*

flashover
35- and 110-kV substations lightning protection circuits optimisation 2−27986
contaminated insulator flashover mechanism, math. models *(French, English)* 2−27553
contribution to the design of supplementary lightning protection for large 220 and 380 kV outdoor switching stations *(German)* 2−23384
CRT devices, flashover testing 2−5513
diesel-electric locomotives, main generator flashover anal. 2−4432
epoxy resin insulators, flashover voltages, obs. 2−9810
glass insulator, surface flashover measurements in vacuum and N_2 gas 2−9805
hazard of burns from electric arc blast 2−8241
high vacuum accelerator tubes, prebreakdown and breakdown processes, review 2−11733
HV impulse devices with aqueous insulation, insulator shape optimisation 2−28135
impulse voltage generator automatic control system *(Finnish)* 2−27997
insulation under intense γ-ray irradiation, flashover characts. study 2−1502
insulator flashover vacuum, surface props. 2−9806
liquid conducting film, flashover voltage 2−27557
liquid conducting film, time to flashover mechanisms 2−27558
low pressure conditions, press. depend. of DC breakdown of contaminated insulators 2−27559
Myler thin film, surface flashover arc orientation 2−20438

flashover continued
rod-plane gaps, sparkover characteristics of long fog-contaminated air gaps 2−12307
spacecraft charging tests using multiple electron guns, NASCAP simulation 2−22611
th volt second characteristics/ of insulator/ sets subject to nonstandard lightning/ pulses and reduced atmospheric pressures *(Russian)* 2−3779
flaw detection *see crack detection*
flexoelectricity
MBBA, nematic, flexoelectric induced second harmonic generation 2−2004
flexural strength *see bending strength*
flicker noise *see random noise*
flip-chip devices
see also thin film circuits
automobile electronics, reliability considerations of flip-chip thick-film components 2−24839
optical coupler, fabrication between single-mode fibres and $LiNbO_3$:Ti channel waveguides 2−25539
packaging technology for electronic analogue watches, flip-chip technique using PCB substrate 2−20008
semiconductor chip internal stress level monitoring using strain-gauge technique, quartz layer damage 2−1409
solder paste process of hybrid circuits 2−1070
flip-flops
bipolar transitions detector, using flip-flop, exclusive OR gate *(Italian)* 2−21333
DC Josephson flip-flop circuit 2−15250
expected value anal., probabilistic models 2−14198
glitch-free clock start-stop mechanism using level sensitive scan design polarity hold latches 2−24446
I^2L flip-flops design, using new coupling techniques 2−19645
J/K flip-flop, least sensitive scan design testable, using shift registers 2−5225
JK 2−24487
JK flip-flops appl. to clock failure monitor for telephone exchange 2−14245
logic signal conditioning circuit to remove random pulses 2−6631
mechanical device rotation direction indicating circuit 2−861
memory output level, access time testing, using flip-flop ICs *(Italian)* 2−19662
MSI devices, single-event upset study 2−14059
order-of-occurrence indicator, four channels 2−17035
periodic waveform synthesis techniques *(Italian)* 2−5265
rectangular pulse generator, adjustable, with semiconductor pentode switch 2−14019
sequential machine operation, using bipolar PROM, Quad D flip-flops *(Italian)* 2−9072
split phase data synchronizer using flip-flops 2−5205
three phase oscillation generator, using flip flop, power invertors *(Italian)* 2−9165
touch operated switching cct., using logic, comparator, flip-flop ICs *(Spanish)* 2−24630
Si, amorphous, FET, application in integrated circuits 2−5805
floating zone refining *see zone refining*
floodlighting
beam cross-over distance for photometry of lighting projectors 2−18756
choice of test distance to control errors in the photometry of round projectors focused at a long distance 2−18755
flow charts *see flowcharting*
flow control
AC adjustable frequency motor control for process pumping systems 2−12976
aqueous-type photoresist for PCB processing, absolute control of developer/stripper solns., bleed and feed method 2−1032
district heating steam turbine, method 2−27734
flowmeters development in West Germany 2−11671
hydroelectric power stations, process computer control 2−3964
solar line-focus collector, analytical dynamic modelling, control appl. 2−23441
static induction motor drive capabilities for the petroleum industry 2−18248
techniques, conf. at Dusseldorf, Germany 1980 2−11670
flow diagrams *see flowcharting*
flow instability
circulation reversal in nuclear power plant superheating channels, boundary investigation 2−17900
ion drives, linearized unsteady three-dimensional flow eqns. 2−22700
LMBR steam generator, forced-connection boiling upflow system, instabilities in parallel channel 2−7653
unsteady flow computations, cyclic matrices appl. 2−494
flow measurement
see also anemometers; flow visualisation; flowmeters; laser velocimeters
aerodynamic testing using water towing tank techniques 2−11995
aerospace industry test methods advances, conf., Indianapolis, IN, USA (April 1981) 2−22654
aerospace turbomachinery flow diagnostics, using holographic interferometry and laser anemometry 2−12041
air flow rate meas. in aviation motor construction 2−17467
airflow through cascade of turbine blades, laser anemometry appl. 2−7234
annular two-phase flow in nuclear heat transport systems, electro-optical instrumentation development 2−3869
annular two-phase flow in nuclear heat transport systems, electro-optical instrumentation development 2−7681
automatic null balance for flow probes *(German)* 2−3301
blood, US CW flow metering principles and appl. to peripheral arterial system study *(Italian)* 2−27318
blood flow, regional cerebral, meas. using NMR flowmeter focusing techniques 2−11914
blood flow detect. by intersecting zone Doppler unit 2−22553
blood flow in common carotid artery, transcutaneous meas. using US 2−22552
blood flow measurement in human legs using NMR noninvasive flowmeter 2−11912
blood flow rate, EM noninvasive flowmetry, principles, math. models, instrumentation and methods 2−11942
boundary layer transducer, flow over helicopter rotor blades meas. 2−12006
flow measurement continued
car fuel gauge ensures economical motoring 2−23721
carotid artery flow, transcutaneous meas. by US volume flowmeter 2−11913
compressible flow density gradient meas., by noise deflectometry 2−11998
cooled coaxial low flow velocimeter, for nuclear reactor test facility 2−22441
differential pressure transducer design 2−22267
digital image processing for speckle flow velocimetry 2−26158
direction and pressure, using seven-hole probes 2−22440
discharge meas. Annubar averaging pilot probe development 2−22445
district heating plant steam turbines thermal testing 2−27728
district heating steam turbine, method 2−27734
Doppler effect laser sweep anemometer for velocity profile measurement *(French)* 2−22437
EM flow transducer, dynamic charact. estimate 2−16958
fibre optic measurement sensors 2−25522
flow signal conversion meas., digital processing methods *(German)* 2−22439
flowmeters development in West Germany 2−11671
fuel flow computerised monitoring, diesel engine fuel conservation 2−23155
gas, using stabilised ring laser 2−15585
gas flow meas. and calibration facility, 8×10^{-7} to 2.6×10^{2} kg/sec 2−22446
gas flow monitor for pressurised metal pipelines 2−7235
gas-liquid mixture meas., local gas content determ. 2−17175
granular materials, dosage conveyor with high-accuracy gravity feed, AEG system *(German)* 2−23821
hopper held granular material flow monitoring, flowmeter *(German)* 2−22260
hot wire air flowmeter for engine control system 2−26839
hot-film static-pressure probe for surveying flow fields, hypersonic wind tunnel appl. 2−22630
human digital arteries, noninevasive pulsed Doppler blood blood vel. meas. and calc. flow 2−17335
human limb blood flow meas. by elec. admittance plethysmography, evaluation of parallel conductor theory 2−22526
hydrometeorological data, remote transmission and processing *(Italian)* 2−16190
hypersonic wind tunnel, boundary layer transition sensors evaluation 2−22629
industrial and boiler furnace combustion chamber design, laser-Doppler anemometry appls. *(Italian)* 2−12484
industrial techniques and flowmeter types 2−16922
internal combustion engine, flow velocity rapid estimate using photon correlation laser anemometry 2−11627
laser Doppler anemometer readings, correction for cylindrical interface refr. 2−3296
laser Doppler imaging system for flow velocity distrib. meas. 2−17178
laser velocimetry for a large wind tunnel 2−22625
laser-Doppler speed measuring system with microcomputer *(Dutch)* 2−7237
liquids and gases, using Laser-Doppler velocity meter *(Dutch)* 2−7233
mass-filter probe, rarefied gasdynamical problems appl. *(Japanese)* 2−7232
maximum flow rate conveyors with unbalanced motor drive *(German)* 2−23706
microvascular blood flowmetry using intravital microscope-TV system, improvement by 1-bit correlator *(Japanese)* 2−27139
mixed flow fans, test facility 2−23978
noise insensitive determination of process data using a new digital correlator *(German)* 2−22438
ocean currents investigation, EM techniques anal. *(Russian)* 2−7446
oceanographic current meter, solid-state encoding system 2−22742
pulsed thermistor technique for measuring very low liquid flow rates 2−11666
pyroelectric anemometers, preparation and flow velocity meas. 2−11662
sea-bed instrument for measurement of current and pressure 2−22741
solids concentration and flow meas. of slurries and sludges using US sensors 2−11668
solids concentration and flow meas. of slurries and sludges using US sensors, velocity meas. 2−11669
static measurement of flow in a heat meter, from Landis & Gyr. 2−17156
tandem steam turbines flow section charact., vibrations and aerodynamic testing 2−27725
techniques, conf. at Dusseldorf, Germany 1980 2−11670
telecommunication cable, underground, pressurised, computerised monitoring 2−16318
thermoanemometer sensor for low flow speed meas., using Si crystal whisker 2−16949
tidal channel flow, laser Doppler velocimeter meas. of geophysical turbulence 2−17574
tissue perfusion, flow in porous media, CMOS microprocessor based system 2−11378
transient flow calibration facility, using drag disc/turbine transducer, mass flow calc. 2−22444
triple hot-film probe calibration in water 2−3616
turbine-generator thermal performance monitoring system development 2−17973
two-phase flow in nuclear reactor, liquid thin film thickness meas. 2−22396
two-phase flow in porous media, liquid saturation meas. using gamma densitometer 2−22447
two-phase flow sensor, based on neutron field in reactor core 2−22442
two-phase flows, gamma densitometers design aspects for void fraction meas. 2−17239
unstable airflow, single-particle velocity and trajectory meas. of microscale inhomogenities 2−26990
US, using cross-correlation technique 2−3100
US flowmeters, self-balancing AC potentiometer *(Russian)* 2−16754
US techniques for noninvasive instrum. on chemical and process plant 2−7461
wake behavior in the presence of free stream turbulence 2−18000
water local velocity measurement with hot wire anemometers *(German)* 2−26964
well-type flow-rate meters, with turbine transducers 2−16957
wind tunnel, hypervelocity, flowfield surveying techniques using traversing probe system 2−11999

flow measurement continued
wind tunnel, using laser interferometer skin friction meter 2−12007
wind tunnels, flow field meas. using US system 2−27306
flow process charts *see flowcharting*
flow resistance *see viscosity*
flow visualisation
aeroballistic trajectory, holographic interferometer for three-dimens. gas flow visualisation 2−2053
aerodynamic testing using water towing tank techniques 2−11995
aerospace turbomachinery flow diagnostics, using holographic interferometry and laser anemometry 2−12041
computerised image analysis appl. to aerodynamic testing 2−22622
holographic cinematography of time-varying reflecting and phase objects using Nd:YAG laser 2−25873
holographic flow visualisation of time-varying shock waves 2−2029
laser Doppler imaging system for flow velocity distrib. meas. 2−17178
pulp stock, new optical flow measuring device 2−17173
pump impeller passages, low specific speed 2−12004
reversible multistage pump-turbine bladed diffuser conveyor flow behaviour anal. *(Italian)* 2−23192
shock oscillations on spiked body obs., at Mach 3, using laser interferometer 2−12003
water tunnel simulation facility, for aircraft industry 2−12010
flowcharting
see also programming; systems analysis
PWR nuclear power plant total removal, flow chart concept *(German)* 2−3885
flowmeters
see also anemometers; flow measurement; laser velocimeters
Annubar averaging pilot probe, for discharge meas. 2−22445
biomedical EM flowmeter, effect of blood vessels on sensitivity 2−27152
blood, 3 to 10 MHz US meters using Doppler effect *(Spanish)* 2−7322
clamp-on US flowmeter characts. 2−3655
development in West Germany 2−11671
EM, calibration and testing without liquid 2−16956
EM, present states and future possibilities 2−26812
EM, reference, testing installation 2−16955
EM devices and microprocessor influence 2−16904
EM float flowmeter with mag. suspension 2−11663
EM float flowmeters, characteristics linearisation 2−11664
gas, post calibration using digital logic and memory circuits 2−3300
gas streams dust content meas., using flow-type primary transducer 2−16948
hopper held granular material flow monitoring, flowmeter *(German)* 2−22260
hot wire air flowmeter for engine control system 2−26839
hydrodynamic oscillator type flowmeters 2−3298
industrial, Brown Boveri Kent range and developments 2−22223
industrial techniques and flowmeter types 2−16922
liquid crystal devices appl. 2−22263
microprocessor-based two-phase flow meas. 2−16835
monolithic integrated direction-sensitive flow sensor for gas or liquid flow 2−22242
NMR flowmeter, focusing techniques for regional cerebral blood flow meas. 2−11914
NMR flowmeter for blood flow meas. in human legs 2−11912
pulsed thermistor technique for measuring very low liquid flow rates 2−11666
self-heated element solid-state flowmeter, with temp. effect compensation 2−26841
static measurement of flow in a heat meter, from Landis & Gyr. 2−17156
ultrasonic, present states and future possibilities 2−26812
ultrasound multiplexed Doppler microcomputer combination as noninvasive blood flowmeter 2−27160
US, supply-pipe surface roughness effect evaluation 2−17177
US flowmeters, self-balancing AC potentiometer *(Russian)* 2−16754
US multichannel pulsed Doppler blood flowmeter, minicomputer-based 2−11918
US volume flowmeter, transcutaneous meas. of carotid artery flow 2−11913
vehicle diagnostic systems development, for heavy duty truck 2−18666
vortex shedding flowmeter, observations of vortices shedding from rings *(Japanese)* 2−17180
well-type flow-rate meters, with turbine transducers 2−16957
fluctuations
see also Brownian motion; critical fluctuations; current fluctuations; noise; random processes
Gaussian optical beam in random med., intensity fluctuations correlation function 2−21112
Josephson junction, current driven, microwave induced steps, thermal fluctuations and transition rates 2−20586
Josephson junction, voltage fluctuations, microscopic theory 2−20585
mains voltage fluctuations, commercial users, voltage stabilisers, types *(German)* 2−27379
noise phenomena classification 2−25169
optical fibre, multimode, transmitted laser signal, amplitude fluctuation 2−6014
phase random multipath ocean acoustic fluctuations, memory detection models 2−2842
self-excited ring oscillator with N-tuned amplifiers, fluctuations anal. 2−14004
time-dependent dissipative steady states, fluctuations and transition rates, hysteretic Josephson junction appl. 2−25458
tropospheric duct attenuation field, refractive index fluctuations effect 2−25950
fluid composition control *see chemical variables control*
fluid composition measurement *see chemical variables measurement*
fluid instability *see flow instability*
fluid valves *see valves*
fluidic amplifiers
bistable fluidic amplifier in fluidic flowmeter design 2−3298
fluidic devices
flight control, dual input actuator for fluidic backup 2−17491
pyrometer, plasma arc spray coatings 2−11472
valves, proportional piezoelectric electro-pneumatic servovalve design '1981 JACC' 2−15089
fluidised beds
6×6 ft atmospheric fluidised-bed combustion facility status 2−23129
fluidised beds continued
300 MW exhaust-fired fluidised-bed combined cycle for power generation, feasibility study 2−27742
atmospheric fluidised-bed combustion boiler designs 2−23128
atmospheric fluidised-bed combustion plant development, commercialisation strategies 2−27759
biomass gasification 2−3821
combustion, environmental advantages 2−7739
combustion, status and advantages *(French)* 2−12507
combustion systems in electric power generation industry 2−18026
compressed air storage using coal-fired fluidised bed combustors 2−3947
electrostatic, cross-flow type, dynamics 2−10440
FBC industrial and utility applications 2−3899
gas turbines operating on pressurised fluidised-bed combustion flue gas, wear, deposition, and corrosion behaviour prediction 2−27768
impact of new source performance standards on advanced industrial energy technology 2−3896
pressurised fluidised-bed combustion power plants, ceramic fibre filters for hot gas cleaning, evaluation 2−27747
pressurised fluidised-bed combustion power plants, eleven Ca-based desulphurisation sorbents, performance comparison 2−27750
steam generator unit experience at Georgetown Univ., Washington, DC 2−23127
use of fluidized beds in industrial energy schemes 2−3900
Si chunks continuous production process, combined fluidized bed apparatus 2−1275
fluidised powders *see powders*
fluidity *see viscosity*
fluorescence
see also fluorescent lamps; fluorescent screens; molecular fluorescence; nonradiative transitions; X-ray fluorescence analysis
chlorophyll a, laser-induced Raman backscatter and fluorescence 2−7439
dibenzofran, dye vapour, fluorescence characteristics in UV-region *(Japanese)* 2−1955
dye encapsulated in thermoplastic material for fluorescent particle lidar 2−26539
dye in doped polymer matrix, Stokes shift 2−25595
fluorene, dye vapour, fluorescence characteristics in UV-region *(Japanese)* 2−1955
fluorometry, phase-modulation, photomultiplier tube timing errors correcton 2−20048
glass:Cr^{3+} based materials, fluorescent, for luminescent solar collector 2−25596
homogeneous-homeotropic fluorescent liquid crystal cells 2−6062
liquid crystal multicolour fluorescent display by scatt. states 2−6061
optical fibre preform core dia. meas. by fluoresc. 2−20620
poly-N-vinylcarbazole, extrinsic carrier photogeneration, charge transfer fluoresc. quenching by elect. field 2−20730
p-terphenyl, dye vapour, fluorescence characteristics in UV-region *(Japanese)* 2−1955
$CaSO_4$:Dy, Bi, phosphors; X-ray induced fluorescence and phosphorescence 2−15398
CdS, biexciton states, real and virtual, Raman, fluoresc. and radiative recomb. spectroscopy 2−24972
GaP, impurity-doped, efficient linear IR to visible upconversion, IR detect. using NEA photocathode 2−10126
Nd^{3+}:$POCl_3$-$P_2O_3Cl_4$-$SnCl_4$ system, laser performance and fluoresc. lifetime *(Chinese)* 2−10256
W, X-ray fluorescence spectra, least squares anal., Si(Li) detector response function appl. 2−11801
ZnS:$YEuO_2S$ thin film, electrolum. complex centre characts., fluoresc. and time resolved spectra 2−25590
fluorescence of molecules *see molecular fluorescence*
fluorescent lamps
digital electronic displays, construction and operation review 2−17049
discharge lamps, electrodeless, RF excited, as atomic fluorescent spectroscopy sources 2−8077
discharge lamps and fluorescent lamps, developments *(Japanese)* 2−8064
electrokinetic characteristics of fluorescent lamp plasma *(Russian)* 2−4461
fixtures for hazardous areas 2−4463
flicker phenomena caused by audio frequency remote control pulses *(German)* 2−18742
hospitals, EM interference level meas. for operation with solid-state ballasts 2−13064
IC-controlled starter cct., using nonlinear dielectric elements *(Japanese)* 2−13060
integrated reflector, used for lighting efficiency *(Japanese)* 2−8074
Light Capsule screw-in fluorescent lamps, characts. *(Japanese)* 2−8066
low-loss ballasts for energy savings *(German)* 2−28212
Lumi Quick fluorescent-lamp starter, Mitsubishi Electric 2−23729
PA-LOOK fluorescent lamp, characts. *(Japanese)* 2−8065
performance and design, ambient temp. effects 2−13051
phosphors, changing requirements 2−28215
rapid start fluorescent lamps and other multi-port loads, power meas. method 2−4458
recent developments in light sources *(Japanese)* 2−13053
solid-state ballast installation in hospitals, energy savings 2−13069
standard source for vacuum UV region, spectral brightness density meas. 2−3033
starters, design and operation *(Russian)* 2−8075
starting voltage procedure, peak/RMS voltage relationship obs. 2−13055
study of the installed performance of industrial luminaires 2−28225
switch-start energy saving fluorescent lamps; developments *(Japanese)* 2−8067
three-band type, blue phosphor emission spectrum effect on colour rendition *(Japanese)* 2−8068
uniform illumination control, regulation of AC drive signal 2−23743
UV characts. for operation in irradiating installations *(Russian)* 2−28218
fluorescent screens
see also electroluminescence
cathodoluminescent phosphor screens, colour change penetration type, anal. 2−6102
colour TV screens, filter concept, optical capability limits 2−16631
CRT, response speed increasing method 2−3228
CRT anti-glare filter, customer installable 2−24883
dot matrix X-Y display panels, technology, characts. 2−22325
dot-type fluorescent indicator panels, technology, characts. 2−22328
flat VED display panel, with MOSFET switching array 2−26922

fluorescent screens continued
medical rare-earth intensifying screens in radiography, performance of automatic exposure controls 2−17373
multi-colour vacuum fluorescent display tubes, technology, charact. 2−22326
seven segment fluorescent displays, driver and interface hardware for microprocessor systems 2−22337
vacuum fluorescent display devices, used for TV video images 2−22327
fluorimetry *see spectrochemical analysis*
flux (magnetic) *see magnetic flux*
flux creep
see also flux pinning
No entries
flux crystal growth *see crystal growth from solution*
flux flow
see also flux pinning
inhomogeneous vortex motion in single crystalline samples, flux flow noise, mag. field and temp. dependence 2−25447
josephson junction, long, fluxon interactions *(Russian)* 2−9942
Josephson junction, long, fluxon propag. 2−20589
Josephson junctions, long, Fiske steps, dynamic fluxon model 2−20590
Josephson transmission line, Ohmic dissipation due to fluxon motion, anomalous DC current 2−22931
Josephson tunnel junction, large, fabrication and eval. *(Japanese)* 2−9937
Josephson tunnel junctions, intermediate length, fluxon dynamics 2−20588
noise during inhomogeneous vortex motion, DC vel. field depend. 2−25446
two-dimensional superconducting films, vortex noise meas. 2−25448
Nb superconducting bridge, short variable-thickness, vortex flow regime 2−5940
Nb-Pb, Josephson tunnel junctions, long, zero-field steps, temp. depend. 2−20573
Sn-SnO_x-Sn, long Josephson tunnel junctions, resistive branches, step struct. 2−20571
flux-line lattice
inhomogeneous vortex motion in single crystalline samples, flux flow noise, mag. field and temp. dependence 2−25447
research activities at Electrotechnical Institute, Slovak Acad. of Sciences, review 2−9881
flux line motion *see flux flow*
flux pinning
see also flux creep; flux flow
inhomogeneous vortex motion in single crystalline samples, flux flow noise, mag. field and temp. dependence 2−25447
noise during inhomogeneous vortex motion, DC vel. field depend. 2−25446
research activities at Electrotechnical Institute, Slovak Acad. of Sciences, review 2−9881
Nb-Hf/Cu-Sn-Ga, multifilamentary supercond., crit. current, strain effects 2−9886
Nb_3Sn multifilamentary wires, crit. current and pinning behaviour, 4.2K to crit. temp. 2−9898
NbTi, neutron irrad. effects on critical current pinning 2−1638
flux vortex flow *see flux flow*
flux vortex lattice *see flux-line lattice*
fluxmeters
see also magnetic field measurement; magnetic flux
No entries
fluxoid array *see flux-line lattice*
focused collision sequences *see sputtering*
focusing
see also self-focusing
antiproton prod. within fixed acceptance, optimisation and efficiency 2−22462
autofocus system for lens shutter cameras, using NMOS technology 2−20708
dipole magnetic calc. for vel. filter SHIP and fusion expts. computer simulation 2−3432
electron beam circular scanning in dissector, parameters meas. using CRT 2−16899
electron optics of emission systems with electron mirrors 2−2093
electron-optical convertor, Al foil focusing coils construction 2−2106
electrostatic ellipsoidal mirror, fast separator for recoiling and highly charged particle 2−11869
EM isotope separator ion optics 2−2083
ETA gun characts. 2−3359
Fresnel lens integrated on oxidised Si substrate, focusing efficiencies 2−20685
heavy ion beams for ICF, space charge induced emittance growth 2−3323
heavy ion fusion, transverse emittance requirements 2−3322
Heidelberg proton microprobe using 6 MV tandem Van de Graaff accelerator 2−11702
image convertor, high voltage magnetically focused, aberrations and transverse field effects 2−22160
integrated optics, geodesic components, use of aspherical surfaces 2−6043
integrated optics spectrum analyser, aspheric geodesic lenses 2−6044
ion accelerator facility for nuclear bombardment target prep. 2−7252
JAERI magnetic spectrograph design for heavy-ion reaction studies 2−3430
laser beam welding, weld formation, focusing conditions effects 2−8113
laser high power system, apodisation influence on radiation characts. in geometrical focus 2−10333
laser optical system error sensing using scattered light 2−25816
linear solar cell string with diode bypassing illuminated by parabolic-trough sunlight concentrator, shading anal. 2−18557
magnet optics, beam transport for ion implantation processes 2−2089
magnetic reaction particle spectrograph, kinematic effect on characts . 2−3429
magnetic spectrograph ion-optical system, induced aberrations optimisation 2−3431
magnetic spectrograph SPES 4 for particle identification up to 4 GeV/c 2−11870
MAMI microtron, beam optics and magnet technology 2−7250
mass spectrometer using mag. and elec. sector fields, ion optics 2−3433
NMR flowmeter, focusing techniques for regional cerebral blood flow meas. 2−11914
nonlinear distortions correction of light beams by optical system with feedback 2−2010
focusing continued
optical image processing, anthropological methods, informative element separation by defocusing 2−15951
optimum spatial filters for optical defocus sensing, generation rate of blur-image, appl. 2−21387
permanent magnet quadrupoles, variable strength focusing 2−3321
photovoltaic concentrating collectors, linear-focus and point-focus Fresnel lens using Si solar cells, overview 2−23486
polymer light-focusing element, refr. index profile form. during diffusion process 2−20643
relativistic electron beam focusing in high-voltage diode, mag. fields observation 2−11720
SIMS beam optics 2−2082
SNICS, surface ionisation sputter-type ion sources, sputter cathode enhanced axial erosion 2−11776
solar cell linear focus concentrator, actively-cooled photovoltaic receiver, low-cost design 2−18556
solar photovoltaic concentrator project at Phoenix Airport, Arizona, 225 kW capacity 2−18098
tandem Van de Graaff accelerator pulsed beam 2−11742
thick-grating non-divergent focusing device, two dimens. analysis 2−6032
third-harmonic emission at a two-photon resonance/ by focused beams/; optimum conversion conditions/ 2−2018
TWT-refocuser-MDC systems, design, computational procedure expt. verification 2−20026
Li lens for high energy particle beams axially symmetric focusing 2−17201
NaCl, focused laser beam deform., multiphoton polaron and avalanche optical breakdown models 2−6250
Nd:glass laser, aberration cancellation by wavefront inversion, appl. to plasma diagnostics 2−10281
focusing, particle *see focusing; particle optics*
fog
No entries
foils
metal foils and plated wires, electron emission study using flash X-ray spectrum 2−14560
multiple foil bremsstrahlung sources, theoretical and expt. studies 2−17207
perfluoroalcoxy film, nonmetallized electret, charge storage 2−20452
piezoelectric AA for electroacoustic transducers *(German)* 2−17104
polyethylene terephthalate foils, isothermal and TSC 2−5865
resolution capability of induction reading of code scales 2−19675
C, amorphous and graphitised foils, differences in stripper qualities 2−11746
C stripper foil behaviour in ^{127}I beam 2−11748
C stripper foils, radiation lifetimes and failure mechanisms 2−11745
C stripper foils made by DC glow discharge process, physical props. and structure 2−11744
Cu, electrodeposited high-quality coatings for PC appls. 2−14473
Cu foil, PCB, electroplating, effect of manufacturing parameters on ductility/tensile strength of board 2−14481
Cu foils, ultra-thin PCB material development, fine-line circuitry production 2−14460
Fokker-Planck equation
charged particle differential collision terms in S_n appl. 2−22464
charged particle transport in plasma, transport eqn. soln. by matrix factorisation 2−8736
Josephson junction, current driven, microwave induced steps, thermal fluctuations and transition rates 2−20586
multiphoton lasers and multiphoton instability, unified approach 2−6126
optical fibres, graded-index, mode coupling due to microbending 2−9972
reduced Fokker-Planck eqn., finite element soln. 2−8683
two-mode lasers, correl., transients, bistability and phase-transitions analogy 2−6265
food processing industry
beef grading by richness of reflections in US A-scan signatures 2−3656
cattle fodder mixing by AC motor speed control 2−28307
computer aided control system design applied to milk drying plants 2−13129
grain drying, solar heated dehumidification system in India 2−8129
industrial microwave appls. *(French)* 2−23760
small conveyor equipment for dosage of hopper-held and granular material *(German)* 2−23707
sugar mill max. demand monitor 2−28310
forbidden gap *see energy gap*
force control
industrial robot part displacement and grasping force 2−3281
mechanical loading, static and dynamic, instrument with modulating capability 2−17137
rapid transmit systems, dynamic behaviour of controlled permanent lift magnets *(German)* 2−23681
force measurement
see also dynamometers
braking force meas. on commercial vehicles 2−26837
DC electromagnetic grabs, indirect method for determining carrying force *(Rumanian)* 2−25912
deadweight stndardising machine, PW-MO 500 kN *(Polish)* 2−11323
electric traction, contact force measurement between contact wire and contact strip *(German)* 2−28166
electrical force measurement, state of the art and future development *(German)* 2−11632
fluid force acting on accelerating cylinder, use of force transducer for meas., electronic compensation 2−3297
impulsive forces meas. on wind tunnel model, using conventional strain gauge balance 2−12002
industrial robot part displacement and grasping force 2−3281
integrated optical force and stress sensor 2−7078
mechanical loading, static and dynamic, instrument with modulating capability 2−17137
microelectronic ccts. and electromechanical components testing and prod., sensor developments *(German)* 2−26830
multiwire chambers, filament tension meas. device 2−11630
multiwire chambers, filament tension meas. device 2−17136
PCB manufacture, punched laminate parts, perforator force meas. during piercing operation 2−5454
piezoelectric extensometer recorder, for measuring dynamic forces *(German)* 2−17138

force measurement continued
piezoelectric quartz three component force transducers type YDS-III 79B, YDS-III 79K, study and design *(Chinese)* 2−1528
robot sensor, two-dimensional compliant device for force meas. 2−16938
robotic fingers sensor and compliant devices 2−11628
rolling freight trains load monitoring control station *(German)* 2−23711
sensor arrangement for a manipulator gripper 2−11440
sensor-machine interaction identification and quantification 2−22401
wind tunnel facilities, rotary balance development and trial 2−12012
wind tunnel force instrumentation, cryogenic, using strain gauge balances 2−22624
force meters *see force measurement*
forecasting, technological *see technological forecasting*
forecasting theory
gas turbine combined-cycle plants, thermomechanical component reliability forecasting methods, development and validation 2−18038
power and material distribution networks, short term load forecasting methods *(Hungarian)* 2−22859
power system short-term load forecasting, adaptive Kalman filtering appl. 2−3725
probability density function of power system loads 2−22822
thermal power unit reliability, short-term forecasting models 2−27696
forging
No entries
formal languages
see also context-free languages; programming languages
mask generation language, description and appl. including ICs 2−5759
public key protocols, security 2−21647
stored-program telephone switching office automatic programming system 2−6698
formal logic
see also threshold logic
fuzzy sets and probability 2−350
fuzzy systems, decision making, problems concerning construction of algorithms 2−13421
topological model theory with interior operator, consistency properties 2−305
formation, heat of *see heat of formation*
forming processes
see also casting; electroforming
metal forming using radial-mode US vibratory systems, effect of load impedance on response characts. 2−3658
FORTRAN
covariance anal. program 2−19122
FORTRAN IV functions for calculating probabilities associated with Dunnett's test 2−19121
power system computerised control system reliability *(Russian)* 2−19041
vector graphics CRT display system 2−3064
Foucault currents *see eddy currents*
Fourier analysis
see also Fourier transforms; harmonic analysis; waveform analysis
coefficients calc. 2−13382
composition of particular Fourier integral operators *(French)* 2−4706
computation of the magnetic field and of the thrust of the linear synchronous motor with ferromagnetic poles *(Russian)* 2−7874
convergence of Fourier series, acceleration 2−176
convoluted signals, effectiveness of fast method for direct computation of aperiodic convolution 2−21357
digital storage oscilloscopes, Fourier analysis of stored waveforms *(French)* 2−7149
EEG power spectrum, Walsh vs. Fourier estimators 2−11928
even function with monotone Fourier coefficients necessary and sufficient conditions for belonging to Nikolskii-Besov class *(Russian)* 2−19089
Fourier transforms, innovation 2−4718
induction motor PWM waveform performance anal. 2−4165
inductor-convertor bridge cct. anal. using discontinuous functions 2−18356
influence of axial stray-fields on the performance of superconducting machines with high pole numbers 2−7832
nonlinear echoes, phase conjugation, time reversal, and electronic holography, review of expts. 2−26118
periodic generating function, exact Fourier coeffs. 2−13702
power system harmonic anal., using HP pocket calculator *(German)* 2−22775
power systems current source DC link convertor phase effects anal. 2−27464
signal generator, Fourier synthesizer *(German)* 2−14009
surface deformation Fourier analyser, filtering problems 2−3219
three-phase voltage controlled invertor driven induction motor, performance anal. 2−4179
thyristor rectifier, subharmonic composition *(Russian)* 2−23374
time depend. charged particle in crystal, transformation modified singular spherical integrals 2−15622
time sampling nonuniformity, influence on Fourier coefficient calculation *(Russian)* 2−15891
Fe effects on toroidal conductor, magnetostatic field calcs. 2−15609
Fourier series *see series (mathematics)*
Fourier transform optics
see also Fourier transform spectroscopy
achromatic Fourier processor, dispersive lens power paraxial solns. 2−2380
acousto-optical spectrum analyzer, swept frequency 2−1760
astigmatic system for optical transformation of coordinates 2−2386
closed-form object restoration from limited spatial and spectral information 2−10716
cosine transform optical computation with coherent optical Fourier transform system 2−2379
electro-optical filter, for rotationally invariant objects detection *(Russian)* 2−1747
geodesic lens system for high-resolution RF spectrum analyser 2−6053
hologram linear recording using phase modulator shaped by spatial filtering 2−2039
holographic storage, thermoplastic recording media, in two-loop data retrieval systems *(Russian)* 2−2026
holography, achromatic Fourier transform, in temporally broadband light 2−2028
holography, Dennis Gabor memorial symposium, Haifa, Israel (Mar. 1980) 2−18850
hybrid DFT/DPCM interframe image coding efficiency 2−2287
Fourier transform optics continued
hybrid optoelectronic system for wideband complex-valued Fourier transform meas. 2−16890
incoherent system for integral transform realisation 2−15953
integral transforms with Bessel function kernels, optical implementation 2−26153
Lagrangian interpolated binary Fourier holograms, Lohmann hologram phase error modification *(Chinese)* 2−10372
matched filtering, multiple, using sampling spatial filter 2−15950
memories, optical large capacity, correlator appls. 2−2392
miniaturisation limits in optics *(German)* 2−25469
multicolor holographic readout systems 2−20972
photographic image coherent and incoherent optical processing techniques 2−6475
quasi-differentiating concept, possible optical implementation 2−15954
real-time correlator for photon statistics investigations 2−6471
tomographic image reconstruction from limited projections/ using coherent optical feedback/ 2−2369
white light image addition and subtraction by colorimetric meas. *(Chinese)* 2−21366
Fourier transform spectroscopy
coherent optical detection, real time Fourier processing, chirped heterodyne method 2−26853
dielectric spectroscopy utilizing real-time operating system, permittivity meas. appl. 2−11588
electrical insulation degradation investigation methods, Fourier transform infrared spectroscopy study 2−15039
IR imaging instrumentation for plant and equipment testing 2−7038
Michelson interferometer, asymmetric, for direct determ. of far IR opt. consts. of semicond. 2−11645
NMR spectra, accumulation, signal-to-noise ratio 2−7067
resist films, VUV photochem. reactions, Fourier transform IR difference spectra study 2−5651
spectral analyser, integrated acoustooptic, prototype 2−1761
Si, laser-induced amorphous, adsorpt. of O, expt. study 2−25164
Si, oxidation by ion implantation and laser irradiation 2−9566
Fourier transforms
see also fast Fourier transforms; Fourier analysis; Fourier transform optics
adaptive equalisation of discrete channels via fast convolution techniques 2−8430
antenna aperture distribution discretization, effect on field intensity, anal. using discrete Fourier transform 2−10554
B-scan resolution enhancement using Fourier transform holography 2−8903
bispectrum and higher-order spectra, bibliography 2−6452
convolution arrays, generalised time/space approach 2−26142
current carrying bar conductor EM fields calc. 2−15618
differential equations, interior regularity operators 2−13365
digital filter, for realizing algorithm for Fourier transformation 2−10694
digital filter bank with polyphase network and FFT, meas. and applications 2−6447
digital filter banks, nesting implementation 2−24610
digital storage and analysis of speech 2−10669
digital TDM to FDM convertor, transmultiplexer 2−10734
discrete Fourier transform eigenvectors 2−19100
discrete sequency-order Walsh functions, iterative equation *(Chinese)* 2−13800
dynatron oscillator, negative resistance oscillatory cct. anal. 2−756
EEG intervals, spectral decomposition using Walsh and Fourier transforms 2−17383
electromagnetic waves, time, space Fourier transforms appl. 2−10454
electromechanical pulse generator for circulant matrix finding 2−12705
EM field for coil moving over ferromag. layers, Fourier transform calc. 2−15602
Fourier analysis, innovation 2−4718
generalized running discrete transforms 2−19101
impulse response calculation, for certain bandlimited systems 2−8936
interpolated discrete Fourier transform dual-tone multifrequency receiver with phase criterion 2−6700
linear induction motor unbalanced 3-phase voltage magnetic field calc. model 2−4155
linear network analysis, difference operators in discrete Fourier transform *(German)* 2−24368
measurement data compression using orthogonal transforms *(Slovak)* 2−11309
mel-sone spectrum approximation filter 2−19762
modulation transfer functions: definition and measurement 2−8429
MOS switched-capacitor networks, noise anal. using autocorrelation techniques 2−13928
multiple integral asymptotic expansion 2−13796
multipole conductor systems with freq. dependent parameters, digital determ. of rapid transient processes *(German)* 2−12220
multistage wave digital filter transmultiplexer realisation 2−6681
orthogonal set/ based on Bessel functions/ of the first kind 2−526
permanent magnet synchronous motor slotting effect field anal. 2−12621
reconstruction sampling schemes 2−4715
reticle system anal. and simulation *(German)* 2−6446
SAW time inversion system distortion estimation, based on delta function approx. 2−6425
signal representation, experimental investigation of errors 2−10614
signal synchronisation and decoding 2−2279
spatial Fourier techniques and end effects in the single-sided linear induction motor 2−27947
tapering, key role in spectrum estimation 2−2340
transmultiplexers, implementation by polynomial transforms 2−26319
US images, lateral resolution improvement 2−22764
video hybrid coding by picture domain segmentation 2−10624
Wiener estimator for inversion of linear operators and superresolution 2−10706
Winograd short-length discrete Fourier transform algorithms, fixed point error analysis, effect of correlation between truncation errors 2−19392
writer recognition 2−2393
X-ray film/screen systems, modulation transfer function, math. modelling 2−17315
fractional-horsepower motors
bearing lubrication system, effects on working life *(German)* 2−7881
DC motor speed control cct., using CSF UAA 4004 IC, 220 V supply *(French)* 2−4219
electronics in small electric appliances *(German)* 2−23785

fractional-horsepower motors continued
magnetic field distribution in two dimensional domains in nonlinear and anistropic media determination by finite element analysis, permanent magnet DC motor appl. *(Italian)* 2−10420
permanent-magnet excited, transistor control for high-torque drive systems *(German)* 2−7882
squirrel-cage, with hybrid rotor dynamic behaviour 2−4251

fractionation *see distillation*

fracture
see also brittle fracture; cracks; creep fracture; ductile-brittle transition; ductile fracture; fatigue; fracture toughness; stress corrosion cracking
acoustic emission waveform analysis 2−8860
elastic waves and microstruct., conf., Oxford, England (Dec. 1980) 2−13875
engineering materials, quantitative US eval. of mech. props., review 2−8879
glass optical fibres, precision fracture 2−20656
mica flake integrated sheet/epoxy laminates, mech. and elec. props. 2−13860
optical fibres, low-strength breaks, fractographic anal. 2−1727
β-phase membrane with oriented conduction plane, ion transport in Na-Na cells 2−18441
steel, mild and structural, AE associated with fracture processes 2−13876
steel, Ni (3.5 wt.%), AE during deform. and fracture, microstruct. effect 2−13879
steel, stainless AISI type 304L, straight pipe for LWR, fatigue and fracture behaviour 2−12388
steel, structural and weldments, AE rel. to deform. and fracture 2−13877
steel linear design for nuclear reactor containment vessel 2−7661
superconducting windings, epoxy-impregnated, training mechanism 2−5977
Al and Al alloys 7075 and 7050, AE during tensile and compressive deform., microstruct., effect 2−13891

fracture strength *see fracture toughness*

fracture strength testing *see fracture toughness testing*

fracture toughness
see also notch strength
glass ceramics, fracture toughness meas., SEM secondary electron and backscattered electron image appls. 2−8871
steel, austenitic stainless, N strengthened, props., for cryogenic magnet structs. 2−8840
steel, C, US prediction of grain size, strength and toughness 2−8883

fracture toughness testing
see also notch testing
bisphenol A epoxy resin props. for radiation-resistant magnet coil insulation 2−2104
hot workability testing apparatus, for flow stress determ. and fracture 2−621
steel, cleavage controlled instability monitoring by AE 2−13871

Fraunhofer lines *see solar spectra*

free electron lasers
amplifier, design considerations and simulation 2−10181
amplifier, numerical two-dimens. model 2−10185
cavity resonator mode theory 2−25811
Cherenkov free electron laser model, S-matrix theory 2−20775
Cherenkov Raman free electron lasers, theoretical and expt. performance 2−25663
classical electron generator advancement into short-wavelength bands, review 2−20772
coherent and incoherent radiation with axial guide field 2−10182
coherent Lienard-Wiechert fields produced by free-electron lasers 2−20780
collective-interactions, mag. field effects at millimetre wavelengths 2−25658
Compton free electron laser, axial DC elec. field, high power visible radiation generation 2−25654
cyclotron autoresonance masers and relativistic gyrotrons, theoretical discussion 2−14579
gain in uniform magnetic field, soln. for arbitrarily strong EM radition fields 2−25650
gain mechanism for helical and planar magnet arrays, one-dimens. anal. 2−15426
hamiltonian model, cooperative and chaotic transition 2−25657
harmonic generation, linearly polarised wiggler, CW calcs. 2−25659
harmonic generation, quasiperiodic wiggler theory 2−20779
instability for relativistic annular electron beam propag. through helical wiggler field 2−20778
introduction, basic principles, electron bunching, recoil and spread 2−1831
introduction, operation and appls. 2−1825
isochronous storage ring, free electron laser electron source, theory 2−6127
laser optics, conf., Leningrad, USSR (Jan. 1980) 2−18844
LELA undulator design 2−11710
magnetic diffusive wiggler pump, spatially periodic 2−1824
magnetic resonant 3-D kinetic theory 2−25812
multimode free-electron lasers with inhomogeneous freq. broadening, quasi-linear theory 2−25656
multiphoton processes, EM wave amplification *(Russian)* 2−10183
multiple beam lasers and optical klystrons 2−20771
nonlinear theories, review 2−25660
optical autocorrel. function of 3.2 μm free electron laser 2−25808
optical klystron description and physical mechanism 2−1828
oscillation mechanism for relativistic electron beam immersed in transverse static mag. field 2−20781
quantum theory, stimulated emission of bremsstrahlung in periodic mag. field 2−20774
Raman free electron laser expt. at MM wavelength 2−25661
recent advances in free electron lasers 2−10184
relativistic electron beam, interaction with EM wave, free electron laser theory 2−1830
research and applications, review *(French)* 2−15428
second harmonic generation, Feynman diagram technique 2−15429
stimulated free-electron laser radiation from single-electron oscills. in mag. wiggler field 2−10186
stimulated radiation of a high-current electron beam in a periodic magnetic field 2−20769
theory, collective effects on operation, with axial guide field 2−25664
theory, quantum and classical aspects 2−15430

free electron lasers continued
three dimensional nonlinear theory 2−20770
three-dimensional nonlinear theory of free electron laser 2−15424

free field rooms *see anechoic chambers*

freezing
see also refrigeration
domestic refrigerators and deep freezers, employing electronic protection and control circuits *(German)* 2−4481

Frenkel defects
Si, bipolar devices, pulsed neutron irrad. rapid annealing factor 2−25205

frequency agility
see also information theory
frequency agile radar systems technology, charcts. *(Spanish)* 2−21863
radar, PLLs upconvert chirp radar signals 2−2826

frequency allocation
amateur bands, 70 cm, development 2−16539
bandsharing spread-spectrum system with TV broadcast channels, improved use of spectrum for land mobile radio 2−2709
broadcast services in Europe 2−26569
business radio system frequency coordination, NABER advisory service 2−2661
channel frequency spacing selection in VHF/FM sound broadcasting 2−26567
digital local-area radio-links network, RF assignment problems, network optimization algorithm appl. 2−2692
digital radio systems, freq. usage and modulation techniques, appls. 2−6748
FM broadcast stations, proposals for more efficient spectrum utilization 2−21898
French regulations for TV and radio broadcasting and receiving centres protection from electromagnetic interference *(French)* 2−26570
geostationary satellites, efficient utilization to reduce natural interference 2−21897
German Federal Railway, freq. allocation planning for radio systems *(German)* 2−10996
improved utilization methods *(German)* 2−11132
interference protection regulations, technical aspects 2−26572
partial backtracking heuristic technique 2−21900
police radio links in USA 2−16540
radio networks using optimisation techniques 2−26568
radio spectrum usage, analysis using software tools 2−21899
radio transmitter networks, optimum freq. and power assignment 2−26571
radiotelephony, MM-wave subscriber links, attenuation aspects, freq. allocation, equipment 2−6762
satellite Earth station frequency coordination 2−26476
transmitter network planning 2−6883
TV spectrum management algorithms 2−21896
UHF urban propagation expts. for sound broadcasting for mobile reception *(French)* 2−21918
VHF RTTY communication possibilities and difficulties 2−26232

frequency changers *see frequency convertors*

frequency control
see also automatic frequency control
AC adjustable frequency motor control for process pumping systems 2−12976
Buenos Aires Province interconnected power system frequency control *(Spanish)* 2−22791
chiller capacity frequency control 2−28251
compensation network, using active filters 2−19787
constant voltage invertor driven induction motor starting current limitation 2−4183
convertor-fed induction motors control and tuning by microprocessors *(Flemish)* 2−23286
design of decentralised load-frequency regulators for interconnected power systems 2−22845
dye laser on at. reference scanned by mag. field *(French)* 2−6191
electricity supply voltage frequency adjustment, periodic signal frequency sensor 2−12313
gear cutting process 2−3240
Gorzow power station automatic control of frequency and active power using electrohydraulic controls *(Polish)* 2−22814
induction motor speed control for drive economy and productivity 2−27904
induction motors operating with variable frequency power supplies 2−7848
invertor for induction motor speed regulation *(Russian)* 2−27926
microwave oscillator frequency, stabilisation by subharmonic driving frequency *(Croatian)* 2−24431
multiple-channel quadrupole parameter control system automation *(Russian)* 2−11217
PLL controlled Gunn diode oscillator, portable caesium standard appl. 2−17142
power generation control by shifting eigenvalues of a closed loop system 2−27382
power interconnection duty control by frequency and active power *(Russian)* 2−22808
power system, load frequency control via constant limited-state feedback 2−3680
power system with reheat steam turbines and governor deadband nonlinearity, load-frequency control parameter optimisation 2−22844
power systems, integrating renewable energy sources into small systems 2−17665
quartz crystal IC oscillator, single-chip, frequency counter control appl. *(German)* 2−9832
secure and economic automatic generation control principle 2−7511
servo-control system, freq. and amplitude stabilisation of CW CO_2 laser 2−1870
synchronous motor, frequency controlled, operating regimes anal., energy loss minimisation 2−18192
synchronous motor adjustable frequency drives for large mechanical-draught fans 2−18643
variable frequency centrifugal pump motor drive, optimal charcts. 2−18649
voltage source invertor-fed machines, influence of volts/hertz control on filter impedance effects 2−18255

frequency convertors
see also frequency dividers; frequency multipliers; mixers (circuits); optical frequency conversion
1.3 GHz, for radio receiver, construction and alignment *(German)* 2−11181
70 cm/2 m receive convertor for 70 cm band use 2−21736
AC variable speed drives, eddy current and variable frequency invertor, choice and appls. 2−8024
asynchronous machine, frequency convertor-fed, steady state and transient behaviour anal., math. model *(Russian)* 2−4143
bridge type, load unbalance calc. *(Russian)* 2−23362
coal-fired power stations, firing control by static frequency convertors 2−7715
complete subsystem convertor cascade with 6/12-pulse feedback system, digital simulation 2−23665
DC-link converter, spectral analysis of voltages and currents *(German)* 2−18315
digital-frequency integration, error computation *(Russian)* 2−5169
electric motors in thermal power plants, speed control through static frequency convertors *(Rumanian)* 2−27867
electrodynamic model tests on an electromechanical frequency changer for flexible coupling of electric systems 2−4275
estimate of control characteristics for the frequency convertor running in self-contained power supply systems *(Russian)* 2−4300
FAK-P facsimile equipment as a recorder in seismic profiling systems 2−3199
frequency-voltage convertor with high dynamic performance *(German)* 2−7923
frequency-voltage transducer, working principle and electronic circuit *(Rumanian)* 2−16960
HF convertor cct. for SW communications receivers, PW Hythe multimode marine band receiver 2−21740
medium frequency induction plants static frequency convertors construction and operation *(German)* 2−23761
microwave frequency convertors, theory, appls. *(Italian)* 2−19599
microwave frequency upconvertor using excited Gunn diode operating in domain suppressing mode 2−14291
multiphase silicon convertors control algorithm for long distance traction vehicles *(Polish)* 2−28176
noise factor calc. in general case 2−19829
parametric frequency up-conversion of electromagnetic waves in bounded electron beams 2−26026
Plessey SL6440 mixer IC, using transistor tree 2−24452
proton storage ring appl. as synchroinductron for converting low freq. AC energy to microwave energy 2−4297
pulsed microwave signal freq. shifting using Gunn diode in waveguide resonator 2−14292
PWM, voltage harmonic composition *(Russian)* 2−23363
PWM static frequency converter for supplying sets of three-phase electric motors in elec. drive system 2−27996
quasimonopolar modulation design *(Russian)* 2−23361
RLC-circuit response to impulsive voltage with pulse-width modulation *(Russian)* 2−18321
rotary current propulsion with frequency inverters *(German)* 2−27863
rotary frequency convertor with an adjustable autotransformer, design *(Russian)* 2−4301
satellite communication system, India, telephony, TV broadcasting appl. 2−21688
spectral analyser convertor with field replaceable diodes, 50 kHz to 21 GHz 2−16910
static, high power, with constant DC voltage intermediate circuit, for electric heating of trains *(Rumanian)* 2−28244
static frequency convertor, mains guided, dynamic behaviour *(German)* 2−12717
static frequency convertors for the auxiliary power supply on electric locomotives and multiple-unit trains 2−27995
synchronous drive, with thyristor frequency convertor, math. model. 2−4391
synchronous motor drives, three-phase, industrial appl. 2−28150
three-phase asynchronous electric drives with freq. convertors, physico-math. modelling *(Russian)* 2−23662
thyristor frequency convertors, for induction heating, power cct. voltages and currents *(Czech)* 2−12709
thyristor frequency convertors type YRRA for induction motor drives 2−27992
transferred electron diode frequency converters, exptl. investigation 2−19828
valve convertor with generalised single-channel control system, dynamic model *(Russian)* 2−28003
variable static frequency converters for motor drives 2−18326
VHF convertor for 2 m band CW and SSB operation 2−26386
voltage stresses on induction motors powered from DC intermediate circuit frequency converters *(German)* 2−23285
voltage to frequency convertor using 441 Bi-FET op. amp. 2−13976
GaAs FET receiver for 12 GHz satellite TV broadcasts 2−21951

frequency dividers
AEG-Telefunken freq. dividers, with high input sensitivity *(German)* 2−19810
HF and microwave generators with low phase noise, test methods *(German)* 2−9045
quartz resonator, nonlinear resonance, non-rational frequency division *(French)* 2−20470
single-chip fixed-rate divider CA 3163, appl. to extend range of low-frequency counter up to 1 GHz *(Italian)* 2−11511
square-wave generator f-2 f signal source with phase-shift, fixed frequency 2−14013
UHF prescaler circuit for VHF freq. counter 2−9198
GaAs *(French)* 2−14040
GaAs appl. examples *(French)* 2−1383
GaAs MESFET digital ICs for very high speed freq. division 2−9061
GaAs MESFET quasi-normally-off for high speed frequency dividers 2−20398

frequency division multiplexing
565 Mbit/s transmission system development on 2.6/9.5 mm coaxial cables 2−6686
cylindrical concave diffraction grating, manufactured with multimode slab waveguide 2−15362
digital mobile radiotelephone system using TDMA/FDMA scheme 2−21761
digital TDM to FDM convertor, transmultiplexer 2−10734

frequency division multiplexing continued
equipment for FDM systems off all bandwidths, survey of new and conventional equipment 2−10907
FM signal transmission experiments via Japan's communications satellite *(Japanese)* 2−16420
FM/FDM modulated radio carrier, simulation for interference and intermodulation calcs. 2−21732
hypergroup codec, interworking analog/digital transmission systems appl. 2−10894
Intelsat, single channel per carrier equipments *(German)* 2−10730
microwave radio-relay systems, analogue FDM/FM and digital FSK transmission, outage and compatibility 2−26395
modular remote FDM monitoring system 2−7019
monolithic integrated micrograting and photodiodes for wavelength demultiplexing 2−25536
multi-channel systems digital signal processing using frequency division of channels 2−26172
multichannel frequency division ccts. of filter type, synthesis 2−19497
multiple-service PCM-carrier light wave systems, operational considerations 2−11098
optical all-fibre directional couplers, single-mode and multimode, for WDM 2−5983
passive multiplexing techniques, for fibre optic sensor systems 2−5993
phase comparison sinusoidal FSK demodulator simulation and development 2−6808
radio link analysis, by means of minicomputer *(Slovenian)* 2−10958
radiotelephone, digital system, TD/FDMA scheme 2−11006
spectral equaliser for HF broadband signals utilizing WDM techniques 2−2800
supergroup codec, interworking analog/digital transmission systems appl. 2−10893
telephone network, line and terminal equipment, review 2−16033
terminal equipment of the 60-channel frequency multiplex system of German railways. II *(German)* 2−16267
wavelength, optical fibre telephone field trial system, Sugar Land, Texas 2−6840
wavelength division multiplexing, operation and potential 2−2792
wavelength division multiplexing transmission over multinode optical fibres 2−26508
wavelength-division-multiplexing light wave system employing dual-wavelength LEDs and photodetectors 2−11080

frequency-domain analysis
see also frequency-domain synthesis
array adaptive noise cancellation with wanted signal leakage 2−27311
flight data computing aircraft parameter estimation 2−22606
lumped linear passive RLC networks; exact equivalent ccts. 2−5070
lumped parameter linear networks, one-dimensional minimax algorithm based on biquadratic models 2−24372
lumped/distributed networks, state-space anal. in time and freq. domains 2−13916
multiconductor power transmission line, digital filter model 2−3770
multiconductor transmission-line parameters determ. in freq. domain, iterative method 2−8952
nuclear power plants under seismic loads, dynamic anal. with finite elements 2−12355
power transmission line fault distance computation by microprocessor from line impedance change *(German)* 2−27570
superconducting generator transient behaviour 2−4079
switched capacitor networks, frequency-domain analysis, using analogue two-port equiv. ccts. 2−19525
switched-capacitor filters, Pauper's algorithm 2−19521
switched-capacitor networks, frequency-domain anal. using continuous-time two-port equivalents 2−5076
voltage source invertor/synchronous machine drive systems, steady-state perform. 2−18664
wind power-plants, frequency domain techniques for determining effects of new source technologies 2−17650

frequency-domain synthesis
see also frequency-domain analysis
flight simulators, digital sound simulation techniques 2−7370
linear circuit CAD, ACLINE, AMPSYN and CADSYN programs *(French)* 2−19509
multichannel frequency division ccts. of filter type 2−19497
phase shifter, using all-pass filter with RC-pump element *(Rumanian)* 2−24622

frequency doublers *see frequency multipliers*

frequency measurement
see also atomic clocks
Bragg filters in optical fibres, freq. response meas. by thermal scanning *(French)* 2−15366
broadband instantaneous microwave freq. meas., discriminator technique, low-cost appl. 2−26949
comparator of small frequency deviations on the basis of phase detection 2−17087
counters, survey of available models 2−17009
crystal resonators, measurement of series resonance frequency and effective series resistance 2−5870
FM deviation measurement based on 'zero of instantaneous frequency' 2−26083
frequency-voltage transducer, working principle and electronic circuit *(Rumanian)* 2−16960
gear cutting process 2−3240
GHz range measuring instruments, charact. *(Swedish)* 2−17084
He-Ne/I_2 laser as a frequency standard in the visible spectrum 2−25888
matching device with automatic selection of matching factor 2−17086
MM wave frequency measurements using computer, harmonic mixer, LF counter, microwave synthesizer *(German)* 2−16805
narrow band random signal mean frequency measuring method using ternary signal auto correlation function *(Japanese)* 2−22344
OMA 50-kH standard time, frequency transmission system, controlled by caesium clock 2−26970
operational amplifier charact., using automatic meas. system with standard bus interface 2−11374
Philips PM6673/6 frequency meters with microcomputers *(German)* 2−17008
precision remote comparison of time and frequency *(Japanese)* 2−11633
radio freq., flying high-freq. laboratory developed by Polish Institute of Telecommunications *(Polish)* 2−11337
resonant frequency and Q-factor meas., using minicomputer-based system 2−11377

frequency measurement continued
scales comparison, Loran-C system appl. 2−3239
stability measurement methods *(German)* 2−11577
standards in very-long-baseline interferometry, coherence limits 2−17561
standards stability improvement, cooling atomic ions with lasers 2−11317
time-domain reflectometry automated, using stroboscopic convertor, accuracy increase 2−3053
transit frequency of A109 operational amp. *(German)* 2−9005
visible laser line freq. difference meas. up to 170 GHz using MIM point contact diodes 2−11642
$^{13}CO_2$ laser hot band transitions, heterodyne freq. meas. 2−10327
Rb standard, passive, S/N ratio and short-term stability 2−17085
Si p-n junction, cut-off freq. meas. using chopped photon beam 2−20124

frequency meters
see also wavemeters
7.1 GHz automatic frequency counter, using microprocessor control *(French)* 2−17014
9303 RF level meter, Racal-Dana 2−16780
analogue hybrid meter, using constant pulse width/decade divider systems 2−7147
CB radio, 27 MHz FM deviation meter 2−26869
counters, survey of available models 2−17009
DFCM 500 8-digit freq. and capacitance meter, mains or Ni-Cad battery operation 2−22293
digital frequency counter, 200 MHz, display modification for illumination of relevant decimal points 2−7119
direct reading frequency meter, construction details 2−16999
HD-1250 dip meter, Heathkit, 1.6 to 250 MHz range 2−17002
Lambda metre resolution enhancement using novel freq. metre 2−11647
low frequency range expansion up to 1 GHz using CA 3163 single-chip divider *(Italian)* 2−11511
optical photodetector, freq.-characteristic meter 2−17019
overload protection by suitable design 2−16997
Philips PM6673/6 frequency meters with microcomputers *(German)* 2−17008
statistical analysis of meas. results, using simple attachment 2−7139
Triplett Model 7000 universal counter 2−11503
UHF prescaler circuit for VHF freq. counter 2−9198

frequency modulation
see also frequency shift keying; pulse frequency modulation
audio, lock-in amp. using a 4-quadrant analog multiplier and PLL 2−6445
automatic modulation meter, construction and calibration 2−22292
calibrator for use as a modulation standard 2−15823
combining units for FM transmitters *(Italian)* 2−16577
convertor, FM-AM, computer-aided analysis, for satellite broadcasting receivers *(Chinese)* 2−26460
deviation measurement based on 'zero of instantaneous frequency' 2−26083
digital FM transmission system, performance characts. 2−21431
digital narrow-band system, error rate theory, time domain approach 2−15805
digital phase-locked loop for generating frequency discriminating digital words 2−24457
dual-gate MESFET SHF broad-band active phase-shifter 2−5354
EM pulse wave diffr., characts. 2−2147
fibre optic transmission systems, remote supervision 2−11099
FM mobile receiver in quasisynchronous field, analysis of response 2−2710
FM oscillators with nonlinear oscillating cct. *(Bulgarian)* 2−754
FM/FDM modulated radio carrier, simulation for interference and intermodulation calcs. 2−21732
fractional order sinusoidal oscillators, optimisation and appl. in linear FM 2−5136
hybrid monitor receiver for low band FM VHF 2−24838
interference cancellation cct., design and performance 2−21120
LF communication link using domestic mains wiring, sound-modulated transmitter and matching receiver/decode-r 2−6737
limiter-demodulator ICs, Hitachi HA11225 and Toko KB4441, receiver appls. 2−14031
microwave radio relay systems carrying analogue and digital channels, outage probability determ. 2−26403
microwave radio-relay systems, analogue FDM/FM and digital FSK transmission, outage and compatibility 2−26395
mobile radio telephony, SSB AM vs. FM at VHF 2−10990
modified FM code, elimination of redundant flux changes, encoding procedure 2−26088
multichannel radiotelephony, two-channel interference compensator for FM signals, synthesis, anal. 2−16375
optical fibre, wideband FM signal conversion to AM through group velocity dispersion 2−25526
radio broadcasts, digital station and programme identification message 2−11142
radio relay systems to transmit digital signals using 8448 Kbit/s interface 2−10968
receiver response determ. using PM transmitter 2−6912
single-channel-per-carrier modulation system for domestic satellite systems 2−10621
spike noise and modulation theory 2−2244
stable modulator using phase unstable PLL 2−26079
stereophonic broadcasting, technical standards *(Japanese)* 2−2865
tamed FM, narrow spectrum, digital transmission appls. 2−15824
VHF direct conversion IC receiver, noise perform. 2−16344
AlGaAs injection-locked semiconductor laser, optical FM signal amplification and FM noise reduction 2−10287
GaAs MESFET X-band oscillator, optically frequency modulated 2−14300

frequency multipliers
abrupt-junction millimetric varactor doublers using Schottky diodes, anal. 2−9225
application in induction motor drives 2−14275
digital, Z *(Japanese)* 2−9213
digital phase-locked loop for generating frequency discriminating digital words 2−24457
Gunn diodes used for freq. multipliers, experimental investigation 2−9234
HF and microwave generators with low phase noise, test methods *(German)* 2−9045
HF for Doppler signal, laser velocity meter *(Russian)* 2−890
IC U 124 D appl. in timing circuits *(German)* 2−879
low-frequency meas., PLL appl. *(German)* 2−897

frequency multipliers continued
matching device with automatic selection of matching factor 2−17086
near-MM wave range, harmonic generation by thin MOS-structures 2−24718
nonlinear multivalued devices 2−8957
phase fluctuations resulting from inherent parametric noise, in freq. multipliers using stored charge diodes *(Russian)* 2−24639
phase shift frequency multipliers 2−24624
position control bidirectional incremental shaft encoder, using frequency multiplier *(Italian)* 2−9187
Schottky-barrier diodes in millimeter wavelength 2−19877
shaft encoder resolution, simplified multiplier cct., using multiplexer, shift register, logic gates *(Italian)* 2−9188
superconducting point contact in resonator, Josephson nonlinearity, freq. synthesis from microwave to optical range 2−1629
triangular waveform-driven frequency multipliers *(Polish)* 2−19830
voltage transformer frequency tripler with three-phase output *(Polish)* 2−24640
GaAs dual gate MESFET appls., freq. doubler in 5 to 7 GHz range 2−19865
GaAs semiconductor, frequency doubling with negative differential conductivity 2−19882

frequency regulation *see frequency control*

frequency response
AF amplifier, LM 389, appl. for ceramic head input, accurate freq. response, negative feedback *(Spanish)* 2−11301
AF signals, freq. response characts. in eight octave bands over dynamic range of 30 dB, Audio Analyser measurement/display 2−2992
amplifier with gain and frequency response independent of operating point 2−13986
analogue information processing, module units *(German)* 2−5131
analyser instrumentation, microprocessor control, single sinewave stimulation, Solartron 1250 2−26717
antenna phased arrays, optical illumination, freq. charact. 2−21241
bipolar ICs, computer aided prediction of HF performance limits 2−25336
capacitor plates, current density distribution nonuniformity calc. *(Russian)* 2−9248
computerised system meas. error 2−26698
current and voltage harmonics in HVDC transmission *(German)* 2−27463
discrete sampling gate convertor, nonlinear model 2−24634
display circuit, description and applications 2−9170
electricity supply voltage frequency adjustment, periodic signal frequency sensor 2−12313
filter design, handbook 2−4570
filter with a quadratic phase-freq. charact. to a linearly freq.-modulated pulse 2−815
FM receiver response determ. using PM transmitter 2−6912
frequency-dependent impedance, of coil embedded in solid iron slot 2−9252
hybrid transformer compensated with balun and coil, distributed parameter anal. 2−23347
hydroelectric power station isolated operation anal. by frequency measurements and simulation studies *(German)* 2−27801
IIR Nyquist filter with zero intersymbol interference, freq. response approximation 2−24611
impact loading of isolated generators 2−17968
linear phase analog active filters with equiripple passband responses 2−5280
linear time invariant causal digital filters, transfer function from real part on unit circle 2−24617
logarithmic current-voltage convertor with transistor feedback *(German)* 2−9199
logarithmic processing memory-oriented transmultiplexer model implementation and testing 2−2603
loudspeaker mechanical parameters synthesis by electrical means 2−3008
low-pass filter design using computer techniques, calc. of freq. response *(German)* 2−13915
lumped parameter linear networks, one-dimensional minimax algorithm based on biquadratic models 2−24372
magnetic recording, digital, high density, DC null equalization 2−20506
magnetic recording, equalization with arbitrary input-arbitrary output LC filters 2−20504
microwave asymmetric filter design for satellite communication applications 2−26489
minimum phase circuits, group delay charact. computation from meas. amplitude charact. *(Czech)* 2−19506
non-inverting operational amplifier, freq. response extension using feedback *(German)* 2−743
optoelectronic noncontacting potentiometer, frequency range extension *(Russian)* 2−1775
parameters of equivalent loops in equivalent circuits for the rotor of a generalized turbogenerator 2−18171
photodetectors, ultrawide frequency response meas. method 2−26848
power system disturbances, coherent generators identification using frequency response 2−3691
power system dynamic stability analysis 2−22841
power transformers, damage detection methods *(Rumanian)* 2−12691
rotated digital filters, effects of quantisation errors 2−5292
ship satellite communication antennas, control analysis for direct mechanical stabilisation 2−10588
speed regulator systems design and control algorithms, for tape recorders *(Polish)* 2−2954
switched-capacitor impulse-filters, time-varying parameters, CAD, freq. response anal. *(German)* 2−24601
switched-capacitor networks, computer aided analysis program, SCANAL 2−13930
transfer function construction with prescribed phase and amplitude characts. 2−24585
unbalanced stripline, current distrib. of fund. and higher modes of normal waves using Galerkin's method 2−21182

frequency shift keying
4 GHz TD radio link, 20 Mb/s FSK digital transmission expt. 2−6765
binary FSK Communication systems subjected to impulsive noise, error rate prediction 2−15806
binary FSK communication systems subjected to impulsive noise, error rate prediction using 2nd order technique 2−15807
continuous-phase FSK performance in nonlinear satellite channels 2−6807
convolutional coding and Viterbi decoding with noncoherent CPFSK, simulations 2−10637

frequency shift keying continued
digital, Rayleigh fading channels, bit error rates of selection diversity systems 2−11007
digital frequency-shift keyer, fundamental spectral charact. 2−10622
digital land mobile radio systems using min. shift keying with differential detect., transmitter diversity 2−11000
digital radio systems using PSK and FSK modulation, transmit filters, required bandwidth 2−2663
error rate meas. on 1200 bits per sec data on mobile radio 2−26454
frequency-hopped MFSK communication system, freq. synchronisation 2−6481
frequency-hopped multiple FSK communication system, time synchronisation 2−6769
half-duplex FSK data modem using Intel 8748 single-chip microcomputer 2−6659
M-ary variable index continuous phase FSK, power spectral density expression 2−15814
microwave radio relay systems carrying analogue and digital channels, outage probability determ. 2−26403
microwave radio-relay systems, analogue FDM/FM and digital FSK transmission, outage and compatibility 2−26395
minimum shift keying systems, influence of two-path propagation 2−15815
mobile radio system, digital, MFSK system performance 2−16388
optical FSK heterodyne detect. expts. using semicond. laser transmitter and local oscillator 2−2783
phase comparison sinusoidal FSK demodulator simulation and development 2−6808
precorrection concepts for mobile terminals with processing satellites 2−2776
processing satellites, impact of time and freq. errors on satellites with MFSK modulation 2−11068
programmable digital signal processors, voiceband modem implementation techniques 2−7066
satellite channel, transpondser nonlinearity effects on SFSK and MSK, comparison 2−2765
SPREAD SPECTRUM signals, description as stochastic processes 2−6454
spread-spectrum multiple-access communication, slow-frequency-hopped, error probability bounds 2−6493
spread-spectrum multiple-access technique, quasi-independent freq. hopping 2−6770

frequency stability
see also frequency control; laser frequency stability
dielectric resonator on dielec. substrate, reson. freq. stability 2−5337
fractional order sinusoidal oscillators, optimisation and appl. in linear FM 2−5136
GHz range freq. stabilisation circuit *(German)* 2−9022
klystron microwave oscillators, method for stabilizing frequency 2−14002
LSA microwave oscillators, freq. locking 2−9219
measurement methods *(German)* 2−11577
microwave dual-gate MESFET oscillators, X-and Ku-band, freq. stabilization using dielec. resonators 2−24713
microwave oscillator frequency, stabilisation by subharmonic driving frequency *(Croatian)* 2−24431
parametric frequency up-conversion of electromagnetic waves in bounded electron beams 2−26026
power system dynamic response with limited variations in voltage and frequency, modeling procedure 2−12176
quartz oscillators, factors affecting freq. stability *(German)* 2−5869
quartz oscillators, freq. detuning *(Czech)* 2−5876
RC oscillators, thermal compensation of frequency instability 2−14006
reflex klystrons frequency stability study using phase lock technique 2−9362
SAW oscillators for Transit satellite marine navigation system receivers 2−2844
UHF injector for linear electron accelerator 2−27024

frequency synthesizers
see also frequency convertors
adjustable timing generator, with rectangular pulse train shifting capability 2−14020
AM/FM tuning systems using PLL frequency synthesis, Mitsubishi Electric product 2−19603
astatic analogue-digital PAFC system basis for freq. synthesizer, expt. investigation 2−11501
binary code-frequency conversion type, LF disturbance, output harmonics calc. *(Russian)* 2−752
channel/programme number display for TV receivers *(German)* 2−26611
citizens' band frequency synthesis 2−11002
CMOS LSI frequency synthesizers, HEF4750, design problems 2−13997
digital, with 1 MHz per ms scanning rate and absolute phase reproducibility 2−14015
direct and indirect methods, for tuning systems *(German)* 2−11177
HF and microwave generators with low phase noise, test methods *(German)* 2−9045
J-band, using Gunn VCO to drive GaAs FET amplifier 2−5355
MC 145 151/2, Motorola ICs, for freq. synthesis *(French)* 2−24427
MG443A, high output level accuracy, communication line meas. *(Japanese)* 2−11497
microprocessor based frequency synthesiser system for TV receivers 2−16612
periodic waveform synthesis techniques *(Italian)* 2−5265
phase-locked loops *(German)* 2−9016
programmable digital sinewave synthesizer 2−766
SAW device application, fast settling direct synthesizer design 2−1539
single chip synthesizer, used for AM, FM broadcast reception *(French)* 2−19580
sinusoidal signal generators with tied frequencies *(French)* 2−19581
specification requirements for various applications 2−753
stereo tuner with frequency synthesizer for high quality Hi-Fi set up *(German)* 2−11182
TN 2700 carrier telephony system, measurement apparatus, 300 Hz to 5 MHz *(Polish)* 2−17029
tuning systems for VHF reception *(German)* 2−14000
TV equipment, phase noise effects in broadcasting equipment 2−16575

frequency synthetizers *see frequency synthesizers*

frequency triplers *see frequency multipliers*

friction
O-ring wear test machine 2−648
sliding friction between stylus and record groove, determination 2−26661

frictional electricity *see triboelectricity*

FSK *see frequency shift keying*

fuel
see also coal; fission reactor fuel; pulverised fuels
260 MWe combined cycle power plants burning low-grade fuels, economic comparisons 2−27756
application of HTGR process heat to oil shale retorting 2−17825
automobile, adaptive controller 2−13048
automobile fuel economy indicator, using intelligent electric tachometer 2−8058
boiler controls for waste fuels, design 2−27715
changing to coal firing without boiler derating 2−27665
coal, past, present and future utilisation trends *(German)* 2−7594
coal quality upgrading for effective utilisation in steam generating plants 2−7596
coal-based synthetic fuels for electric utilities 2−18016
coal-derived fuel utilisation in gas-turbine combined cycles 2−18039
coal-fired stationary Stirling engine development 2−12434
coal-fired stationary Stirling engine development 2−12435
coal-oil mixtures and coal-water slurries as alternatives to oil fuel 2−12324
cogeneration boiler design for bark and waste wood combustion 2−23130
commercial and industrial biomass programme, Tennessee Valley Authority, USA 2−17822
comparative risks of electricity generating fuel systems in United Kingdom 2−12323
consumption of diesel oil in automobile engines, electronic measurement *(Hungarian)* 2−23720
daily fossil fuel management programme, optimisation algorithm 2−22833
East German railway diesel fuel economies from annual extension of electrification *(German)* 2−23679
energy from wood, technical and economic viability, fouteen industrial case studies 2−3836
ethanol fuels from biomass projects 2−17821
evaluation of heating coke/ produced from ash- and sulphur-rich lignite/ *(German)* 2−3825
Federal Germany's energy imports and balance of payments *(German)* 2−22809
fluidized bed biomass gasification 2−3821
fossil, demand planning program *(Russian)* 2−17801
fossil fuel demand forecasting, math. model. 2−3826
gas for steam power station *(Russian)* 2−23091
gas turbine liquid petroleum fuel airblast atomisation 2−18035
gasification of rice husk 2−17820
gasifier produces clean fuel from resid and lignite for natural gas fired boiler 2−3930
influence of contaminated fuel on turbine vane surface deposition 2−27766
large bituminous coal fired steam generators operating on S. African coal, fuel and slag analyses 2−7721
liquid fuel from brown coal, pilot plant planning 2−28322
liquid H_2 as automotive fuel, storage and refueling 2−4434
logging residues as energy source, feasibility study 2−7605
low temp. energy sources usage to increase fuel utilisation efficiency 2−3819
marine steam plant, steam-to-steam propulsion conversions for improved fuel economy 2−23691
microprocessor control in general aviation 2−17530
multi-criterial optimization of energy transport variants 2−12333
multifuel stationary Stirling engine development 2−12436
municipal refuse-burning power plant technology and economics 2−23133
natural gas reserves of nonbiological origin in Earth's interior, hypothesis *(German)* 2−27610
oil and gas fired boiler retrofit with coal gasification system 2−18014
oil fuel consumption reduction via economic generation reserve margins 2−17658
peak power power stations using RD-3M aircraft engines *(Slovak)* 2−27668
power generation from biomass fuels, potential in Dominican Republic 2−7602
power plants planning and programming, fuel price increase effects *(Croatian)* 2−23073
pulsed fuel spray drop-sizing technique for time resolved drop size measurements, using He-Ne laser beam diffraction 2−3275
rationalisation of fuel consumption during the 7th and 8th five-year plan, Czechoslovakia *(Czech)* 2−7719
residual-oil fuels for gas turbines, Workshop proceedings, Atlanta, USA, 1980 2−7744
Russian fuel energy complex, long term prediction, system studies 2−12332
shale oil as electric utility gas turbine fuel, evaluation 2−27770
shredded municipal refuse combustion steam generators 2−23134
solid fuel conveyor system design rel. to belt reliability *(French)* 2−27697
solid waste fuel and coal combinations, combustion processes and effects 2−23001
steam generator fuel, use of peat 2−27678
sugarcane bagasse as fuel for experimental power plant 2−7603
synthesis gas for fuels, production using nuclear process heat 2−18820
synthetic fuel production and environmental control cost balance 2−12325
synthetic fuel programs and developments, overview 2−17802
synthetic fuels, complementary role to other energy sources in USA 2−22972
synthetic fuels, R&D efforts, Hawaii 2−17814
thermal power plants, low-power, using refuse-derived fuel 2−12423
transportation fuels from wood, production methods 2−4435
USA new power generation, implications of Fuel Use Act (1979) 2−17660
USSR energy resources current status and future development 2−27609
vegetable oil as a diesel engine fuel 2−7748
wood energy resource, availability, charact., conversion 2−22978
wood fuel processing methods, economic assessment 2−7604
wood gasification system for electricity production 2−17942
wood-fired power stations using forest residues, feasibility study 2−18002

fuel batteries *see fuel cells*

fuel cells
alcohol-air, using alkali electrolytes 2−7985
alkaline regenerative fuel cell systems for energy storage, application in low earth orbit space missions 2−12839
baseline phosphoric acid fuel cell power plant studies, EPRI, USA 2−12570

fuel cells continued
carbonate fuel cell power plant systems 2−18457
carbonate fuel cell technology progress 2−12843
characteristics of an NH_3-air fuel cell system for vehicular applications 2−12846
coal/air fuel cell, electrolyte management 2−12845
cogeneration appls. by electric utilities, technical and economic feasibility 2−7496
design considerations for vehicular fuel cell power plants 2−12571
development and appls., present status and future improvements *(Japanese)* 2−18461
electrode materials for high-temp. solid electrolyte fuel cells 2−12835
first-generation fuel cell demonstration and commercialisation programme in USA 2−23416
first-generation fuel cell demonstration and commercialization activities 2−28100
foil perturbations in three-region fuel cell, estimation by Monte Carlo methods 2−7986
hydrocarbon electrocatalytic oxidisation using stabilised zirconia electrolyte employing Au or Pt electrodes 2−12832
hydrocarbon fuel cell anodic current-overpotential behaviour, Sc_2O_3 stabilised ZrO_2 electrocatalytic role 2−12837
military-vehicles using H_2 fuel cells 2−18459
mixed conductor, transport equations for electrons and ions 2−18460
molten carbonate, coating appls. 2−18463
molten carbonate fuel cells for industrial cogeneration appls. 2−12844
OTEC fed fuel cells and hydrogen technology 2−7785
phosphoric acid fuel cell system without noble metals on the anode, realization, application and economics 2−12847
power for the space shuttle 2−7983
power plant using methane-rich gas from anaerobic digestion of raw sewage, design, application and cost 2−12838
regenerative systems state-of-the-art and developments for orbital energy storage applications 2−12840
solid electrolyte coatings for electrochemical devices 2−18416
solid electrolyte NH_3 oxidation to NO 2−18462
status of molten carbonate fuel cell program, Department of Energy, USA 2−12842
status of new electrochemical storage and conversion technologies for vehicle applications 2−12813
thermionic spacers heat cond. effect on I-V characteristics and temp. fields 2−7984
westinghouse fluidized bed coal gasification process for phosphoric acid fuel cell power plant 2−7988
H_2 fuel cell powered electric vehicles 2−18728
H_2 fueled automotive vehicles, fuel cell substitution for internal combustion engines 2−7987
H_2-O_2, review of development *(Czech)* 2−12830
H_3PO_4 4.5 MW fuel cell power plant urban demonstration 2−18458
H_3PO_4 fuel-cell power system, 500 W capacity, operating characts. *(Japanese)* 2−12833
H_3PO_4, supports for Pt electrocatalysts, alternative materials and evaluation methods 2−23415
H_2SO_4 production by electrogenerative oxidisation of SO_2 2−12831
ZrO_2 solid electrolyte electrochem. cell, energy conversion at high temp. 2−12834
ZrO_2 thin films for solid electrolyte fuel cells by RF sputtering 2−12836

full wave rectification *see rectification*

full wave rectifiers *see rectifiers*

function approximation
see also Chebyshev approximation; interpolation
approximation of x^n by reciprocals of polynomials 2−13700
boundary-value problem dimensional reductions method 2−517
Burgers' stationary eqn. approx. by spectral methods *(French)* 2−13673
classes of functions, on approximation of a class by another class and extremal subspaces in L_1 2−8673
completely monotonic functions, differential approx. 2−8703
complex, Schauder equivalence *(French)* 2−13672
continuous, singular integrals 2−19309
dedekind functions and sums. I *(German)* 2−483
deviation of best discrete and uniform polynomial approximants 2−8674
differentiable, quasi-Newton methods 2−13691
differentiable, uniform method by algebraic polynomial 2−459
diffusion on compact Riemannian manifolds and logarithmic Sobolev inequalities 2−468
discrete linear L_p approximation algorithm 2−24237
elliptic boundary-value problems dimension reduction method 2−473
elliptic equations, on domains with corners, approximation 2−24260
embedding theorems and metric inequalities for best approximations in a Haar system 2−485
error bounds in strong approximations for eigenvalue problems 2−4717
estimates of eigen- and associated functions of the Sturm-Liouville operator with discontinuous coefficients *(Russian)* 2−4929
exact constant of approximation in the mean of the Liouville class by entire functions 2−13706
exponential, method 2−4933
exponential function evaluation using microcomputers 2−457
finite dimensional approximation of nonlinear problems 2−24265
globally convergent ball Newton method 2−19303
Hermite-Pade approximants 2−13699
internal discretization in Sobolev space W_{op}^{1} 2−19302
interpolation and best L_p local approximation 2−4934
inverse Laplace transforms, finite-series approx. to run on programmable calculator 2−479
isomorphism theorems in L_2-theory of weak solutions to parabolic boundary value problems *(Russian)* 2−24230
Jacobian elliptic function Taylor series expansion 2−13663
Jensen inequality 2−4939
korovkin theorems in L^p-spaces 2−4942
Laplace-Levy boundary-value problem 2−19313
Lax equivalence theorem for linear, inhomogeneous equations in L^2 spaces 2−24235
logarithmic Sobolev inequalities and the spectrum of Schrodinger operators 2−4944
lowpass and bandpass filters, attenuation characateristics approx. by optimising weighted error criterion 2−9140
many best L_2 2−24233
matrix inverse approximation, iterative refinement, ALGOL procedures 2−24249
Mills ratio for the gamma distribution 2−480

function approximation continued
nonlinear contractions in Banach spaces, convex approx. property and asymptotic behaviour 2−4844
normal approximation error estimation *(Russian)* 2−4806
On Chebyshev rank for uniform approximation problems in $\mathfrak{R}$-bounded function space *(Russian)* 2−4930
on step length adjustment in limiting extremum problems 2−13692
optimal approximation in negative norms 2−8697
Peano curve of Schoenberg is nowhere differentiable, proof 2−19293
polynomial method 2−462
polynomials centred form optimality 2−4938
Poreda's problem on the strong unicity constants 2−19295
projected Lagrangian algorithm for nonlinear l_1 optimization 2−19289
quasi-Newton method unconstrained optimisation *(German)* 2−19298
quasi-Newton method unconstrained optimisation *(German)* 2−19299
random, window method appl. 2−8577
rational, strong unicity constants 2−8686
Rayleigh-Ritz method, variant 2−19290
real-valued and continuous, T-space equivalence 2−8688
regression function root estimation, modified Robbins-Monro procedure 2−4925
reticle system anal. and simulation *(German)* 2−6446
segmented approximations, monotonicity of the error 2−24227
self adjoint operators, eigenvalue and eigenvector determ. 2−19316
singular value decomposition for the Radon transform in n-dimensional Euclidean space 2−8695
smeared vectorial measurement 2−19307
square integrable representations and nilmanifolds 2−469
Stefan problem approximation 2−24271
stochastic iterative algorithms, nonasymptotic estimates of convergence rate 2−4884
subinterval continuity and strong unicity 2−13701
superlinear convergence of symmetric Huang's class of methods 2−19297
transmission system transient response, numerical calc. with natural spline functions HV transmission line appl. *(German)* 2−22876
uniform algebraic approximation/ of shift and multiplication operators/ *(Russian)* 2−313
uniform approximation by rational functions/ having restricted denominators/ 2−460
uniform strong unicity for rational approximation 2−24236
uniqueness as-a-whole of a class of multidimensional inverse problems *(Russian)* 2−13744
Walsh's theorem on interpolating polynomials, extension to rational functions 2−24244
weighted polynomial approximation of entire functions 2−19294

function evaluation
circular complex interval polynomials, centred form 2−24226
exponential function evaluation using microcomputers 2−457
generalised hypergeometric function with unit argument, computation 2−13669
harmonic functions, representative surfaces *(French)* 2−13668
induction motors design optimization calcs. *(Polish)* 2−4130
interval arithmetic, rational functions evaluation 2−8672
MHD/steam power plants, real-time simulation by digital parallel processors 2−23140
Neta's family of three-step solution methods of order 7 2−13715
squirrel cage motor air-gap-field calculations, using serramorph, serraphil functions *(German)* 2−18224
third order method modifications 2−453
Weber parabolic cylinder functions, numerical algorithm 2−8671

function generators
see also pulse generators; signal generators; square-wave generators; time bases
2-MHz function generator, built-in freq. counter with switchable gate time *(German)* 2−3171
8038, with DAC-20, simple programmable function generator design 2−9028
8080, function generation machine code programs using 8 bit D/A convertor *(German)* 2−19703
AF oscillator, low distortion sinewave output, 0.003% THD, 15 Hz to 150 kHz, VMOS output stage for square wave generation 2−7112
analogue waveform display on CRO, single line of alphanumeric characters, microcomputer character generation 2−16852
CCTV arrow generator, controllable marker insertion on picture 2−16656
complex waveform and vector generation, using multiplying D/A convertors 2−14007
digital function generator, based on D/A converter, electrochemical appls. 2−16992
education, electronic unknown-signal generator, student oscilloscope expts. 2−23902
electronic organ voices, modified using active band-pass filters, waveform generator 2−2990
experiments, book 2−8167
exponential function generator *(German)* 2−764
Fourier synthesizer *(German)* 2−14009
high voltage 0.001-100 Hz triangular wave generator, used for ferromagnetic materials characterisation *(Spanish)* 2−14012
LPC synthesis of voiced segments of speech, pulse driving function generator 2−15861
multi-purpose instrument with wide range of features *(German)* 2−22288
non-monotonic single-valued function generators, synthesis using diode-resistor combinations 2−24440
programmable analogue, based on multiplying D/A convertors 2−24444
programmable digital sinewave synthesizer 2−766
programmable waveform generator using linear interpolation with multiplying D/A convertors 2−19592
rectangular waveforms generator with defined phase shift *(Czech)* 2−5144
reversible counter, logic gates, used for function generator *(Italian)* 2−9029
review of modern commercial models *(French)* 2−24442
sawtooth, high-frequency 2−14011
sine function generator for digital spectrum analyser *(Russian)* 2−16900
sine test control, digital techniques appl. 2−16995
sine wave, quartz controlled crystal oscillator appl., using FET op. amp. *(Italian)* 2−5143
staircase voltage generator constructed from unijunction transistor analogues 2−14014
Tektronix TM 5000, function generator, counter, multimeter, interface, computer-instrument controller *(German)* 2−22043
tone generator, Grundig TG 1000 *(German)* 2−11498

function generators continued
triangular current generator, low frequency 2−9032
triangular sinusoidal waveform synthesiser, with low distortion for digital techniques *(Italian)* 2−9030
triangular waveform generator using operational amplifiers *(Czech)* 2−9033
VCO, HF, temp. stable, on monolithic chip 2−19582
visual grating displays, computer-controlled function generator 2−26772
Walsh function generation and applications, electronic ccts. 2−24443

functional analysis
see also harmonic analysis
associated Legendre function, numerical value of roots with respect to order 2−13396
Banach spaces not containing l_1 *(French)* 2−24139
Bessel function products 2−454
biquadratic n-dimensional impedances, Hurwitz polynomials, positive real functions 2−8935
Carleman pseudo-differential operators 2−24049
convergent series, functional representation *(French)* 2−4922
curvature integrals and potentials of analytic hypersurfaces C^n *(French)* 2−24043
curvature of level surfaces of bounded holomorphic functions in the ball *(French)* 2−13374
differential equations partial hyperellipticity *(French)* 2−24050
engineering appls., book 2−13397
even function with monotone Fourier coefficients necessary and sufficient conditions for belonging to Nikolskii-Besov class *(Russian)* 2−19089
foliations index theorem *(French)* 2−308
functions with slowly-growing area and harmonic majorants 2−13517
fuzzy function differential *(French)* 2−24137
Grothendieck property *(French)* 2−13369
holomorphic in tuboids, decomposition 2−4705
ideals of finite type *(French)* 2−13373
integral stability for functional differential equations of the neutral type 2−19080
nonlinear extremal problems sequential approximation method 2−8421
nonlinear interpolation in Banach space *(French)* 2−24225
nuclear reaction, optimal control using functional analysis 2−3861
probability distributions on linear spaces, book 2−4714
random variable generation with given characteristic function 2−452
transient and recurrent spectrum 2−13390
univalence, criterion and appl. 2−19087

functional equations
asymptotic behaviour of nonexpansive mappings in normed linear spaces 2−8590
Bernoulli and Euler polynomials, multiplication theorems 2−19063
binomial functional equation and related equations 2−24052
characterization of entropies of degree α 2−19071
complex roots of systems of polynomial equations with few monomials *(French)* 2−4703
constrained optimization of functionals with search theory applications 2−24212
continous functionals, existence 2−13716
continuity properties of stationary points of quadratic functionals in Hilbert space 2−24238
convex, nondifferentiable functionals, minimisation 2−13636
cyclic functional equations, class 2−24053
differential equation soln. 2−524
differential inclusions, monotone viable trajectories 2−8715
dilogarithm formulas, zeta function and Andrews Gordon identities 2−19068
DLIM eddy current and skin effect model 2−4145
entropy, additive and nonadditive measures 2−15808
enumeration of directed closed Euler trails and directed Hamiltonian circuits by Lagrangian methods 2−24145
estimation of functionals of probability density 2−492
Herglotz dimensionality 2−8426
integral functionals with constraints of operator inclusion type, convex minimisation problems 2−175
invariant sets for functional differential equations in Banach spaces and applications 2−19360
linear generalisation 2−185
local linear functionals for L-splines 2−24232
matroids, critical problem, constructive approach 2−24146
microstrip lines on anisotropic substrates, hybrid mode anal. 2−24641
nonlinear functional differential equations soln. 2−13748
nonlinear random functional integral equation 2−19091
on generalized Bellman's functional equation 2−8451
ordinary differential equations, numerical solution of initial value problems *(Hungarian)* 2−4954
probability distributions on linear spaces, book 2−4714
random processes, bounded density for additive functionals 2−4817
real symmetric Banach *-algebras 2−19064
spectrum of matrix in arbitrary region of some class, containment criterion 2−19073
topological properties of the sets of solutions for functional differential inclusions 2−19329

functionals *see functional equations*

functions
see also Bessel functions; Boolean functions; describing functions; Green's function methods; random functions; recursive functions; switching functions; transfer functions; Walsh functions
conjugate harmonic functions of several variables, boundary values 2−13394
cross-ambiguity function, specified amplitude and phase 2−21356
exact constant of approximation in the mean of the Liouville class by entire functions 2−13706
generalised barrier functions, convergence of the method 2−24216
hyperbolic partial differential equations, Darboux problem solution 2−13392
maximal additive and maximal multiplicative family for the family of B-Darboux Baire one functions 2−13608
minimum functions, optimal search for maximum in case of coupled variables 2−24217
plane-into-plane mapping, topology of fine fixed point 2−13612
Schlicht functions, integral transformations 2−13399
sequences of binomials, set-theoretical approach 2−24029
set theory, continuity of connected functions 2−13606

fundamental constants *see constants*

furnaces
see also electric furnaces; refractories
blast furnace, testing, O partial press., direct meas. 2−11462
blast furnace process as object of control, mathematical simulation *(Bulgarian)* 2−4493
boiler furnaces, slagging assessment method based on coal minerals thermal behaviour 2−23097
industrial and boiler furnace combustion chamber design, laser-Doppler anemometry appls. *(Italian)* 2−12484
IR furnace systems, solder fusing and other applications 2−18758
oil-fired boilers, burner stabiliser with through-the-hub ignition 2−23080
self-gettering diffusion furnace, diffusion processing of semiconductor wafers 2−1290
steel manufacture, annealing furnaces, recuperation system appl. 2−28265
supercharged boilers, convective heat transfer to furnace waterwalls 2−17985
warm air furnace using heat pipe principles, development 2−17950
wood refuse-fired spreader-stoker furnace, revised overfire air injection system 2−17949

fuses, electric *see electric fuses*

fusion-fission reactors *see hybrid reactors*

fusion reactor fuel
U, natural, estimated requirements to year 2000 2−17842

fusion reactor ignition
see also fusion reactor materials; plasma heating; plasma production
ACT-1 toroidal device, plasma heating by wide $k_{\|}$ spectrum waveguide system 2−15721
Aurora pulser, high-impedance ion-diode expt. 2−27026
halide pulse compressors for inertial fusion appls. 2−10243
heavy ion beams for ICF, space charge induced emittance growth 2−3323
heavy ion fusion, transverse emittance requirements 2−3322
inert gas halide pulse compressors for inertial fusion appls. 2−10243
inertial confinement fusion, heavy ion induction linac appls. 2−11687
inertial confinement fusion, ion beam drivers 2−11711
inertial confinement heavy ion fusion, RF linac driver 2−11713
laser fusion, KrF laser backward wave Raman pulse compression in methane 2−6164
laser fusion, KrF laser intensification, backward-wave Raman pulse compression and stacking 2−10227
laser fusion, laser pulse shaping 2−10336
laser fusion, short pulse generation using axisymm. angular encoder 2−6244
laser fusion driver, chem. pumped I laser modelling 2−6142
laser fusion experiments, I laser advanced concepts 2−1841
laser inertial confinement fusion driver, angular multiplexed 50 kJ KrF amplifier design 2−6144
laser inertial confinement fusion driver, HF chemical laser conceptual design 2−6143
multimegavolt ion accelerator for fusion energy research 2−11703
multiple beam electrostatic quadrupole focused linac, heavy ion fusion appls. 2−11686
Pulselac C inductive linear accelerator, space charge neutralised ion beam for inertial fusion 2−3324
regenerative amplifier development at the Laboratory for Laser Energetics 2−1982
solid-state laser systems for thermonuclear fusion 2−20857
toroidal plasma, propag. and heating by electron cyclotron waves 2−15722
Al-SiO_2 layered targets irradiated by picosecond Nd-laser pulses, energy transport parameters determ. 2−20997
I laser, chemically pumped, reactor size, total system efficiency 2−1907
I laser, chemically pumped, candidate laser fusion driver 2−1908
I photodissociation lasers for controlled thermonuclear fusion, review 2−20788
KrF angular multiplexed 50-kJ laser module for inertial confinement fusion, conceptual design 2−1906
KrF lasers for compression and fusion 2−10408

fusion reactor materials
see also fission reactor materials; fusion reactor fuel; radioactive waste
ASDEX mag. field coil systems, operational experience 2−1634
Bitter-type toroidal field magnet for ZEPHYR 2−6310
closed magnet system for Kristall-2 torsatron, cooling problems 2−5954
EBT-R magnet system concept 2−1635
electromagnetoelastic buckling on three-coil superconducting partial torus *(Japanese)* 2−5972
European coil for Large Coil Task 2−1640
FT U Tokamak, LN_2 cooled magnet, stress anal., reliability problems 2−6311
intense neutron source/ for material research/ in fusion reactor R and D program/ *(Japanese)* 2−3333
INTOR toroidal field coil design studies 2−1636
JET toroidal field coils, manufacture 2−1633
long life coil of field 50 T for plasma research 2−6312
magnetic fusion reactors, stress analysis of constituent superconducting magnets 2−9954
Mirror Fusion Test Facility, mechanical behaviour of the superconducting magnet coils 2−9955
multifilamentary A15 superconductors, development at Airco (USA) 2−9889
optical inspection 2−8294
poloidal coils and transformer core for JET−design and manufacture 2−5952
stellarator fusion reactor magnet design 2−1637
superconducting coil system for fusion reactors, NbTeTa superconductor, Nb_3Sn conductor, coil stabilization *(Japanese)* 2−12378
superconducting devices, conf., Chicago, USA (Nov. 1980) 2−8158
superconducting devices, contemporary and future applications 2−9952
superconducting magnets, appl. *(French)* 2−15277
superconducting magnets, USSR status and trends 2−5970
superconducting toroidal field coils for Tokamak reactor 2−15273
TEXTOR magnet system 2−6306
three-coil superconducting partial torus, finite element analysis of magnetoelastic buckling and expts. 2−9958
Tore Supra Tokamak, superconducting mag., status report 2−5950
toroidal field magnet development 2−1639
WITAMIR-I fusion reactor magnet system 2−5953
ZEPHYR Bitter type toroidal field mag. stress anal. 2−15654
ZEPHYR poloidal field coils 2−5951
ZEPHYR tape wound toroidal field mag. concept, stress anal. 2−15274

fusion reactor materials continued
Al/NbTi-Cu composite supercond. for tokamak toroidal field coils 2−9961
Nb_3Sn, filamentary, supercond. props., stress effects, mag. fusion energy program appl. 2−15240
Nb_3Sn multifilamentary supercond. for high field test facility at Lawrence Livermore Lab. 2−15282
Ti:T film, T real-time imaging by secondary electron emission detection 2−5512

fusion reactor theory and design
see also fusion reactor ignition; fusion reactor materials; plasma confinement; plasma heating; plasma production
reducd Fokker-Planck eqn., finite element soln. 2−8683
Tokamak reactor, supercond. toroidal field coils 2−15273
ZEPHYR tape wound toroidal field mag. concept, stress anal. 2−15274
DT fusion reactor based on dense Z-pinch, scaling, calcs. and system energy balance 2−12387

fusion reactors
see also fusion reactor ignition; fusion reactor materials; fusion reactor theory and design; hybrid reactors; plasma heating
100 lM thermonuclear fusion system, rectifiers description *(German)* 2−23356
conference, energy outlook in the 1980s, Ames, Iowa, April 1981 2−13152
controlled nuclear fusion device, nonlinear phenomena study in HF plasma heating expt. 2−10512
dangers and limitations, generalised survey 2−3883
ELMO Bumpy Torus proof-of-principle device, one-dimensional γ-ray and photoneutron shielding calc. 2−3514
fast neutron spectrometer for TFR Tokamak 2−17312
feedwater temp. control *(Russian)* 2−23014
hybrid water-cooled and superconducting magnets development for fusion reactors *(Japanese)* 2−1671
inertail confinement fusion using light ion beams 2−11712
microwave power feeding for magnetic fusion devices, multipactor in the Brambilla Grill 2−24865
power from nuclear fusion, economic and social choices in pursuit of goal 2−4603
programme in United States, associated legislation 2−4602
STARFIRE commercial Tokamak fusion power reactor concept 2−17912
superconducting magnet system for fusion reactors, pot. failures and hazards 2−1631
superconducting magnets development for nuclear fusion machines appl. 2−15271
thermonuclear fusion research, computer control and instrumentation 2−16829

fuzzy set theory
applications overview *(German)* 2−24176
Boolean valued universes 2−4867
convex fuzzy random variables 2−24177
criteria and linear orderings of fuzzy sets 2−13602
data communication networks design using fuzzy methods *(Slovak)* 2−10852
decision making, fu fuzzy preference model in decision makingy preference model 2−4744
decision making in fuzzy systems, problems concerning construction of algorithms 2−13421
decision problem soln. *(Czech)* 2−24072
decomposition of intransitively ordered set and pseudo-interval order appearing in evaluation *(Japanese)* 2−13615
degree of belief in a fuzzy event 2−13472
differential of fuzzy function *(French)* 2−24137
electrical power system development, optimum variants determ. *(Russian)* 2−17673
engineering management of desalination plants in Saudi Arabia using fuzzy decision analysis 2−18916
equivalence relation on family of fuzzy sets 2−24180
formulation of linear programming problems by fuzzy function *(Japanese)* 2−19265
fuzzy binary relations of indifference and preference, structure 2−8446
fuzzy expectation values in multistage optimization problems, nuclear reactor investment strategy example 2−12375
fuzzy variables, analogy with random variables 2−24178
generalisation from graph theory to hypergraph theory 2−24179
identification and appls. 2−19183
labels of fuzzy sets, expts. in manipulation and representation 2−4850
law of excluded middle and probability 2−350
linear programming with multiple fuzzy goals 2−24198
linear regression models with weak and fuzzy prior knowledge, parameter estimation 2−13482
linguistic values of variables and hedges 2−317
memory concept representation model 2−316
multicriteria problems, compromise solutions using the fuzzy min-operator 2−8645
optimisation, overall picture 2−24199
questionnaires and latticoid processes 2−315
sales organisation team decision 2−19112
Stone-Cech compactification in the category of fuzzy topological spaces 2−8603
subsets, characteristics of interest 2−4869
subsets of unit interval, ordering procedure 2−4870
Textured sets, approach to aggregation problems with multiple concerns 2−13578
topological vector spaces 2−318

gain (amplification) *see amplification*

gain control
see also automatic gain control
analogue switch appls. *(German)* 2−9159
audio signals, multiband dynamic processing 2−26671
FET amplifier, self-biased, gain stabilisation against temp. variation 2−725
push-pull exponential LF instrumentation amplifier with logarithmic gain variation *(German)* 2−8995

gain measurement
device noise figure and gain through noise meas., evaluation method 2−23984
direct G/T measurement using satellite signals 2−17088
frequency response, analyser instrumentation, microprocessor control, single sinewave stimulation, Solartron 1250 2−26717
HP model 4192A LF impedance analyser with gain-phase meter 2−16792

gain measurement continued
n-p-n low power transistor, high current linearity, technological process props., static gain meas. *(Russian)* 2−1357
seismic amplifiers dynamic range and gain increasing and measurement methods 2−24409
VLSI Si bipolar transistors, elec. meas. and modelling of emitter base junction behaviour 2−14974
CO_2 TEA laser, electron beam controlled, small gain meas. 2−1877

gain regulation *see gain control*

galvanoluminescence *see luminescence*

galvanomagnetic effects
see also Hall effect; magnetoresistance; thermomagnetic effects
amorphous alloys, recent studies, review *(Japanese)* 2−15130
narrow band gap semiconductor, plasma frequency in transverse elec. field under mag. quantisation 2−1145
semiconductors, hot carriers, conf., Montpellier, France (July '81) 2−23866
semiconductors, hot electron effects in crossed mag. and static microwave elec. fields 2−24909
semiconductors, S-type current-voltage characteristics in classically strong mag. fields 2−24913
GaAs, hot electron nonMaxwellian distrib. function in mag. field, cyclotron emission study 2−24981
p-Ge, hopping transport at large uniaxial stress and high mag. field 2−20064
p-Ge, hot electron population inversion in mag. field., expt. and Monte Carlo simulation 2−24942
n-Ge, uniaxially deformed, drag thermoelectric powers in quantising mag. field 2−1165
Ge:P, photoconductivity spectrum in mag. field, elec. field effects 2−15388
InSb dielectric response function for sub-MM radiation interacting with quasi-free carrier gas, high mag. field 2−20086
p-InSb, extrinsic semicond., magnetoconc. effect 2−5561

galvanomagnetism *see electromagnetism*

galvanometers
No entries

galvanothermomagnetic effects *see thermomagnetic effects*

game theory
see also information theory
adaptive algorithm for discrete-time differential games 2−13419
air to air combat analysis, review of differential gaming approaches 2−8455
bimatrix games, regularity and stability of equilibrium points 2−24073
chess time exponential strategy 2−13428
coalition-games, general, normalisation 2−219
compactification of BASIC programs, example of Josephus problem in game theory 2−24068
complete information two player games with correlated positional eval., stochastic models 2−13414
computational complexity, conf. at Aore, Israel, 1981 2−19243
convex games without side payments 2−13426
cooperative game learning algorithm optimality *(French)* 2−13432
cooperative games, lexicographical solutions 2−13424
differential games *(French)* 2−24077
discrete bargaining games, number of outcomes in Pareto-optimal set 2−24074
equilibrium strategies in dynamic games with multi-levels of hierarchy 2−8442
equilibrium strategies in dynamic games with multilevels of hierarchy 2−19117
extended optima and equilibria for continuous games 2−4742
fictitious play and determinants method combination 2−216
free form gaming, analytic requirements 2−4748
hide-search game 2−8449
independence of irrelevant expansions 2−13427
large scale training games, design method 2−4747
learning algorithms for two-person zero-sum stochastic games with incomplete information 2−221
linear-quadratic stochastic pursuit-evasion games 2−8443
mazes: search games on unknown networks 2−19116
morphogenesis dynamic processes modelling, collective behaviour game between automata 2−214
multicriteria decision making, game theoretical approach *(Hungarian)* 2−8454
Nash bargaining model, cheating problem 2−215
Nash solutions for games with bounded memory 2−13416
noncooperative games, stability 2−8450
on generalized Bellman's functional equation 2−8451
on stability of perfect equilibrium points 2−13423
On the Bernoulli two-armed bandit problem 2−222
open-loop coplanar pursuit of a multiple-target 2−8452
optimal terminal aircraft escape maneuvers against intercept missiles 2−8457
pebble games played on directed acyclic graphs 2−24080
Pontryagin's first direct method is differential pursuit/evasion games 2−223
positional differential game, stochastic programmed synthesis *(Russian)* 2−4741
preplay negotiations and the prisoners' dilemma 2−13415
problem-solving strategies 2−19114
pursuit by several objects, nonlinear differential game 2−24076
pursuit on a cyclic graph−the symmetric stochastic case 2−13425
pursuit problem with integral constraints on player controls 2−24075
random game trees, winning moves distrib. 2−4852
roulette random walk 2−24071
search for evading target, two-cell model 2−19113
semiinfinite bimatrix games, equilibrium points 2−4740
singular games for the linear quadratic Gaussian system 2−8453
stochastic dynamic zero sum two person games, optimal strategies in minimax decision models *(German)* 2−13429
stochastic games, undiscounted, LP formulation 2−4746
stochastic games, value 2−13422
stochastic homicidal chauffeur pursuit-evasion differential game 2−218
stochastic solution concept for n-person games 2−220
token game playing in an algebra 2−24067
two person noncooperative games, value sets and equilibrium point sets 2−204
two-target pursuit-evasion differential games in the plane 2−217

game theory continued
van der Waerden and Ramsey type games 2−19110
variable speed tail chase aerial combat problem 2−8456
games of skill
electronic game, skill and logic game for two-players *(Spanish)* 2−9132
electronic traffic game 2−857
heads or tails indicator, using 4077 EXNOR IC 2−19750
Pools/Lotto selector, using CMOS ICs for random number generation 2−9161
reaction testing game, using LEDs, 4017 IC, 555IC 2−5303
Space Evaders, self-contained game using standard CMOS logic devices 2−24628
gamma-ray absorption
low energy photons self-absorption, method for correction 2−11820
gamma-ray applications
see also radiation therapy
flow meas. through porous media, liquid saturation determ. 2−22447
velocity meas. using nuclear gamma-resonance meter 2−17134
gamma-ray astronomy
cosmic gamma-ray scintillation detector, calibration procedure 2−7423
Signe-2 Franco Soviet interplanetary gamma ray burst experimental network 2−3446
telescope, passively anti-collimated, design, calibration and sensitivity 2−11785
gamma-ray detection and measurement
see also gamma-ray spectrometers; radioactivity measurement
120 channel HV regulator, DATEP, for gamma detector photomultipliers 2−17310
BGO scintillator timing props. 2−3383
conversion electron Mossbauer spectroscopy using channel electron multipliers at low temp. 2−17220
cosmic gamma-ray scintillation detector, calibration procedure 2−7423
densitometers design aspects for void fraction meas. in two-phase flows 2−17239
diamond radiation detector, characts. and sensitivity to ^{60}Co radiation 2−17258
digital neutron-gamma pulse shape discriminator tests with NE213 scintillator 2−3425
electret dosimeter for neutrons and gamma rays 2−11815
energy equivalent correction of independent α-reference sources 2−27055
flux density meas. from mixed γ-ray field using scintillation counter 2−7281
gamma camera, pulse dividing circuit 2−11853
geophysical surveying instrument with large-vol. plastic detector 2−17549
graphite ionisation chambers, ionisation error due to porosity 2−11837
ion chamber for neutron dosimetry, book 2−13143
ion chambers for photon dosimetry, minimum operational requirements, book contrib. 2−17262
ionisation gamma constant and the gamma equivalent in dosimetry 2−6986
lead-glass total absorption counters in hodoscope gamma spectrometer 2−11868
Lixiscope, NDT appl. 2−5055
low energy photons self-absorption, method for correction 2−11820
medical γ-camera, BRH test pattern for evaluation 2−3472
mixed-field dosimetry using ionisation chambers, uncertainty anal. 2−11834
multiplicity logic unit 2−11852
non-hydrogenous ionisation chambers, relative neutron sensitivity 2−11835
nonhydrogenous ionisation chamber appl. in mixed field dosimetry 2−11839
photofission products, μs isomeric states meas., background reduction system 2−27045
photon detector efficiency for monochromatic photons 25 to 234 MeV 2−27033
plastic scintillator, low energy γ-rays detection 2−3391
proportional counter method, photon dose fraction determ. in neutron beam, expt. uncertainty 2−11840
radioactive sources, γ-ray energies meas. using Ge semicon. detectors 2−11787
scintillation detector optimization using GUERAP-3 computer program 2−11822
self-powered detectors, neutron and gamma sensitivities, Monte Carlo calc. 2−7274
streamer chamber absolute γ quantum flux meas. apparatus 2−27076
superconducting X and γ ray imaging device 2−7279
TE ion chamber, tube length at gas exhaust port, influence on response, book contrib. 2−17275
TE ion chamber meas. for neutron dosimetry, interpretation and corrections and book contrib. 2−17272
TE ion chambers model IC-17 for dose meas., calibration constancy 2−17273
telescope, passively anti-collimated, design, calibration and sensitivity 2−11785
thermoluminescent dosimeter, LiF powder, deexcitation meas. instrument 2−11812
tissue equivalent plastic ionisation chambers, response characts. in photon and neutron fields, book contrib. 2−17274
TNO spherical tissue equivalent ion chamber for neutron dosimetry, characts., book contrib. 2−17270
total gamma-ray cross section meas. in O, F and Cl 2−27042
transmission-type polarimeter, analysing power meas. 2−27040
n-γ dose meas. in water phantom for 18.4 MeV neutrons 2−11836
$Bi_4Ge_3O_{12}$ scintillator detectors for high-energy gamma radiation 2−3378
CdTe detector characteristics for γ dosimetry 2−27213
CdTe detectors, thyroid tracer gamma monitoring appl. 2−11894
CsI:Tl γ scintillation length and amplitude effects 2−27054
Ge detector, on-line neutron capture gamma anal. 2−3386
Ge detectors, response to monoenergetic electron, positron and gamma ray beams 2−22479
Ge(Li) coaxial detectors, absolute photopeak efficiency calc. in energy region 0.1-3.0 MeV 2−3371
Ge(Li) detector, efficiency calibration at short source-to-detector distance 2−17237
Ge(Li) detector calibration for neutron activation anal. *(Rumanian)* 2−17255
Ge(Li) detector response for total absorption of photons 2−3347
Ge(Li) detectors, activity meas. using sum peaks 2−11800
Ge(Li), large cylindrical counters, response to γ-rays 2−11793
^{85}Kr irradiation facility using pressurisation-dissolution method 2−7271
gamma-ray detection and measurement continued
LiF TLD, relative thermoluminescent response of 4 keV X-rays to ^{60}Co γ-rays 2−11972
Mg-Ar ion chamber sensitivity to high energy neutrons 2−11838
NaI(Tl) detector, efficiencies and parasitic pulses for spherical source system, Monte Carlo calcs. 2−3380
Xe, liquid, position-sensitive gamma-ray detector for positron annihilation expts. 2−11786
gamma-ray effects
see also biological effects of gamma-rays; radiolysis
C-CD, gamma-induced noise anal. and meas. 2−14859
C-CD imager, gamma radiation induced noise 2−15001
C-CD virtual phase imager, radiation effects 2−14998
coil insulation under intense γ-ray irradiation, flashover characts. study 2−1502
fibre optics, gamma irradiated, thermolum. obs. 2−6026
integrated Schottky logic devices response in neutron, total dose and dose rate environments 2−14062
JFET thick film hybrid IC for severe temp. and radiation environments 2−9337
MOS capacitors, radiation-produced flatband voltage shift, photon energy effect meas. 2−14706
MOST, test conditions effects on radiation-hardness results 2−14861
NMOS transistors, ^{60}Co radiation effects on laser annealed SOS 2−15000
operational amplifier, total dose radiation resist., nitride passivation effects 2−13982
PTFE, irradiation effects on charge storage and cond., ^{60}Co gamma radiation 2−5860
ruby laser in γ-radiation field, colour centres, laser generating props. *(Russian)* 2−15500
UV EPROM erasure in flash X-ray and Co^{60} total dose environments 2−14110
vertical double-diffused MOS power transistor drain-source resist. radiation depend. 2−14862
GaAs microwave, MESFETS, gamma irrad. tolerance 2−25240
GaAs-$Al_xGa_{1-x}As$ diode struct. elec. charact., gamma radiation effect 2−25200
GaP LPE based Schottky barrier diodes, gamma-ray effect on V-I characts. *(Russian)* 2−14834
Ge, point defects and disordered regions due to irrad., magnetoresist. meas. 2−5540
Ge:Li, γ-irrad., radiation defect interaction with impurity atoms 2−14768
n-InP, γ-irradiated, homogeneously compensated, electron mobility at low electron density 2−14652
Si, point defects and disordered regions due to irrad., magnetoresist. meas. 2−5540
Si-SiO_2, MIS-structure, effect of radiation on elec. props. *(Russian)* 2−1253
Si-SiO_2 interface in MOS structures, radiation-induced trivalent Si defect buildup 2−14705
Si-SiO_2 interface in MOS structs., memory effects caused by irrad. *(Russian)* 2−14723
SiO_2, irradiated, electron-hole recombination from microdosimetry viewpoint 2−14707
SiO_2-Si interface states generation at low temp. with ionising radiation 2−14702
$(YSmLuCa)_3(FeGe)_5O_{12}$ bubble epitaxial layers, neutron and γ-irrad., mag. props. 2−15219
gamma-ray lasers
development approaches, review 2−1829
gamma-ray polarisation
transmission-type polarimeter, analysing power meas. 2−27040
^{A}Se, A=76, 78, Compton polarimeter appl. in γ-ray polarisation meas. 2−3438
gamma-ray production
relativistic nuclei accelerators, quasi-monochromatic gamma-ray source *(Russian)* 2−17229
gamma-ray sources *see gamma-ray production*
gamma-ray spectra
isotope identification from γ-ray spectrum meas. 2−11767
multiple-integral-coincidence spectrometer characts. and appl. 2−22506
neutron deficient nuclei, neutron multiplicity technique for in-beam γ-spectroscopy 2−11879
radioactive sources, γ-ray energies meas. using Ge semicon. detectors 2−11787
^{110m}Ag, β-decay strength function meas. using γ-ray total absorpt ion spectrometer 2−11867
^{124}Sb, β-decay strength function meas. using γ-ray total absorption spectrometer 2−11867
^{154}Tb, β-decay strength function meas. using γ-ray total absorption spectrometer 2−11867
^{238}U(γ,f), μs isomeric states meas. in photofission products 2−27045
gamma-ray spectrometers
see also gamma-ray spectra
Cherenkov, Pb-glass, electron energy meas. in presence of hadron background 2−17253
Compton polarimeter with high-purity Ge diodes, appl. to in-beam γ-ray spectroscopy 2−3438
cosmic gamma-ray scintillation detector, calibration procedure 2−7423
data acquisition system 2−7306
fast-response spectrometer of positron lifetimes 2−27088
fission reactor fuel element response determ. by fission product monitoring by gamma-ray *(Croatian)* 2−27642
gamma-ray scintillation detector, calibration procedure 2−7423
hodoscope gamma spectrometer GAMS-200 using lead-glass detectors 2−11868
leading edge discriminator for γ-ray time of flight spectroscopy 2−27090
Mossbauer, modification of multichannel analyzers 2−17313
multiple-integral-coincidence spectrometer characts. and appl. 2−22506
neutron deficient nuclei, neutron multiplicity technique for in-beam γ-spectroscopy 2−11879
ocean bottom, γ-ray spectrometer complex for sediment analysis 2−17567
total absorption spectrometer for β-decay strength functions meas. 2−11867
transactinium nuclides, decay scheme studies and anal., γ-ray spectrometry appl. 2−11877
velocity meas. using nuclear gamma-resonance meter 2−17134
HgI_2, fast neutron detection gamma spectrometer 2−3448
NaI(Tl), fast neutron detection gamma spectrometer 2−3448

garbage collection (computers) *see storage management and garbage collection*

garnets
includes ferrimagnetic insulators, $M_3Fe_5O_{12}$; for rock-type garnets, $MM'(SiO_4)_3$, see minerals
see also ferrimagnetic properties of substances
bubble device performance, effects of material props. and overlay processing variations 2−5910
bubble film, ion implanted layer, mag. state, temp. depend. study 2−15151
ferrimagnetic multilayered struct., magnetostatic bulk waves excitation 2−9867
ferrite-garnet film, Permaloy coatings, implanted layers, anisotropy effect on magnetisation distrib. *(Russian)* 2−1566
film, (111) tilted, dynamic props. of bubbles and stripes 2−15144
film, domain wall widening in high drive fields 2−15145
film, domain-wall vibrs. 2−15141
film, ion-implanted, mag. domain struct. 2−1560
film, magnetic bubble layers, influence of implantation-induced stress gradients 2−5888
film, static collapse discrimination of S=0 mag. bubbles 2−20489
film bubble domain, stationary motion contraction of wall thickness 2−15147
films, implanted bubble, dynamics of formation of statically stable 2Π Bloch lines 2−15143
implanted, charged walls 2−9854
ion implanted, stress profile determ. 2−15150
magnetic bubble materials, ion implanted, strain distrib. modelling 2−1589
magnetic bubble memory, ion implantd, process, design and charact. 2−15230
microwave and optics components, CAD and materials technology, review 2−14295
rare earth iron garnet magneto-optic isolator for optical fibre transmission *(Chinese)* 2−25558
small-bubble materials, capping walls and self-bias 2−15146
strip line resonator using surface spin waves YIG 2−930
Cu-Al/garnet interface bubble memory device, generate threshold amplitude 2−20534
ErIG, mag. props. in high mag. fields up to 150 kOe 2−9852
$Eu_{0.6}Y_{2.4}Ga_{1.26}Fe_{3.74}O_{12}$ film, nondestructive sensing of wall-state transition 2−1561
Fe garnet magneto-optic storage light control and display components, use of integrated thin-film techniques *(German)* 2−20694
$Gd_3Ga_5O_{12}$ LPE growth and dissolution, physical chem. of garnet molten solns. 2−24301
$Gd_{2.9}Sc_{2.1}Al_3O_{12}$, pure and Nd^{3+} doped Bridgman-Stockburger growth of single crysts. 2−20488
Nd^{3+}:YAG radiation coloured crystals, colour centre infuence on energy charact. 2−20871
$(Sm,Lu,Ca)_3(Si,Lu,Fe)_5O_{12}$ film, domain wall motion, magnetisation and comp. depend. 2−15160
$(Y,Eu,Tm,Sm,Ca)_3(Fe,Ge)_5O_{12}$, epitaxial ferrite garnet film, domain wall mobility 2−5889
(Y, Gd, Sm, Tm)$_3$(Fe, Ga)$_5O_{12}$, garnet films, grown from PbO-B_2O_3 flux, growth conditions influence on props. 2−13818
$(Y,Sm,Ca)_3(Ge,Fe)_5O_{12}$ film, domain wall motion, magnetisation and comp. depend. 2−15160
$(Y,Sm)_3(Fe,Ga)_5O_{12}$, epitaxial ferrite garnet film, domain wall mobility 2−5889
YAG laser, active garnet element, thermal operating parameters determ. 2−25750
YAG:Nd^{3+} pulsed laser, kinematic mode synchronisation 2−10273
$(YBi)_3(FeGa)_5O_{12}$ ferrite garnet epitaxial film, domain wall reson. obs. 2−20491
$(YBi)_3(FeGa)_5O_{12}$ garnet LPE film, mag. props. 2−20490
$(YGdCa)_3(FeVM)_5O_{12}$ (M=In, Zr), magnetostatic losses and saturation magnetisation temp. depend. 2−15154
YIG anisotropic planar lightguide covered by metal layer, TE⇌TM mode conversion 2−15341
YIG, electrostriction meas. 2−7190
YIG epitaxial layers, magnetostatic waves anisotropic propag., expt. and computer simulation 2−15153
YIG epitaxial layers, Xe^+ irrad., magnetisation, Faraday rot. and FMR linewidth 2−15156
YIG epitaxial layers, magnetostatic wave devices 2−15216
YIG epitaxial layers, magnetostatic forward volume wave reflective dot arrays 2−15217
YIG ferrite rods, parallel-axially magnetized, surface modes 2−1562
YIG films, magnetostatic waves, FMR study 2−15161
YIG rod and sphere ferrite limiter, coupled dielec. resonator bandpass struct. 2−24680
YIG tunable microwave filters, coupled spin wave technique 2−24679
YIG-tuned oscillator with microwave FET active elements, electronic tuning from 2-20 GHz 2−24714
$(YSmGdR)_3(GaFe)_5O_{12}$ (R=Tm, Yb, Lu), single layer LPE films for 1 μm diameter bubble ion implanted contiguous disc devices 2−1564
$(YSmLuCa)_3(FeGe)_5O_{12}$ bubble epitaxial layers, neutron and γ-irrad., mag. props. 2−15219
$(YSmLuCa)_{3-x}Gd_x(FeGe)_5O_{12}$ garnet film, bubble collapse field, zero temp. coeff. 2−20487
$(YTmBi)_2(FeGa)_5O_{12}$ garnet film, (110)-oriented, controlled generation and conversion of wall coded mag. bubbles 2−15142
$(YTmBi)_3(FeGa)_5O_{12}$, garnet LPE film, mag. props. 2−20490

gas analysis *see chemical analysis*

gas blast circuit breakers
see also air blast circuit breakers
arc thermal recovery speed in different gases and gas mixtures 2−12739
blast heads experimental studies *(Russian)* 2−23390
development of SF_6 circuit-breakers at Siemens 2−12742
electrical characteristics of gas blast circuit breaker arcs at very high currents 2−28062
HV, determ. of voltage distribution of arc blow-out chamber *(Rumanian)* 2−23386
improvement of low current interrupting capability in self-interruption GCB 2−28061
new physics-based studies for further development of the Siemens puffer type circuit breaker 2−12745
rotating arc SF_6 circuit breaker 2−7944
SF_6 equipment for 12 kV distribution systems, design approach 2−18371

gas blast circuit breakers continued
SF_6 as insulating and arc-extinguishing medium, advantages *(Dutch)* 2−5840
SF_6 breakers, dynamic charcts. calc. 2−4311
SF_6 circuit breaker, 800 kV, 50 kA, Siemens 2−12744
SF_6 circuit breakers, insulating material deterioration under arc action *(Polish)* 2−15050
SF_6 circuit breakers for distribution networks up to 36 kV, type SFG, Mitsubishi Electric product 2−23391
SF_6 circuit breakers for 400 kV substations *(French)* 2−23394
SF_6 circuit breakers insulators, laboratory testing of elec. insulating materials superficial resistance 2−9766
SF_6 insulated switchgear, HV testing 2−12748
SF_6 insulated switching equipment, gas anal. technique and its appl. 2−7954
SF_6, mech. failures external diagnostic technique 2−18383
SF_6 pressurised, breakdown field strength, electrode surface condition effects 2−9809
SF_6 puffer breakers for transmission voltages, Brush Switchgear products 2−28038
SF_6 puffer cct. breakers, laboratory and field tests 2−12746
SF_6 puffer interrupter, real gas eqns. for use in analytical model 2−18384
SF_6, self-extinguisting, Brown Boveri type HB, service experience 2−7935
SF_6, up to 35 kV, development trends 2−4309
SF_6/He mixture interrupting capacity investigation 2−4314
SF_6-gas circuit breakers, 10000 operation field experience *(Japanese)* 2−12740
SF_6-gas generator breakers for use in large capacity power stations 2−28055

gas breakdown *see electric breakdown of gases*

gas-discharge displays
3-D television displays 2−3229
AC gas discharge display panel, protective coatings for discharge electrodes 2−1136
AC gas discharge display panel fabrication, MgO protective film deposition, characterization rel. to agei-ng charcts. predictions 2−5521
AC plasma, panels, electron transport self-shift display 2−24894
AC plasma display, ageing studies and lifetime calculations 2−24892
AC plasma display panels, ageing characteristics 2−24891
AC plasma panel cell, bistable voltage margin 2−24890
AC plasma panel displays, selective modification of conductor aspect ratios 2−7161
AC-type plasma displays, technology, charcts. 2−22330
alpha-numeric and graphical information 2−22336
charge transport in an AC plasma panel 2−24893
colour AC-plasma display with surface discharge 2−11550
dielectric layers for gas panel displays and method for depositing 2−14597
digital electronic displays, construction and operation review 2−17049
Display Technology conference, Cherry Hill, New Jersey, USA (Oct. 1980) 2−23869
electronic displays conference, London, England (Sep. 1981) 2−18866
electronic measuring instruments with quasi-analogue indicators, design, function and appl. *(German)* 2−11540
erased cell turn-on prevention in high resolution AC plasma panels using write and erased pulses of opposite polarities 2−3223
fabrication, line-width meas. technique 2−3225
fabrication using double-pass screening without intermediate drying 2−1134
flat picture tube developments and principles *(Czech)* 2−5516
high resolution AC plasma displays, write and erase waveforms 2−24889
Japanese development of LCDs, LEDs, fluorescent display tubes, plasma displays 2−22320
margin improvement, design approach 2−1135
Oki DC-type plasma display, technology, charcts. 2−22307
PD 3000 AC plasma display terminal, military appl. 2−22172
planar gas discharge display subsystems, using UV-EPROM 2−22167
plasma charge transfer shift display 2−24895
plasma display panel connector using circular clip press. 2−5417
plasma display panel fabrication, field-assisted bonding, vacuum deposition technique, glow-discharge activation 2−598
plasma display panels, repair of open conductors in fan out area, air abrasive drill 2−5523
plasma displays, AC, DC, memory, refresh, types 2−22329
plasma displays, used for information processing terminals, colour pictures 2−22331
plasma panel, highlighted cursor technique to display particular character 2−26905
storage plasma panel display graphic cursor generation 2−5522
Ne gas discharge displays, kinetic processes 2−24888

gas discharge lamps *see discharge lamps*

gas-discharge tubes
see also gas-discharge displays; ion sources; mercury arc rectifiers; thyratrons
flash discharge tubes, breakdown by internal press., vaporisation of wall material 2−9383
gas-filled diode with emitting cathode, voltage current charact. rel. to electron-atom scatt. 2−1137
hollow cathode device, for negative glow study by effusion technique 2−5520
light refraction, Abel inversion 2−10514
low-pressure sectionalised, de-ionisation of rarefied plasma *(Russian)* 2−14596
MM-wave radiation amplification using glow-discharge tube 2−24896
CO_2 waveguide laser discharge tubes, signal amplification in 10.6 μm band 2−20935
He filled diodes, electric breakdown initiated by long-lived metastable states *(Croatian)* 2−5524
Kr filled diodes, electric breakdown initiated by long-lived metastable states *(Croatian)* 2−5524

gas discharges *see discharges (electric)*

gas ionisation *see ionisation of gases*

gas lasers
see also chemical lasers; excimer lasers; gasdynamic lasers; ion lasers
acetaldehyde, CW optically pumped far-IR laser action 2−1850
carbon tetrafluoride, CO_2 laser pumped, 615 cm^{-1} superfluorescent emission charcts. 2−1865
computerised optical diagnostic system for UV and visible supersonic flow pulsed lasers 2−10326

gas lasers continued
D_2O laser Thomson scattering and sub-MM wave heterodyne receiver meas. for Alcator C Tokamak 2−21006
deuterated fluoroform SMMW laser transitions optically pumped by tunable CO_2 waveguide laser 2−25684
deuterated methylene fuoride SMMW laser transitions optically pumped by tunable CO_2 waveguide laser 2−25684
1,1-difluoroethylene SMMW laser transitions optically pumped by tunable CO_2 waveguide laser 2−25684
discharge lasers, pulsed electron beam control, review *(Rumanian)* 2−15459
discharge resonance characteristics utilisation for laser radiated power stabilisation *(Russian)* 2−10218
electron-beam-controlled lasers, optimal pumping conditions allowing for ang. divergence of radiation 2−1897
far IR CC rectangular metallic waveguide resonator performance evaluation near 1.2 mm wavelengths 2−20912
far IR CW laser emission, by optical pumping with tunable waveguide CO_2 laser 2−25726
far IR hybrid laser with TEM_{00} output beam 2−10202
far IR lasers, high power, freq. tuning and efficiency enhancement 2−25725
far IR lasers, optically pumped, theory for nonlinear Hanle effect 2−25729
far IR lasers, pumped by waveguide CO_2 laser 2−25724
far IR lasers, resonator configs. for pumping, operational techniques *(German)* 2−25698
far-IR lasers, CW optically pumped, developments review 2−20783
flow effects on saturation intensity and gain *(Chinese)* 2−6130
fluoromethane, 496 μm transition, resonant pumping case, lethargic gain 2−1866
fluoromethane, $^{12}CH_3F$ and $^{13}CH_3F$, far IR Raman laser with high intensity laser pumping 2−6147
fluoromethane, far IR hybrid laser with TEM_{00} output beam 2−10202
fluoromethane distributed feedback gas laser *(German)* 2−10200
fluoromethane optically pumped 496 μm DFB gas laser 2−10207
fluoromethane-d_3, vibrational lasing 2−10201
gas-discharge lasers, volt-ampere characts. investig. 2−10215
Gaussian beams, theory *(French)* 2−15451
He-Ne/I_2 laser as a frequency standard in the visible spectrum 2−25888
high energy laser device technology for military appls., overview 2−6176
high-power, photodiode power monitor 2−6247
inert-gas high-pressure laser, excitation using pulse-shaping cct. 2−9057
IR, 16 μm wavelength, development for IR dissociation of mols. 2−25672
laser optics, conf., Leningrad, USSR (Jan. 1980) 2−18844
lethargic gain, optical intensity growth, under mode-locked CO_2 optical pumping conditions 2−1866
magnetically stabilised coaxial laser discharge 2−6136
metal vapour pulsed lasers, UV-visible laser development review 2−1915
metal vapour recombination laser transitions in expanding plasmas 2−20808
methanol, far IR lasant, optically pumped, Doppler-free optoacoustic spectroscopy 2−25727
methanol far IR optically pumped lasers, Si Fabry-Perot interferometer appl. as variable coupler 2−6075
methanol optically pumped around CO_2 9R(10) and 10R(34) laser lines, high resolution IR-far IR spectroscopy 2−25723
methanol pumped by isotopic CO_2 lasers, submillimetre laser line obs. and assignment 2−25678
methyl alchohol, CH_3OH and CD_3OD, optically pumped, Stark effect in subMM laser lines 2−15457
methyl alcohol, optically pumped, FIR laser lines, meas. and assignments 2−15452
methyl fluoride, optically pumped, vibr. matrix elements determ. using heterodyne meas. of two-photon splittings 2−25703
methyl fluoride, plasma diagnostics FIR scattering from electrostatic modes at ion cyclotron range of freqs. in Tokamak plasma 2−21007
methyl fluoride distributed feedback laser, optically pumped, 496 μm wavelength 2−25728
methyl fluoride-d_3, $^{13}CD_3F$, optimally pumped, sub MM wave laser emission 2−6145
methyl isocyanide, CW optically pumped far-IR laser action 2−1850
methyl isocyanide, optically pumped MM wave CW laser lines, 823, 938 and 2140 μm 2−1849
methylene fluoride far IR lasant, optically pumped, Doppler-free optoacoustic spectroscopy 2−25727
molecular IR laser, resonant optical pumping 2−10220
molecular lasers, optically pumped, thermal conditions 2−25713
molecular lasers, powerful, in submm. region *(Russian)* 2−1860
molecular nanosecond-pulse amplifier, efficiency 2−1880
near millimetre wave sources, gas phase approach 2−6149
noncoherent optical pumping in gas lasers 2−25671
optically pumped with common pump and lasing level, kinetic model 2−6150
plasma laser, self-circulation regime 2−1888
pulsed subMM lasers of generator-amplifier type, linear transverse optical excitation *(Russian)* 2−10217
radiative collisional laser amplifier, theoretical and expt. evidence 2−10250
radio pulse generator, for lasers with high freq. transverse discharge 2−15530
Raman lasers, far IR molecular gas, with high intensity laser pumping 2−6147
rare gas halide lasers, rare gas recovery system 2−10231
research and applications, review *(French)* 2−15428
ring laser, light-induced optical nonreciprocity 2−10357
tetrafluoromethane laser, isotopically pumped, isotope effects 2−25694
transient glow discharges in laser excitation and breakdown effects 2−10251
two-frequency operation, stability limit, tuning range calcs. 2−6155
two-mode gas laser with phase anisotropy in const. mag. field 2−1890
UV-visible laser development review 2−1915
vacuum system operation for use with gas laser 2−20922
vinyl chloride, CW, optically pumped far-IR laser action 2−1850
Ar laser coagulation treatment of bleeding ulcers 2−11962
Ar-Xe, IR laser excited by UV preionised discharge 2−25686
Ar-Xe multiple path fission foil nucl. lasing 2−10187
Au vapour laser, pulsed *(Chinese)* 2−15446
CF_4 laser, combination band excitation, hot band lasing 2−10220
CO CW laser, long wavelength operation up to 8.18 μm 2−10199

gas lasers continued
CO electric-discharge continuous-flow laser using H_2-containing mixture 2−15461
CO electron-beam-controlled discharge laser, kinetics and energy characts. 2−20798
CO laser, intensity modulation, freq. stabilisation and tuning by extracavity Stark cell 2−20939
CO laser, vibrational exchange cycles 2−6141
CO laser discharge, UV sustained, photoinisation study 2−1852
CO laser discharge, UV sustained 2−6153
CO pulsed high-pressure laser, electron-beam-controlled 2−20799
CO pulsed laser, electron-beam-controlled, active medium heating influence 2−25716
CO pulsed laser having selective and nonselective resonators, spectral characts. 2−25822
CO-He-Xe CW laser discharge, O_2 addition effect on plasma kinetics 2−10214
CO_2 10.6 μm laser radiation CW degenerate four-wave mixing in HgCdTe 2−10359
CO_2 16-μm bending-mode laser system 2−1902
CO_2 1.5 kW laser with excitation in a transverse RF-discharge *(German)* 2−6158
CO_2 3 kW laser beam collecting, directing and shaping with metallic waveguide system 2−10022
CO_2 advanced laser rangefinders, direct- and heterodyne-detect. type comparison 2−11120
CO_2 amplifiers, electron-beam-controlled, inversion recovery following saturated extraction 2−1905
CO_2 CW and RSP laser appl. for bladder tumour control and eradication 2−11961
CO_2 CW fast flow laser coupled to toroidal resonator cavity, expt. 2−15513
CO_2 CW laser, freq. and amplitude stabilisation using servo control system 2−1870
CO_2, CW laser, sealed-off with tuning over lines of first two sequential bands 2−10240
CO_2 coherent TEA laser rangefinder, transmitter/local oscillator design 2−2836
CO_2 conventional and waveguide laser as pump for far IR lasers 2−25724
CO_2, discharge current modulation of output 2−1873
CO_2, electron-beam controlled pulsed, discharge and flow characteristics 2−10189
CO_2 electron-beam-controlled discharge lasers, review 2−20797
CO_2 electron-beam-controlled discharge laser, kinetics and energy characts. 2−20798
CO_2 fast-axial-flow longit.-discharge lasers, kinetic modelling 2−20805
CO_2 fast-flow laser with discharge sustained by a stream of ionized gas 2−1899
CO_2 fast-flow pulsed closed-cycle laser with CO_2 regeneration unit 2−20829
CO_2, freq. conversion using chalcopyrite crysts. *(Japanese)* 2−10346
CO_2, freq.-selective stimulated emission in 16 μm band, resonator pulsed Q-switching 2−1882
CO_2 heterodyne laser rangefinder using pulse compression 2−11121
CO_2 high freq. capacitative discharge 10.6 μm gain 2−25696
CO_2 high-power CW TE laser with graphite electrodes 2−1903
CO_2 high-power military waveguide laser 2−10247
CO_2 high-press. lasers with selective optical pumping, output parameters 2−25697
CO_2 high-pressure amplifiers, continuously tunable signal amplification 2−1895
CO_2 high-speed flow electrodischarge laser with active medium transverse pumping, amplification parameter calc. *(Russian)* 2−1859
CO_2 hybrid TEA laser, freq. sweeping, origin 2−20796
CO_2 isotopic 10-μm laser radiation mixing in room-temp. Schottky diode, 2−5363
CO_2 laser, electrically ionised, electric field distrib. in non-self-sustained discharge 2−1881
CO_2 laser, electron beam controlled, small signal gain and uniformity meas. 2−6163
CO_2 laser, electron beam ionisation, efficiency reflected electrons effect 2−25720
CO_2 laser, electron-beam ionisation, electron beam economy, pump pulse shape effect 2−10241
CO_2 laser, freq. stabilised design, appls. 2−1876
CO_2 laser, high press. CW, output power, self-absorption effects 2−1853
CO_2 laser, high pressure sealed-off condition, power characteristics *(Japanese)* 2−1861
CO_2 laser, optical pumping of $^{15}NH_3$ CW Stark far IR lasing lines 2−1872
CO_2 laser, optogalvanic stabilisation using electrodynamic tuning element 2−25681
CO_2 laser, pulsed, metallised film mirror with variable curvature 2−10318
CO_2 laser, RF excited, high repetition rate at 10 atm operation 2−25667
CO_2 laser, reactive electrooptic Q-switching 2−15521
CO_2 laser, third harmonic of 10.2 μm R(30) transition, rel. to methane-stabilised He-Ne laser, freq. difference *(Japanese)* 2−6160
CO_2 laser, UV preionisation pulsing by capillary discharges, laser optimisation 2−10234
CO_2 laser, wave instability regions in glow discharge, pressure-current meas. 2−6139
CO_2 laser communication technology for intersatellite data links 2−2774
CO_2 laser drilling of high density printed circuit boards 2−1043
CO_2 laser excited in matched regime, 3 kJ output energy 2−25714
CO_2 laser gas mixture, magnetically stabilised coaxial laser discharge 2−6136
CO_2 laser heterodyne rangefinder with chirp signal processing 2−16515
CO_2 laser microsurgery trends, wet-field technique 2−17411
CO_2 laser optical material characts. 2−20611
CO_2 laser radar accuracy and resolution improvements 2−21872
CO_2 laser radar systems, range and velocity meas. 2−16514
CO_2 laser radar wire detect. systems for NOE helicopter flight, requirements and capabilities 2−2837
CO_2 laser radiation freq. conversion to 0.5 μm range in nonlinear crysts. 2−25850
CO_2 laser system, amplifying props. of CO_2-N_2-He medium with different microwave preionisation systems 2−20818
CO_2 laser with annular resonator, performance with polariser in annular leg 2−15515

gas lasers continued
CO_2 laser with intracavity diffr. selector, emission spectrum 2−20813
CO_2 lasers, high-power nanosec. pulse generation, new approach 2−20787
CO_2 lasers, PCB microsoldering 2−24806
CO_2 lasers in ophthalmic surgery 2−7341
CO_2 lasers with 16 micron wavelength for IR dissociation of mols., development 2−25672
CO_2, medical laser devices, applications and status 2−11957
CO_2 multiline TEA laser, laser amplification efficiency 2−20793
CO_2 nuclear pumped laser system using $He-N_2-CO_2-UF_6$ mixture 2−10190
CO_2 photoionisation laser with high pulse repetition freq. 2−25674
CO_2, properties of some diffusers, speckle pattern effects 2−6245
CO_2 pulse-periodic waveguide laser pumped by longit. capacitor discharge 2−20819
CO_2 pulsed amplifier, thermal defocusing, numerical anal. 2−25708
CO_2 pulsed electric discharge laser amplifier, freq. chirp meas. 2−6175
CO_2 pulsed laser, electron-beam-controlled, operating regime optimisation 2−20800
CO_2 pulsed laser difference freq. generation in subMM range using GaAs crystals *(Russian)* 2−20950
CO_2 pulsed laser oscillators, electron-beam-controlled, theory and expt. comparison, four-temp. model 2−20804
CO_2 pulsed RF waveguide laser, gain-switched output 2−1871
CO_2 pulsed TEA laser without an active-mixture replenishment system 2−1894
CO_2 quasi-CW electric discharge laser emitting rectangular radiation pulses 2−1887
CO_2 repetitively pulsed sealed TE laser using O_2 tolerant discharge scheme 2−6137
CO_2 sealed TE laser discharge, gas chromatographic analysis of products 2−1848
CO_2 sealed waveguide laser, long-term operation 2−10229
CO_2 sealed-off laser, gas constitution and electrode material effects on lifetime *(Chinese)* 2−15441
CO_2, sealed-off single-mode type, characts. and performance *(Rumanian)* 2−10232
CO_2 sequence band TEA laser, multi-joule pulses 2−1834
CO_2 short-pulse line-tunable laser for photochemical studies 2−15433
CO_2 static CW waveguide laser with high-freq. excitation 2−20828
CO_2 TE continuously tunable laser using three mirror resonator, single mode operation 2−1869
CO_2 TEA 4.3 μ laser action 2−10233
CO_2 TEA laser, electron beam controlled, small gain meas. 2−1877
CO_2 TEA laser, emission lines in 10.4 and 9.4 μm bands 2−1878
CO_2 TEA laser, injection-locked tunable, for sub-MM laser pumping for Tokamak plasma ion temp. meas. 2−20833
CO_2, TEA laser, photo-preionised, small signal gain *(German)* 2−1839
CO_2 TEA laser, simultaneous high-power pulsed lasing on lines of first two sequence bands 2−1892
CO_2 TEA laser, tunable single longit. mode output 2−10222
CO_2 TEA laser emitting lines in $00^02-(10^01,02^01)_{I,II}$ bands, output parameter investigation 2−6168
CO_2 TEA laser mode-locking, gas lenslike effect influence *(Chinese)* 2−25675
CO_2 TEA laser with air as gas source *(Chinese)* 2−6135
CO_2 tunable laser, spectral tuning using intracavity spatial filtering 2−6170
CO_2 tunable pulsed laser 2−6159
CO_2 tunable TEA laser with intracavity NaCl prisms as dispersive elements *(Chinese)* 2−15437
CO_2 tunable waveguide laser with high transverse mode and line discrimination 2−25685
CO_2 waveguide laser, 00^01 vibr.-level lifetime meas. 2−20936
CO_2 waveguide laser, development of sealed-off long life device 2−10228
CO_2, waveguide laser, effect of resonator-mirror curvature on output power 2−10317
CO_2 waveguide laser, feedback controlled current stabilised power supply *(Chinese)* 2−6243
CO_2 waveguide laser, optogalvanic stabilisation and offset tuning 2−25824
CO_2 waveguide laser, parameters of active medium by luminesc. study 2−20810
CO_2 waveguide laser, saturation parameter determ. in waveguide tube consisting of metal and highly reflecting coa-ting 2−6171
CO_2 waveguide laser discharge tubes, signal amplification in 10.6 μm band 2−20935
CO_2 waveguide lasers containing diffr. grating, coupling losses 2−20837
CO_2, Xe enhanced output power levels 2−1832
$^{13}CO_2$ laser hot band transitions, heterodyne freq. meas. 2−10327
$^{13}C^{16}O_2$ isotopic laser pump for $^{15}NH_3$ far IR laser system 2−10224
CO_2-$C^{16}O^{18}O$ laser, optically pumped in 4.3 μ band, lasing investigation in 24- and 38-μ region 2−25673
CO_2-He(N_2) high freq. capacitative discharge 10.6 μm gain 2−25696
CO_2-N_2, mixing laser, performance using rapid mixing technique 2−1854
CO_2-N_2-He mixture, transverse discharge, laser radiation amplification *(French)* 2−15458
CO_2-N_2-He-CO high-power electronic discharge convection laser, ionic and thermal instability 2−10223
CO_3 80 μm hollow-core slab waveguide laser, 10.6 μm optical gain meas. 2−10203
Cu halide laser pumped by vac.-tube and thyratron oscillators 2−1898
Cu, vapour, dense, discharge and lasing characteristics 2−20812
Cu vapour excitation by transverse discharge using multichannel semicond. nanosecond switch 2−1989
Cu vapour laser, 1.5 litre active volume, mean output power and emission pulse energy 2−10236
Cu vapour laser, active medium gain investigation 2−20826
Cu vapour laser, electron beam controlled discharge 2−25719
Cu vapour laser, limiting mean power output 2−6140
Cu vapour laser, multiparameter optimisation 2−20811
Cu vapour laser, reson. wavefront reversal in active medium containing Cu vapour 2−25849
Cu vapour laser, stimulated emission radial characts. 2−1879
Cu vapour laser *(Chinese)* 2−10191
Cu vapour laser operation, transverse and longit. discharge modes 2−15464
Cu vapour laser pumping of LiF laser 2−10280
Cu vapour lasers radiation influence on dyes lasing 2−1921
CuBr laser, helical transversely excited 2−25688
CuBr TE laser, operating characts. 2−10206

gas lasers continued
CuCl laser, burst-mode, temp. depend. 2−6148
D_2O, 385 μm transition, adiabatic Raman case, lethargic gain 2−1866
D_2O high power pulsed ring resonators in far IR 2−20832
D_2O, mode-locked, optically pumped, lethargic gain and short pulse generation 2−20835
D_2O vapour, laser emission 2−20795
$D_2{}^{18}O$ subMM molecular laser with optical pumping 2−1900
F laser pumped by pulsed hollow cathode glow discharge, red lines 2−10239
fluoromethane, mode-locked, optically pumped, lethargic gain and short pule and short pulse generation 2−20835
H_2 VUV laser excited by travelling wave discharge 2−1874
HCN CW subMM laser construction, output wavelength meas. *(Chinese)* 2−25676
HCN CW submillimetre wave laser *(Chinese)* 2−6131
HCN laser, far-IR, CW, cavity length stabilization system 2−20914
HCN laser, highly stable long-lasting 2−15448
HCN sub-MM wave laser, intensity modulation with Schottky barrier diode 2−20945
HD VV 2−20798
HF laser, resonant parametric frequency conversion in active media 2−2011
HN_3 far IR laser, reson. pumping 2−10196
H_2O, far-IR radiation generation possibility through vapour supersonic expansion 2−25705
$He-^{22}Ne$ laser, freq. stabilisation by CH_4 intracavity polarisation spectroscopy 2−1856
He-Ar-Xe, IR laser excited by UV preionised discharge 2−25686
He-Cd II hollow cathode metal vapour lasers, oscill. spectra, 533.7 and 537.8 nm lines 2−25683
He-Cd laser with RF pumping, quasi-CW operation 2−25695
$He-H_2$ recombination laser excited by continuously operating electron beam, impracticability 2−1883
$He-N_2$ radiative-collision high-efficiency UV laser amplifier 2−20807
He-Ne, CW laser, optical modulation by means of polaroid *(Croatian)* 2−1840
He-Ne, interferometric dilatometer for thermal expansion coeffs. meas. *(Japanese)* 2−11449
He-Ne $^{127}I_2$ stabilised lasers at 633 nm, international comparison 2−20802
He-Ne cascade laser, two-photon amplification 2−10221
He-Ne frequency stabilised laser, optical feedback effects 2−10305
He-Ne gas discharge laser, volt-ampere characts. investig. 2−10215
He-Ne laser, furnace combustion chamber flow meas. appls. *(Italian)* 2−12484
He-Ne laser, gas press. and gas partial press. ratio determ. by intensity ratio meas. *(Chinese)* 2−15442
He-Ne laser, high power, single freq. operation anal., resonant cavities 2−1875
He-Ne laser, I_2 stabilized, wavelength meas. by Michelson interferometer 2−6985
He-Ne laser, inverted Lamb dip, expt. and strong signal formalism calc. 2−25690
He-Ne laser, methane-stabilised, rel. to third harmonic of 10.2 μm R(30) transition of CO_2 laser, freq. differenc- e *(Japanese)* 2−6160
He-Ne laser, photoelec. counting meas., detuning effect on fluctuation props. 2−25702
He-Ne laser, simple method for single-freq. operation and stabilisation 2−6138
He-Ne laser applications in engineering meas. 2−6285
He-Ne laser line profile and width meas. at 6328 Å using optogalvanic spectroscopy *(Chinese)* 2−15443
He-Ne laser power stabilisation *(Russian)* 2−6156
He-Ne laser radiation self-defocusing as result of thermoelastic deforms. of an ebonite reflecting surface 2−2012
He-Ne laser radiation wavefront reversal by light-induced shaping of an absorbing material surface 2−2017
He-Ne laser stabilised with I_2 vapour, absorpt. cell evaluation *(Slovak)* 2−25804
He-Ne laser stabilized by methane saturated dispersion spectrum 2−15453
He-Ne laser with hollow cathode and limited discharge *(Chinese)* 2−15439
He-Ne laser with transverse microwave pumping, unsaturated gain determ. 2−6172
He-Ne two-mode ring laser, two-time correl. meas. 2−15541
He-Ne Zeeman lasers, mirror anisotropy effects, Jones matrix representation 2−20803
He-Ne/methane laser with periodically varying optical length, nonliner absorber influence on radiation parameters 2−6169
He-Ne/methane stabilised laser, freq. meas. *(Russian)* 2−6165
He-Sr recombination laser, freq. tuning and mode self-locking, 430.5 nm 2−25715
He-Xe, IR laser excited by UV preionised discharge 2−25686
He-Xe 3.51 μm laser CW amplified spontaneous emission output, orthogonally polarised component intensity fluctuations, anticorrels. 2−1862
He-Xe frequency offset locked laser, performance at 3.51 μm 2−10205
He-Zn II, hollow cathode metal vapour lasers, oscill. spectra, 492.4 nm line 2−25683
He-Zn II laser using natural Zn, single-mode operation, 492.4 nm 2−25682
^{3}He-Ne laser, CW nuclear pumped, lasing transition theory 2−15450
^{3}He-Xe laser, nuclear pumped, lasing at 2.63 μm 2−1837
^{3}He-Xe laser amplifier, direct nuclear pumped 2−20784
KrF lasers for compression and fusion 2−10408
N atomic laser action in hollow cathode discharge 2−15447
N_2 gas laser photolysis system, microcomputer controlled, appls. *(Japanese)* 2−6255
N_2 laser system with subnanosec. pulse duration for flash photolysis 2−10230
NH_3 12-μm Raman laser pumped by low power CO_2 laser pulse 2−1904
NH_3 far IR intracavity laser pumped by TE CO_2 laser 2−20836
NH_3 laser, optical pumping, lasing in fundamental band 2−10220
NH_3 laser, optically pumped, amplification at 11.707 μm 2−15455
NH_3 laser, temp. characts. 2−25710
NH_3, optically pumped with common pump and lasing level, kinetic model 2−6150
$^{14}NH_3$, $^{15}NH_3$, far IR laser lines predictions for CO_2, N_2O pump laser lines 2−25701
$^{14}NH_3$, far IR CW Raman and laser gain 2−10208

gas lasers continued
$^{15}NH_3$, CW Stark far IR lasing lines, optically pumped by CO_2 or N_2O laser 2−1872
$^{15}NH_3$ far IR laser system, isotopic CO_2 laser pumped, high power and efficiency 2−10224
N_2O laser, optical pumping of $^{15}NH_3$ CW Stark far IR lasing lines 2−1872
Ne, superradiation characteristics obs. at 614.3 nm in pulsed discharge in capillary 2−25700
Pb vapour laser, IR emission at 3.15 and 7.15 μ 2−20827
SO_2 laser pumped by CO_2 laser radiation, transition identification, 139.5-685 μ range 2−25712
SO_2 sub-MM wave lasers, transitions meas. by diode laser heterodyne spectroscopy 2−20838
Tl laser emission at 535 nm by two-photon-dissociation of TlBr 2−6162
Xe laser utilising $5d(3/2)_1^0$-$6p(3/2)_1$ transition, buffer gas role investigation 2−25709
Xe-He laser, reduction in radiation amplitude fluctuation using HF discharge 2−20809
Yb laser, output power depend. on pump pulse repetition freq. 2−20814

gas permeability *see permeability*

gas pressure cables
gas-insulated busbars, used for underground power transmission in extremely cold areas *(Japanese)* 2−12252
partial discharges measurement and location *(German)* 2−27504
three-phase gas insulated cable, loss reduction using coated steel sheath *(German)* 2−3750

gas-surface interactions *see sorption*

gas technology, natural *see natural gas technology*

gas turbine power stations
4×60 MW units, design, contracting and construction of the Castle Peak 'A' power station 2−7725
4 MW mobile power generator set 2−12508
100 MW coal gasification combined cycle power plant design and projected performance 2−12502
100 MW integrated coal gasification combined cycle power plant, USA 2−3975
260 MWe combined cycle power plants burning low grade fuels, hot component corrosion metallographic evaluation 2−27757
260 MWe combined cycle power plants burning low-grade fuels, economic comparisons 2−27756
300 MW exhaust-fired fluidised-bed combined cycle for power generation, feasibility study 2−27742
400 MW gas-fired combined cycle units at Gersteinwerk power station start-up procedure optimisation using simulation method *(German)* 2−17957
800 MWe HTGR gas-turbine power plant design 2−17865
automation, for increased operational safety and plant availability 2−27761
Brayton cycle appl. 2−7746
circuits of peak power plants based on hydraulic and air accumulation 2−18033
coal gasification, entrained flow, mathematical modelling 2−12503
coal gasification combined cycle power generation hot fuel gas desulphurisation process development *(Japanese)* 2−27713
coal gasification combined-cycle power plant dynamic response and control strategy 2−18041
coal-derived fuel utilisation in gas-turbine combined cycles 2−18039
cogeneration potential for enhanced oil recovery in USA 2−23115
combined cycle and combustion turbine field problems, EPRI investigation 2−27760
combined cycle plant automation 2−7747
combined cycle power plant, optimisation for energy balance and plant efficiency, modular calc. method *(German)* 2−17956
combined cycle power plants, future trends 2−17970
combined heat and power systems for industrial estates, Slough, England 2−23141
combined power and desalination facility, development of Ras Abu Fontas power and water station, Qatar 2−23146
combined-cycle plants, thermomechanical component reliability prediction procedures 2−18037
combined-cycle plants, thermomechanical component reliability forecasting methods, development and validation 2−18038
consideration on the future use of gas turbine plant in the energy industry *(German)* 2−23143
cool water coal gasification, 100 MW demonstration facility 2−3901
demand curve, joint operation of steam and gas turbine plant to cover variable portion, advantages 2−23113
efficiency improvement possibilities using steam and gas cycle combined with coal gasification *(Polish)* 2−7718
electric utility combustion turbine vanes, blades, and hot section components, advanced cooling technology, development and demonstration 2−27771
electric utility gas turbines, shale oil as fuel, evaluation 2−27770
fuel control system, computer model validation 2−23148
gas and steam turbine floating power plants for temporary off-shore operation *(German)* 2−17959
gas turbines principles of operation, application in heat and electrical energy generation in combination with gas-steam turbine sets *(Slovenian)* 2−3948
Huntorf, West Germany, utilising compressed air storage, economics *(Dutch)* 2−27764
indirect coal-fired gas turbine cogeneration systems, future 2−18042
integrated coal gasification-combined cycle power plant based on moving bed gasifier, digital simulation study 2−12487
integrated coal gasification-STEG power plant *(Dutch)* 2−27704
low grade fuel use tests, base load emission tests 2−27769
multiple heat and power systems, energy effectiveness *(German)* 2−27707
peak-load, thermal efficiency improvements by utilising exhaust gases heat 2−27767
power indices of steam/gas power heating plants (PHP), calc. 2−12474
predicting performance of gas turbine power systems, use of computer programs 2−27763
pressurised fluidised-bed combustion power plants, eleven Ca-based desulphurisation sorbents, performance comparison 2−27750
single shaft 125 MW, 50 Hz gas turbine designed for compact power stations 2−3946
starting reliability of gas turbo-sets *(German)* 2−27762
Texaco gasifier-based gasification-combined-cycle system, preliminary O_2 plant assessment 2−27755

gas turbine power stations continued
operating on zz, wear, deposition, and corrosion behaviour prediction 2−27768
O_2 manufacturing plants, suitability for load following combined cycle power plants 2−27754

gas turbines
see also gas turbine power stations; turbogenerators
absorption/desorption compressor, 90% heat conversion to electricity 2−3949
aerospace turbomachinery flow diagnostics, using holographic interferometry and laser anemometry 2−12041
aircraft engine, isoparametric shell structures anal. 2−18034
aircraft engine emission meas., sampling, analysis and data reduction problems 2−22432
airflow through cascade of turbine blades meas. and computing 2−7234
blades protection, using Pt-Al diffusion coating 2−27255
Brayton cycle appl. 2−7746
closed cycle, future 2−18042
coal fired air turbine cogeneration 2−18043
coal-burning, research advances in erosion prediction and reduction 2−12511
combined cycle unit with operating flexibility 2−3929
combined heat and power appl. in automotive industry, cost effectiveness 2−8116
compressed air storage using coal-fired fluidised bed combustors 2−3947
compressor stage, centrifugal, design, construction and testing 2−12509
Computer-based data acquisition system for gas-turbine testing 2−3944
control system digital simulation 2−12510
control technique for gas turbine generating set *(German)* 2−23145
deposition in gas turbines, Workshop proceedings, Palo Alto, USA, 1980 2−7745
design modifications to reduce NO_x emissions, trends 2−7743
design of high efficiency single and dual purpose plants with gas turbines 2−28314
digital computer control 2−18032
district heating development in USA, steam and gas turbines utilisation 2−18031
electric utility combustion turbine vanes, blades, and hot section components, advanced cooling technology, development and demonstration 2−27771
electric utility gas turbines, shale oil as fuel, evaluation 2−27770
engine, using Ni and Co alloys, corrosion prevention due to surface treatment 2−27256
engines automatic testing, ATLAS language implementation 2−22703
fluidised bed combustion, status and advantages *(French)* 2−12507
gas-cooled solar tower power station, combined gas-steam cycle 2−18067
hot-gas turbine testing and mech. design 2−3945
IM200 gas power turbine blades vibration stress measurement and results under operating conditions *(Japanese)* 2−18675
industrial waste heat conversion to electricity using turbosets *(German)* 2−17922
influence of contaminated fuel on turbine vane surface deposition 2−27766
internal combustion, for mechanical drives and standby sources of power 2−23147
liquid petroleum fuel airblast atomisation 2−18035
low grade fuel use tests, base load emission tests 2−27769
market obstacles to the closed cycle gas turbine 2−7740
NOx removal process by injection of NH_3 and H_2O_2 in gas turbine exhaust gas 2−18036
offshore production platforms, power generation and gas reinjection 2−7742
offshore use, technical and economic problems 2−23142
optimization of gas turbine combustor stoichiometry for expanded operating regime 2−27765
power for offshore production platforms 2−7741
power generation, Brayton cycle using dissociating nitrosyl chloride 2−18044
principles of operation, application in heat and electrical energy generation in combination with gas-steam turbine sets *(Slovenian)* 2−3948
residual-oil fuels for gas turbines, Workshop proceedings, Atlanta, USA, 1980 2−7744
single shaft 125 MW, 50 Hz gas turbine designed for compact power stations 2−3946
solar power station, cavity tube receivers design *(German)* 2−18068
thermionic combustor 2−12512
thermionic combustor application to combined gas and steam turbine power plants 2−12506
vibration testing of turbine parts, use of electronic speckle pattern interferometer 2−617
welded rotors construction and manufacture 2−27693
NO_x production limitation in burners 2−18040

gasdynamic lasers
acetylene combustion product laser 2−25706
explosion-type laser utilising acetylene combustion products, characts. 2−20825
high energy laser device technology for military appls., overview 2−6176
metallurgical use of gasdynamic laser with working medium heated by high temp. regenerative heat exchanger 2−25883
plasmodynamic laser, optimal parameters calc. in Na vapour *(Russian)* 2−10216
research and applications, review *(French)* 2−15428
theoretical aspects, book 2−1901
Ar thermally heated recombining plasma, amplification possibility under gasdynamic expansion 2−1885
CO electrically excited gasdynamic laser, electron-beam preionised, expt. research *(Chinese)* 2−15438
CO gasdynamic laser utilising active medium containing H_2 2−20816
CO_2, cold, rapid mixing with hot N_2 gases in gas throat, optical gain 2−1836
CO_2, freq.-selective stimulated emission in 16 μm band, resonator pulsed Q-switching 2−1882
CO_2, gain and vibr. temps. meas. and calc. 2−25718
CO_2 gasdynamic laser, three-freq. periodic pulse, energy capabilities 2−25722
CO_2 gasdynamic laser with electric-arc heating, stimulated emission at 18.4 μ 2−20830
CO_2-N_2-He laser mixture, supersonic flow, dynamic parameters calc. 2−6166
D_2-HCl-Ar(He), thermally pumped, gain and energy parameters 2−10237

gasdynamic lasers continued
H_2-HCl laser characts. 2−20823
H_2O diffusional, submillimeter-range radiation generation 2−25704
gaseous insulation
1.2 MV circuit-breaker development for gas-insulated substations 2−18398
400 kV substation design, in France, layouts for air and SF_6 insulation 2−23392
air, corona-onset field strength calcs. and equiv. radius concept 2−5839
air, streamer breakdown criterion for compressed gases 2−1084
compressed gas insulated systems, surface flashover of spacers, review 2−1500
corona and partial discharges, effects on insulation, alleviation and exploitation 2−9811
electronegative gases used in technical insulating appls., breakdown development 2−1504
electrostatic machine insulating gases dielectric strength, problems in using small scale meas. 2−11698
gas-insulated substations, appl. of high technology electronics to testing and operation 2−18400
hexafluoropropylene, dielec. strength under breakdown and prebreakdown conditions 2−15049
metal clad SF_6 switchgear probable life determination *(Dutch)* 2−23383
particle-contaminated gas breakdown in compressed-gas insulated systems, review 2−1501
plasma diagnostics in SF_6 pulse discharges *(German)* 2−15051
relative electric strengths and the molecular weights of gases, correl. for 82 gases 2−25376
SF_6 gas-insulated power transmission systems, pre-breakdown gas discharges in highly non-uniform fields 2−12246
spark breakdown potential meas. in gas mixtures, microprocessor controlled method *(German)* 2−3248
substations, mechanical props. of particulate-filled epoxy resins 2−18399
ternary gas mixtures for HV industrial insulation 2−15052
three-phase gas insulated cable, loss reduction using coated steel sheath *(German)* 2−3750
transmission lines, gas insulated, use of solid dielec. insulators 2−9802
vapour-mist dielectrics, cooling and insulating media for vapour-cooled power transformers 2−9763
N_2, streamer breakdown criterion for compressed gases 2−1084
SF_6 and SF_6-gas mixtures sparking potentials in uniform and nonuniform elec. fields, calc. 2−25375
SF_6 as insulating and arc-extinguishing medium, advantages *(Dutch)* 2−5840
SF_6 circuit breakers, insulating material deterioration under arc action *(Polish)* 2−15050
SF_6 circuit breakers for 400 kV substations *(French)* 2−23394
SF_6 circuit breakers insulators, laboratory testing of elec. insulating materials superficial resistance 2−9766
SF_6, effect on the breakdown voltage of surface roughness *(Czech)* 2−5841
SF_6 gas circuit breakers, mech. failures external diagnostic technique 2−18383
SF_6 gas impregnated polymer film transformer insulation, partial discharge inception and extinction studies 2−7908
SF_6, gaseous and liquid, dielectric breakdown behaviour, obs. *(German)* 2−9808
SF_6 insulated 400 kV metalclad substations *(French)* 2−23393
SF_6 insulated equipment fault sensors 2−18396
SF_6 insulated substation environment and protection scheme 2−18397
SF_6 insulated switchgear diagnostics, testing and fault location techniques 2−18395
SF_6 insulation electric strength for EHV apparatus *(Russian)* 2−28040
SF_6, point-plane corona pulses 2−15048
SF_6, positive ions in spark breakdown influence of N_2, O_2 and D_2O 2−1503
SF_6 pressurised, breakdown field strength, electrode surface condition effects 2−9809
SF_6 puffer interrupter, real gas eqns. for use in analytical model 2−18384
SF_6, streamer breakdown criterion for compressed gases 2−1084
SF_6 voltage breakdown, influence of decomposition products, obs. *(Czech)* 2−5842
SF_6-insulated switchgear installations, isolator switching transient meas., max. overvoltage factor *(German)* 2−7950
SF_6-N_2 mixtures, diffusion rate of SF_6 into N_2 determ. 2−25374
Gaussian noise *see random noise*
Ge-Si alloys
Hall mobility of holes in solid solns. 2−25044
IR detection material, Czochralski growth and crucible-free process prep. 2−8797
p-n junction, quantum yield, spectral distrib. *(Russian)* 2−1777
Ge-Si, solid solutions, kinetics of photoconductivity *(Russian)* 2−6085
Ge_xSi_{100-x} amorphous layers, heterostruct. fabrication by solid phase growth 2−5006
Si rich Si-Ge alloys for IR detectors, elec. and optical meas. 2−10117
a-Si-Ge for new photovoltaic devices, review 2−25628
Si-Ge:P, thermal cond. change by precip. of dopant 2−25036
SiGe:H amorphous film solar cell, Tandem type 2−28116
a-$Si_{1-x}Ge_x$ films for high performance solar cells 2−23447
n-$Si_{63.5}Ge_{36.5}$, thermal cond. and thermoelec. conversion, phonon-grain boundary scatt. effect 2−20112
Si_xGe_{1-x}:H alloy amorphous films, optical and elec. props., solar cell appls. 2−23565
Geiger counters
counting rate range extension 2−11795
fast-neutron sensitivity, comparison using different techniques 2−22489
high voltage generator cct., using AF amplifier for counting tube *(German)* 2−17246
semicylindrical organic type GM counter design and performance 2−11843
unshielded background counting rates and GM counter dimension relation 2−27046
Geiger Muller counters *see Geiger counters*
gelatin
see also gels
dichromated, for white light reconstructed hologram fabrication *(Chinese)* 2−25864
dichromated gelatin film, volume phase hologram image formation, expt. study *(Russian)* 2−25877
photogelatin films, sensitised, climatic protection with varnish 2−15575
gels
transition metal oxides, elec. and electrochromic props., review 2−25010
generator protection *see machine protection*
generators, acoustic *see acoustic generators*
generators, electric *see electric generators*
geodesy
geodynamics research, appl. of space technology 2−7428
Laser Synchronisation by Synchronous Orbit (LASSO) expt., present state *(French)* 2−3575
NAVSTAR, appl. of Global Positioning System geodetic receiver to geodesy and geophysics 2−7409
satellite ranging laser station at Kavalur, India, performance and results in (1980) 2−3574
synthetic aperture radar, spacetime for planetary geodesy and navigation 2−22646
two-dimensional surface of a space of autocomposition 2−19074
VLBI appl., coherence limits 2−17561
geodetics *see geodesy*
geoelectricity *see terrestrial electricity*
geology
Detour Zn-Cu-Ag deposit, NW Quebec, airborne EM discovery 2−17547
graphite deposit, Bavaria, resistivity sounding with different electrode arrays 2−7416
remote sensing, reduction of satellite magnetometer data for geological studies 2−17552
sulphide deposit, Andhra Pradesh, multifrequency Turam meas. 2−17546
sulphide ores, disseminated, containing elongated mineralisation, induced polarisation 2−17545
geomagnetic storms *see magnetic storms*
geomagnetic variations
see also micropulsations
ionosphere midlatitude MF and HF absorption winter anomaly, geomag. control 2−21099
sea floor geomagnetic variations, meas. via ocean bottom proton magnetometer 2−22717
geomagnetism
see also geomagnetic variations; magnetic storms
500 kV AC transmission line, geomagnetically induced currents, effects 2−27541
anomalies, computation of spectrum of potential field due to three-dimensional homogeneous bodies *(Chinese)* 2−3577
anomalies interpretation, unsolved plane problems in mathematical theory 2−7421
Detour Zn-Cu-Ag deposit, NW Quebec, airborne EM discovery 2−17547
electrojet, storm time surface mag. field, ionosphere/magnetosphere current contrib. 2−6327
EM induction, E-polarisation boundary conditions above laterally non-uniform conductors 2−7415
EM induction, numerical methods for establishing solns. to inverse problem 2−17553
EM induction, transient response of induction logging tool in borehole 2−17548
EM induction sounding, method of reducing terrain relief effects from VLF-EM data 2−22716
EM probing, appl. to injected fluid flow monitoring 2−7440
EM sounding, finite element modelling of data in three dimensions 2−3581
EM sounding, multifrequency Turam meas. over sulphide deposit 2−17546
groundwater, EM prospecting in Precambrian terrain in Upper Volta 2−27279
high-frequency signal propagation and scattering in guiding channels 2−10547
low-energy electron magnetometer for terrestrial and aerial mag. field meas. 2−3604
magnetotelluric inversion, analytic one-dimensional scheme 2−7419
magnetotelluric inversion, new technique for layered Earth interpretation 2−17544
ocean, anal. of EM technique for investigation of currents *(Russian)* 2−7446
quasi static magnetic field technique used to determine position and orientation 2−3273
satellite magnetometer data, examination of reduction for geological studies 2−17552
time-derivative magnetometers to be installed on spacecraft, development *(Japanese)* 2−3579
transient EM response of polarisable ground, theory 2−3583
geometric programming
circuit tolerance assignment problem, geometric programming formulation 2−8939
constrained l_1 estimation via geometric programming 2−4903
multiple circuit transmission lines, optimal repair rates 2−12269
primal geometric program soln. by partial dual optimisation 2−4910
geometrical optics
aberration corrected holographically recorded diffraction gratings 2−2050
achromatic Fourier processor, dispersive lens power paraxial solns. 2−2380
conical reflector parameters and telescope receiver irrad. coeff. calc. for total-radiation pyrometer 2−1770
EM wave backscattering by radially inhomogeneous plasma sphere, geometrcal optics approx. 2−2159
EM wave propag. in nonlinear media; nonlinear integro-differential equation *(Russian)* 2−10358
EM wave refraction at curved dielectric interface, geometrical optics soln. 2−21067
fibre, gradient-index, tapered, image props. *(Chinese)* 2−20624
fibres, graded-index, mode coupling due to microbending 2−9972
Hamilton eqns. of geomorphic optics for media with moderate absorption 2−21111
information processing, appl. of optical ang. discriminator 2−10715
miniaturisation limits in optics *(German)* 2−25469
planar aperture antenna in inhomogeneous medium EM field, geometrical optics ray representation 2−2194
reflector mappings in computer plane, uniqueness theorem, Monge-Ampere eqn. 2−6363
step-index optical fibres, Goos-Haenchen effect and modal distrib. 2−1706
unstable optical resonator, mode restriction characts. *(Chinese)* 2−25803

geometrical optics continued
unstable resonator with mirror misfigures, near field phase calc. 2−1971
wave field near nonsingular caustic, short-wavelength asymptotic behaviour 2−15683

geometry
complex figure length meas., theoretical and experimental anal. *(Japanese)* 2−13395
functions holomorphic in tuboids, decomposition 2−4705
line drawings of polyhedra rel. to plane skeletal struct. 2−8250

geophones *see seismometers*

geophysical equipment
see also atmospheric measuring apparatus; data loggers; geophysical prospecting; geophysical techniques; meteorological instruments; oceanographic equipment; seismometers
AF demagnetizer for palaeomagnetic studies with unrotated specimens 2−7424
airgun firing data acquisition system *(Japanese)* 2−22711
digital techniques applied to oil, natural gas exploration 2−7426
discrete velocity filter design for seismic data processing 2−19800
down-bore hole ion-controlled diodes, temp. depend. of gate-controlled portion 2−22241
earthquake seismograph development, modern history 2−3580
earthquake seismograph development, modern history 2−7413
electrical conductivity meas. instrumentation for rock studies 2−27262
electrical resistivity arrays, focused, theoretical and practical expts. 2−7417
FAK-P facsimile equipment as a recorder in seismic profiling systems 2−3199
fluxgate magnetometer with two 6-81 Mo permalloy core sensor 2−9864
gamma-ray survey instrument with large-vol. plastic detector 2−17549
geodetic receiver with NAVSTAR Global Positioning System, appl. to geodesy and geophysics 2−7409
Gough-Reitzel magnetometer, second generation instruments 2−7425
Heidelberg proton microprobe using 6 MV tandem Van de Graaff accelerator 2−11702
induction logging tool in borehole, transient response 2−17548
IR/visible ratioing radiometer, reflectance and radiance meas. 2−12068
laser altimeters, anal. of target signatures 2−27260
Linear Array Pushbroom Radiometer, three band, characts. 2−3165
low-energy electron magnetometer for terrestrial and aerial mag. field meas. 2−3604
magnetometers, time-derivative, to be installed on spacecraft, development *(Japanese)* 2−3579
mosaic staring sensor, balloon-borne, appl. to Earth-atmosphere IR background meas. 2−27267
ocean bottom proton magnetometer, design and testing 2−22717
particle induced X-ray emission anal. appl. to analytical problems 2−11882
photogrammetry, and instrumentation for direct mapping 2−3587
photogrammetry, image correl. techniques and devices 2−3588
photometric detector, with automatic display regulator *(Russian)* 2−7411
prospecting, transient methods, shape of generating pulses *(Russian)* 2−22719
proton precession magnetometer, based on principle of NMR for geomagnetic field meas. *(Chinese)* 2−22713
radio-echo sounder, phase-sensitive, appl. to detailed study of glacier beds 2−7441
reduction column for nitrates determ. in freshwater 2−3619
resistivity profiles, electrode arrays, appl. of different arrays over graphite deposit 2−7416
seismic detectors, selection guidelines for high-resolution appls. 2−17556
seismic mantle wave recording system 2−17542
seismic measurement systems, optimisation from error for inverse modelling schemes 2−17543
seismic vibrator, amplitude and phase response 2−7414
seismic wave signal real time data processing system *(Japanese)* 2−12060
soil surface props. sensing using vibrator probe with piezoceramic transducer 2−12067
solar survey instruments, procedures and pitfalls 2−22313
spinner magnetometer, operation and principle 2−3584
telemetering equipment for Japanese coseismic terrestrial electricity data system *(Japanese)* 2−7410
telemetry ocean bottom pressure observation system at depth of 2200 m, appl. to earthquake prediction 2−17566
tiltmeters, function and prospects for earthquake prediction 2−12061
X-ray fluorescence, portable apparatus for minerals exploration *(Chinese)* 2−22714
zero-method pendulum with electronic control for gravity meas. *(Rumanian)* 2−17555

geophysical prospecting
EM induction sounding, method of reducing terrain relief effects from VLF-EM data 2−22716
EM prospecting in Precambrian terrain in Upper Volta 2−27279
EM sounding, discovery of Detour Zn-Cu-Ag deposit of NW Quebec by airborne survey 2−17547
EM sounding, transient response of induction logging tool in borehole 2−17548
exploration, recent developments 2−17843
gamma-ray survey instrument with large-vol. plastic detector 2−17549
groundwater exploration in Sudan, via combination of elec. resistivity, seismic refr. and gravity meas. 2−17564
high-frequency signal propagation and scattering in guiding channels 2−10547
induced polarisation sounding, theory for disseminated sulphide ores containing elongated mineralisation 2−17545
magnetotelluric sounding, E-polarisation boundary conditions above laterally non-uniform conductors 2−7415
maritime EM prospecting equipment, composite dipole radiator appl. *(Russian)* 2−22730
oil, electronic instruments and control 2−7426
oil and gas prospecting, physical principles of high-frequency induction log isoparametric sounding 2−27265
petroleum exploration, statistical techniques 2−8486
seismic airgun, calibration procedure using hydrophone with flat response procedure 2−22715
seismic prospecting, error estimates for inverse modelling schemes u sing travel times meas. 2−17543
seismic sounding, amplitude and phase response of seismic vibrator 2−7414

geophysical prospecting continued
seismic streamer array, calibration procedure using hydrophone with flat response procedure 2−22715
side-looking airborne radar system for remote sensing Earth resource s 2−3586
subsurface radar pulse distortion in complex dielectrics 2−11104
telemetry application in China 2−12065
transient methods, shape of generating pulses *(Russian)* 2−22719
X-ray fluorescence, portable apparatus for minerals exploration *(Chinese)* 2−22714

geophysical techniques
see also atmospheric techniques; hydrological techniques; ionospheric techniques; oceanographic techniques
clock synchronisation between two stations, using artificial satellite 2−3576
digital signal processing, display enhancement for seismic interpretation 2−10685
Earth-atmosphere IR background radiation, meas. from balloon-borne staring sensor 2−27267
earthquake prediction, appl. of telemetry ocean bottom press. obs. system at 2200 m 2−17566
earthquake prediction, tiltmeters function and prospects 2−12061
electrical conductivity imaging for core samples, anal. 2−3582
electrical sounding, finite element modelling of data in three dimensions 2−3581
electrical sounding, physical principles of high-frequency induction log isoparametric sounding 2−27265
EM induction sounding, method of reducing terrain relief effects from VLF-EM data 2−22716
EM induction sounding, numerical methods for establishing solns. to inverse problem 2−17553
EM probing, appl. to injected fluid flow monitoring 2−7440
EM sounding, discovery of Detour Zn-Cu-Ag deposit of NW Quebec by airborne survey 2−17547
EM sounding, finite element modelling of data in three dimensions 2−3581
EM sounding, multifrequency Turam meas. over sulphide deposit 2−17546
EM sounding, transient EM response of polarisable ground 2−3583
EM sounding, transient response of induction logging tool in borehole 2−17548
geodesy, appl. of NAVSTAR Global Positioning System geodetic receiver 2−7409
geodesy, performance and results of satellite ranging laser station at Kavalur, India, in (1980) 2−3574
geodynamics research, appl. of space technology 2−7428
geomagnetic field measurement, new time-derivative magnetometers to be installed on spacecraft *(Japanese)* 2−3579
geomagnetic variations meas. on sea floor, appl. of ocean bottom proton magnetometer 2−22717
gravity anomalies interpretation, unsolved plane problems in mathematical theory 2−7421
gravity sounding, computation of spectrum of potential field due to three-dimensional homogeneous bodies *(Chinese)* 2−3577
induced polarisation sounding, contour map presentation of dipole-dipole data 2−7418
induced polarisation sounding, theory for disseminated sulphide ores containing elongated mineralisation 2−17545
interferometry, very-long-baseline geodetic appl., coherence limits 2−17561
International Geoscience and Remote Sensing Symposium, Washington, DC, USA (1981 June 8 to 10) 2−3590
IR imaging, METEOSAT image deformation problems solution 2−27277
lake basins sediments analysis, paleolimnological uses of X-ray spectrometry 2−3615
machine processing of remotely sensed data, conference, West Lafayette, Indiana (1981 June 23 to 26) 2−12066
magnetic anomalies interpretation, unsolved plane problems in mathematical theory 2−7421
magnetic granulometry of sediment cores, rapid method with appls. to environmental studies 2−17550
magnetic sounding, computation of spectrum of potential field due to three-dimensional homogeneous bodies *(Chinese)* 2−3577
magnetotelluric inversion, analytic one-dimensional scheme 2−7419
magnetotelluric inversion, new technique for layered Earth interpretation 2−17544
magnetotelluric modelling, one-dimensional, topography and minimisation of standard deviation 2−7420
magnetotelluric sounding, E-polarisation boundary conditions above laterally non-uniform conductors 2−7415
microwave remote sensing instrumentation for Earth satellites, advances 2−27266
operative position finding, artificial satellite appls. in navigation, geophysics and surveying, dist. meas., radio interferometry *(German)* 2−17455
orbital image sensor geometry simulation, in FORTRAN 2−12063
passive ring resonator method for sensitive inertial rot. meas. in geophysics and relativity 2−17135
photogrammetry, and instrumentation for direct mapping 2−3587
photogrammetry, image correl. techniques and devices 2−3588
position and orientation determ. from quasi-static mag. field techmique 2−3273
remote sensing, reduction of satellite magnetometer data for geological studies 2−17552
remote sensing, statistical scale-up estimators for surveys where detect. and classification errors exist 2−12064
resistivity profiling, appl. of different electrode arrays over graphite deposit 2−7416
resistivity sounding, theoretical and practical expts. with focused elec. resistivity arrays 2−7417
satellite appl. to surveying and ocean navigation, Transit development 2−6866
sediment conductivity determ. using sea current electric field 2−12082
seismic prospecting, error estimates for inverse modelling schemes u sing travel times meas. 2−17543
seismic signals adaptive deconvolution, prediction theory *(Hungarian)* 2−7427
seismic sounding, amplitude and phase response of seismic vibrator 2−7414
seismic sounding, guidelines for selecting seismic detectors for high-resolution appls. 2−17556

geophysical techniques continued
seismic wave signal real time data processing system *(Japanese)* 2−12060
seismology, cepstrum analysis theory and appl. 2−10684
space geodesy, present state of Laser Synchronisation by Synchronous Orbit (LASSO) expt. *(French)* 2−3575
space-enhancing technological leadership, conf., Boston, MA, USA, (Oct. 1980) 2−8159
Spacelab I, Metric Camera and Microwave Remote Sensing experiments 2−17447
synthetic aperture radar image, two dimens. image spectrum determ. method 2−2819
telemetering equipment for Japanese coseismic terrestrial electricity data system *(Japanese)* 2−7410
triple probe method for plasma parameter display in spacecraft condition 2−17563
zero-method pendulum with electronic control for gravity meas. *(Rumanian)* 2−17555

geophysics
see also Earth; geodesy; geology; geomagnetism; geophysical techniques; meteorology; oceanography; seismology; space research
geosciences, directional statistics 2−8488
gravity inversion appls., quadratic programming algorithm 2−13624
mining geostatistics practice (1980) 2−8489
NAVSTAR, appl. of Global Positioning System geodetic receiver to geodesy and geophysics 2−7409

geophysics computing
see also computerised instrumentation
atmosphere, automatic cloud tracking technique appl. to GOES and METEOSAT obs. 2−7435
data processing for weather forecasting *(French)* 2−17560
earthquake/explosion data, pattern recognition of waveforms using autoregressive modeling 2−4825
geological prospecting in China, telemetry appl. 2−12065
German Meteorological Office, image data preparation of weather satellites *(German)* 2−17446
LANDSAT multitemporal data, environmental change monitoring system 2−7412
magnetotelluric inversion, analytic one-dimensional scheme 2−7419
magnetotelluric modelling, one-dimensional, topography and minimisation of standard deviation 2−7420
ocean bottom seismometer, time code reader, data processing appl. *(Japanese)* 2−22712
oceanographic undulating recorder Mark 2, with data acquisition and pr ocessing 2−22740
photogrammetric mapping, new instrumentation 2−3587
remote sensing, simulation of orbital image sensor geometry 2−12063
seismic anal., effective ARMA model 2−4823
seismic data sets, principal components anal. appl. 2−303
seismic event depth estimation, multidimensional approach 2−304
seismic spectral data multivariate anal. for rock mass characterisation in opencast mining 2−4824
seismological data, computerised processing, Moxa-Jena system *(German)* 2−22189
sunlight, predeterm. of irradiation on inclined surfaces for different European centres 2−7437

geopotential *see geodesy*

geothermal power
alternative sources of power 2−22976
aquifer compressed air, energy storage digital simulation 2−12519
aquifer field test for compressed air energy storage 2−12520
CAES load regulation 2−12537
CAES system champagne effect mechanism and control 2−12521
CAES system economics 2−12185
CAES technology 2−12188
California, in USA, development from 1960 to present day 2−23157
complimentary design for geopressure geothermal methane extraction and power generation 2−7609
direct coupled CAES evaluation 2−12187
economic planning tool 2−3951
electricity generation prospects, United Kingdom 2−3824
electricity production appl. *(French)* 2−12516
environmental planning and geothermal resource exploitation in Texas and Louisiana, in USA 2−22993
experimental evaluation of a prototype hybrid redox halogen energy storage device for storing solar and geothermal energy 2−12954
HDR energy programme 2−7611
hybrid advanced compressed air energy storage plant 2−12186
isobutane-isopentane mixture condensation film coefficients 2−7613
Lysholm engine performance characts. 2−7615
mixed hydrocarbon binary thermodynamic cycles 2−7612
performance and operational experience of a prototype binary geothermal power plant 2−7614
renewable energy sources *(French)* 2−12330
rock-water system for electricity generation *(German)* 2−12518
space heating and hot water supply appl., efficiency and economics aspects *(French)* 2−4475
United States geothermal potential, assessment 2−3950

geothermal power stations
aquifer thermal energy storage system 2−18050
California, in USA, development from 1960 to present day 2−23157
compound hybrid geothermal-fossil power plants: thermodynamic analyses and site-specific applications 2−23159
design and operations of a 500 kW direct contact geothermal pilot plant 2−23158
double flash cycle, 55 MW, Japanese (Hatchobaru) design 2−27776
energy planning and economy in US *(Hungarian)* 2−18047
evaporating lens direct lens superheated heat exchangers design a nd evaluation 2−18048
geopressed resources energy conversion plants system thermodynamics 2−18049
heat exchangers, geothermal waters utilisation as primary agent *(Rumanian)* 2−12515
hot dry rock resources, policy analyses for infant technology 2−12517
noise control by Pacific Gas and Electrical Company, USA 2−3953
Ohaki condenser-cooling tower pilot plant for design studies 2−23156
predicted performance of geopressured geothermal energy conversion systems using thermodynamic availability concepts 2−27777
rating according to entropy production 2−3952

germanate glasses
GeO_2-B_2O_3-SiO_2 glass fibre optic preforms, nondestructive conc. profiling by Raman spectra anal. 2−1700
GeO_2-SiO_2 glass preforms, pure and codoped, UV absorpt. obs. 2−20608
SiO_2-GeO_2 glass, material dispersion zero 2−9964
SiO_2-GeO_2-F-P_2O_5 single mode fibres, chromatic dispersion effects calc. 2−25487

getters
see also electron tube manufacture; vacuum techniques
miniature relay D1, using getter for high contact reliability 2−24767
MOS capacitor, improved oxide from backsurface Ar implantation 2−1238
phosphosilicate glasses, maintain threshold stability on n-channel MOSFET devices 2−15030
role of lattice defects 2−14953
semiconductor wafer defect control, gettering procedures 2−14741
space chambers, small, vac. pumping systems *(Japanese)* 2−27240
GaAlAs, growth by low-pressure MO-CVD, gettering of O_2 2−602
GaP:N, Al^{2+} postimplantation gettering effects in p-n junctions 2−9485
Si wafer processing, defect and contamination control 2−14755
Si:Au, implantation gettering of Au, neutron activation study 2−20185
W-Br lamps, getter behaviour *(Japanese)* 2−8072

GFRP *see glass fibre reinforced plastics*

giant pulsations (earth) *see micropulsations*

glaciology
glacier beds sounding, detailed study using radio-echo techniques 2−7441

glass
for semiconductor glasses see amorphous semiconductors and chalcogenide glasses
see also aluminosilicate glasses; amorphous semiconductors; borate glasses; chalcogenide glasses; germanate glasses; glass fibre reinforced plastics; glass fibres; glass industry; glass-metal seals; optical glass; phosphate glasses; phosphosilicate glasses; vitreous state; vitrification
adhesion to Al and Cu using arc spraying solderable tabs 2−4649
ceramic chip carriers, Military Standard environmental testing 2−5797
ceramics, fracture toughness meas., SEM secondary electron and backscattered electron image appls. 2−8871
engineering appl., types, behaviour and strength testing 2−19466
fabric insulating tapes for higher temp. ranges 2−5034
fluorozirconate glasses as solid electrolytes, preliminary studies *(French)* 2−12775
glass:Cr^{3+} based materials, fluorescent, for luminescent solar collector 2−25596
glass-isopropanol slurries, electrophoretic deposition of coatings 2−5037
insulator, surface flashover measurements in vacuum and N_2 gas 2−9805
molten, gas bubble expulsion by surface-tension gradient method 2−616
nuclear track detectors, solar eclipse effect on response 2−17283
particle-detector track diameter and area meas. 2−27049
scintillator glass SCGIC shower detector, longit. response 2−17234
slide, ohmic contacts of high mech. strength, prep. 2−9264
solar photovoltaic arrays, arrays, low-cost, glass encapsulation 2−23440
spectroscopic and lasing props. of highly conc. glasses 2−25747
Ag coated glass spheres for thick film electronic circuits 2−13849
$LiIO_3$-SF_6 glass struct. for acousto-optical light deflector, design considerations 2−20700
$Li_2Si_2O_5$ glass-ceramics, pyroelec. 2−1465
Na_2O-CaO-SiO_2 glass nuclear track detectors, pre-irradiation annealing effect on bulk etch rate 2−17282
SiO_2 glass films, MOS IC technology, atmospheric-pressure CVD system 2−13843
SiO_2:Sn glass for self-aligned normally-off GaAs MESFET 2−9650

glass fibre reinforced plastics
composite epoxy laminates, for plated through hole circuit boards 2−19940
epoxy/glass laminate for PCBs, punchable grade, high performance, use in high-quality electronic assemblies 2−14426
Glastic SG-200 fibreglass mat reinforced polyester laminate for high-temp. transformer insulation appls. 2−18308
hollow telephone poles appl. 2−2567
PC laminates reinforced with fibre glass textile yarns, impact on industry 2−14488
PCB, conductive anodic filament growth 2−14374
PCB epoxy glass based laminate PDR 100, additive production system 2−14430
PCB epoxy-resin laminate, curing with different ratios of benzyldimethylamine/dicyandiamide 2−14428
PCB glass fibre epoxy laminates, water absorption, accelerated ageing test rel. to elec. and phys. props. 2−14454
PCB multilayer materials, genesis 2−24796
PCBs, rigid glass epoxy laminates, composition and processing 2−14490
phenolic-based insulating materials, elec. cond. and thermal decomp. 2−5862
polymide-glass fibre system, hermetic ceramic chips carrier interconnection with printed wiring boards 2−9324
silicon-based insulating materials, elec. cond. and thermal decomp. 2−5862

glass fibres
see also fibre optics; optical fibres
ceramic fibre blanket wrap for cable tray and conduit fire protection 2−17740
coated fibre glass sleevings, primer 2−15074
communications technology appl. *(German)* 2−21815
elongation of strip materials meas., industrial transducers design 2−16951
insulant, apparent thermal conductivity, effect of compression and moisture content 2−19465
insulating sleevings, props. evaluation 2−9829
optical fibres, precision fracture 2−20656
radiation damping in bent fibre light-pipes *(Russian)* 2−5038
Ag-plated glass fibre fuse links for continuous currents <63 mA *(Polish)* 2−14359
Na-S battery, hollow fibre, recent developments and progress 2−12824

glass formation *see vitrification*

glass industry
electric melting of glass, graphite electrode appls. 2−18833
electrical tank furnace, high productivity for making cryst. 2−8125
elongation of strip materials meas., industrial transducers design 2−16951
fan control for the glass industry using static induction motor drives 2−18834
furnace, thyristor control of power 2−18830

glass industry continued
glass conductance controlled electric forehearth 2−8127
Industry Applications Society meeting, conf., Philadelphia, PA, USA (Oct. 1981) 2−13164
lehr drive, variable frequency, appl. and installation 2−18648
melting, bottom electrode boosted elec. furnace, electrical sizing of power supply 2−18831
melting of clear borosilicate glass, electric furnace design 2−18832
otical fibre diameter; regulation and control by automatic system, BIS-2 meter 2−11349
processing, gas-bubble expulsion by surface-tension gradient method 2−616

glass-metal seals
see also electron tube manufacture
anode of TV tube, metallography study *(Polish)* 2−1107
ceramic-metal seals, electronic component materials manufactured in Polish Electronic Materials Research and Production Centre *(Polish)* 2−1524
gas bubble expulsion from molten glass by surface-tension gradient method 2−616
joining processes in electronic components manufacture, high-temperature technologies *(German)* 2−13281

glasses *see glass*

glassy state *see vitreous state*

glossaries
electronic dictionary, Chinese/English/French, Chinese character generation, bubble memory device 2−20536
power systems data transmission, IEEE glossary and definitions 2−13140
telecommunication dictionary 2−18856

glow discharge lamps *see discharge lamps*

glow discharge microphones *see microphones*

glow discharges
air, DC positive streamer corona enhancement due to electronegative gas addition 2−14552
air, nanosecond vol. discharge contraction process investigation 2−14553
current zero phenomena by switching-off low-voltage circuits with currents up to 500 A *(Czech)* 2−24854
electrostatic precipitator, back discharge field, streamer and glow discharge modes, meas. with bipolar current probe 2−10442
hollow cathode device, for negative glow study by effusion technique 2−5520
laser excitation and breakdown effects, transient glow discharges 2−10251
MM wave amplification, in cold cathode glow discharge 2−24692
MM-wave radiation amplification using glow-discharge tube 2−24896
plasma display panel fabrication, field-assisted bonding, vacuum deposition technique, glow-discharge activation 2−598
voltampere characteristics of corona discharge with nonlinear ion mobility, calc. method 2−20012
Ag hollow cathode CW ion laser at 4788 Å *(Chinese)* 2−10193
Ag ion UV and IR hollow-cathode laser, operating characts. 2−10197
Ar, electron swarm parameters 2−14551
Au ion UV and IR hollow-cathode laser, operating characts. 2−10197
C stripper foils made by DC glow discharge process, physical props. and structure 2−11744
CO CW chemical laser using hollow-cathode discharge for atomic O prod. 2−1867
CO_2 high-speed flow electrodischarge laser with active medium transverse pumping, amplification parameter calc. *(Russian)* 2−1859
CO_2 laser, wave instability regions in glow discharge, pressure-current meas. 2−6139
Cu II hollow cathode laser characts. 2−10226
Cu ion UV and IR hollow-cathode laser, operating characts. 2−10197
CuII UV laser optimisation 2−10198
H glow discharge, anode transition 2−9344
He-Cd II hollow cathode metal vapour lasers, oscill. spectra, 533.7 and 537.8 nm lines 2−25683
He-Ne laser with hollow cathode and limited discharge *(Chinese)* 2−15439
He-Zn II, hollow cathode metal vapour lasers, oscill. spectra, 492.4 nm line 2−25683
He-Zn II laser using natural Zn, single-mode operation, 492.4 nm 2−25682
Kr, electron swarm parameters 2−14551
N atomic laser action in hollow cathode discharge 2−15447
N_2 laser, simple small open air TEA, effective glow form. 2−10225
Si, amorphous, new fabrication technologies 2−25020
p-Si:H, B amorphous film, high cond., prep. by Penning discharge 2−19439
Si:H amorphous film deposition by Penning glow discharge of SiH_4 2−19437

goniometers
discrete step goniometer for human elbow movement meas. 2−17332
Doppler radiogoniometers, VHF and UHF, for individualisation of transmitters in an urban zone *(Italian)* 2−6738
Meteor radio-relay goniometer, computerised primary-processing scheme *(Russian)* 2−26414
Meteor radio-relay goniometer, software library *(Russian)* 2−26415
variable temperature implantation and anal., medium energy facility 2−5668

goods dispatch data processing
see also computerised materials handling
telephone cable manufacturing inventory, production and assignment system 2−10947

government data processing
see also police data processing; town and country planning
Civil Service administrative directives, idea of videotex database 2−10832
Italian social security agency decentralised data processing *(Italian)* 2−16183
planning for USA Federal Government information systems 2−21433
rural local authorities data networks *(German)* 2−21589

grain boundaries
for grain boundary diffusion, see diffusion in solids; for gain boundary segregation, see segregation
see also bicrystals; twin boundaries
ceramic materials, interaction with alkali metal and halide vapour in arc tubes 2−13054
ICs electro- and thermotransport effects on conductor lifetimes *(German)* 2−5794

grain boundaries continued
MOSFET, poly Si, laser crystallised, elec. characts., effects of grain boundaries 2−9656
n^+-p^--p^+ lateral diodes made from low press. CVD polycryst. Si films, energy distrib. of traps at grain boundaries 2−25196
photoelectrochemical solar cells, photocorrosion process on n-GaAs and corrosion prevention 2−12913
semiconductor, electronic response to illumination, surface effects 2−10116
semiconductor, polycrystalline, carrier mobility, grain boundary barrier model 2−9388
semiconductor material/device characteris. using two-wavelength laser scanner 2−10405
semiconductors, polycrystalline, grain boundary scatt., charge scatt. model 2−24898
solar cells, polycrystalline, grain boundary passivation effects 2−23623
solar cells, Si-on-ceramic, evaluation for low-cost fabrication 2−12894
thin film transistor, polycrystalline, effect of grain boundaries on transport mechanism 2−14881
Al metallisation, electromigration meas. techniques for grain boundary diffusion activation energy 2−14805
Al-poly-Si Schottky-barrier solar cell, large grain, majority carrier current characteristics 2−4341
Al-SiO_2-Si solar cells polycrystalline, grain boundaries passivation 2−12899
Au-mica-p-Te:Cu film MIS struct., field effect studies 2−20145
Au-Sn-Al metallisations on GaAlAs, interfacial struct. studies 2−5705
CdS:Al_2O_3(SnO_2) coating prep. by spray pyrolysis, solar cells appl. 2−24990
CdS/Cu_2S sintered solar cells, controlled annealing of sintered C dS layer effects on photovoltaic performance 2−8006
Fe-C alloys and structural steel, AE during tensile tests 2−13881
Fe-Si (3 wt%) sheets, grain oriented, remanence theory in presence of external stresses 2−15115
GaAs:Zn, polycrystalline, optoelectronic props. rel. to grain boundary features, cathodoluminesc. anal. 2−20089
p-InP based photocathodes, solar to H_2 conversion, polycryst. films improvement by reacting Ag with grain boundaries 2−23403
InSb thin film transistor, polycrystalline, effect of grain boundaries on transport mechanism 2−14881
Si CVD films, polycryst., elec. props., depend. on grain size and impurity doping conc. 2−14616
Si, carrier recombination at grain boundaries 2−1154
Si, polycryst., modification of grain boundaries by exposure to F_2 and O_2 2−9402
Si, polycrystalline, carrier transport and recombination processes at grain boundaries under optical illumination 2−20725
Si, polycrystalline, comparison of electrical conduction model with experiment 2−1152
Si, polycrystalline, model for conduction using grain boundary mechanisms 2−5529
Si, polycrystalline, potential barrier form. at grain boundaries following anneal 2−20073
Si, polycrystalline, solar cells, grain size dependence of photovoltaic props. 2−18489
Si, polycrystalline, solar cell, effect of grain boundaries, review 2−23637
Si, polycrystalline, X-ray tropography and photoresponse of grain boundaries, solar cell appls. 2−23625
Si polycrystalline in MIS devices, grain boundary effects, capacitance, cond. 2−14722
Si polycrystalline solar cell performance, effect of grain boundaries, energy-gap narrowing, trap-assisted recombination 2−23493
Si, refined metallurgical, single crystal and polycrystalline solar cells, AM1 efficiency study 2−12857
Si resistors, polycrystalline, electrical characteristics rel. to thermal treatment *(Russian)* 2−5370
Si semicrystalline Schottky diode, quantitative model of grain boundaries influence on junctions space charge 2−20233
Si solar cells, grain boundary hydrogenation and impurity gettering of crystalline grains *(Japanese)* 2−4357
Si solar cells, polycrystalline, p^+-n-n^+ structure, low cost development 2−12898
Si solar cells bicrystalline, scanning spectral response measurements for process optimisation 2−12904
Si solar cells columnar, diffusion parameters optimisation using two-step diffusion of phosphorus 2−12900
Si solar cells crystalline, non-single, grain boundaries electrical props. 2−12907
Si solar cells polycrystalline effects of special processing on diffusion lengths 2−12903
Si:H, microcryst. plasma deposited coating, elec. cond. and optical absorpt. 2−24922
Si:Li polycrystalline solar cells, effect of diffusion on grain boundary transport and minority carrier recombination 2−23622
n-$Si_{63.5}Ge_{36.5}$, thermal cond. and thermoelec. conversion, phonon-grain boundary scatt. effect 2−20112
ZnO films prep. by oxidation of diethyl zinc 2−14640

grain boundary diffusion *see diffusion in solids*

grammars
see also context-free grammars
continuous speech recognition by confidence islands *(French)* 2−2306
implementation of grammatical automata in computer interpreters *(Russian)* 2−13535
speech understanding system, lexion 2−10678
undirected graphs, colour families 2−24133

gramophones
automatic, control unit description *(German)* 2−11284
cartridge alignment, two sources of distortion and wear involved in the use of pivoted tone arms 2−3020
Mitsubishi X-10 Interplay System, vertical music centre 2−11296
precision, by Dual, design and characts. *(German)* 2−11277
record player drive mechanism, dynam model 2−4392
record player turntables, technology *(Spanish)* 2−16720
remote control unit, IR, 15-channel *(German)* 2−11283
scratch filter, reduces surface noise picked up by record playing equipment 2−14204
share gramaphone pickup ranges, new diamond cut *(German)* 2−16725
sliding friction between stylus and record groove, determination 2−26661
stereophonic disc recording distortion, using vertical modulation 2−26692

gramophones continued
turntable rotation calibration, using crystal controlled stroboscope 2−22398
Si Hall-effect power ICs for brushless motors 2−20386
granular materials
No entries
granular metallic thin films *see discontinuous metallic thin films*
graph colouring
block designs, complexity of deciding isomorphism 2−4864
chromatic index critical graphs 2−24170
chromatic index critical graphs construction 2−341
chromatic numbers of hypergraphs and coverings of graphs 2−13597
circular arc, $O(n^2)$ algorithm 2−4837
computer and manual methods for finding colouring parameters of complete graph 2−4828
construction of class 2 graphs with maximum vertex degree 3 2−19196
cubic graphs defined by chromatic number 2−19195
dense colour families 2−19235
edge colourings, generalised good and equitable 2−13592
equiarboreal graphs 2−19171
finite density 2−19246
hamiltonian groups are color-graph-hamiltonian 2−345
nonexistence of seven-dimensional tangential 2-blocks 2−8593
on the arc-chromatic number of a digraph 2−326
on the edge-coloring problem for a class of 4-regular maps 2−13594
RAM testing for pattern sensitive faults, graph model 2−19665
road-colouring problem 2−4849
s-chromatic graph, Hajos conjecture 2−19168
suresum existence 2−19174
graph theory
see also directed graphs; graph colouring; trees (mathematics)
accretion centres, generalisation of branch weight centroids 2−4866
algorithm for graph alterations 2−19240
analogue circuitry testability analysis, with aid of computer 2−19485
arbitrary graph reconstruction from some subset of its distance matrix rows and columns *(Russian)* 2−4857
asymptotic connectivity of labelled regular graphs 2−4871
asymptotic distribution of short cycles in random regular graphs 2−4872
balancing signed graphs 2−24173
binary geometry characterisation by double elimination axiom 2−331
bond graph theory, terminology and appls. *(Japanese)* 2−13589
Boolean programming and clique number 2−19254
characterisation of the rotation sequence of a unique endomorphism of [0,1] *(French)* 2−24138
chromatic numbers of hypergraphs and coverings of graphs 2−13597
circle graphs, finding maximum cliques 2−355
claw-free perfect graphs, minimum covering by cliques and maximum clique 2−24167
co spectral graphs with given antimorphism groups *(German)* 2−19241
communication networks immune to isolated failures 2−2400
complement reducible graphs 2−4865
complementary matching vectors and the uniform matching extension property 2−19165
complete bipartite graph, Hadamard conjecture and circuits of length four 2−8622
complexity of representation of graphs by set systems 2−24175
computational complexity, conf. at Aore, Israel, 1981 2−19243
computer structure partitioning into chips, diagnostic props. 2−9064
connected, locally connected graph is upper embeddable, proof 2−347
connected graphs, minimal Hamiltonian chain algorithm, optimisation problem appl. *(Rumanian)* 2−19175
connected graphs whose maximal subgraphs have at most two orbits, characterisation 2−24169
connected hypergraph size 2−325
connected linear graphs, dual 2−4861
continuity of connected functions 2−13606
covering regions with squares 2−8585
coverings of graphs of homogeneous synchronized automata 2−13559
cubic graphs, constructing full spanning trees 2−8604
cycles through specified vertices of a graph 2−19167
data communication networks design using fuzzy methods *(Slovak)* 2−10852
deadlock-free packet switching networks 2−2401
decision feedback data transmission systems, analysis 2−10877
decomposition of a graph into stars 2−13560
decompositions of complete graphs into isomorphic cubes 2−19197
dual simplex algorithm for finding all shortest paths 2−19224
electric power system reliability, evaluated using graph theory *(Slovenian)* 2−12140
electrical measurements of graph complexity 2−13604
electrohydraulic servovalve modelling *(French)* 2−7959
embedding cost 2−19244
error correction codes construction 2−15829
even circuits in planar graphs 2−19200
expected eigenvalue distribution of a large regular graph 2−8624
finite checkability for integer rounding properties in combinatorial programming problems 2−24203
generalisation from graph theory to hypergraph theory 2−24179
generalised Petersen graphs, Hamiltonian cycles 2−328
graph enumerating polynomials, reconstruction theorems 2−310
graph partition for asynchronous sequential circuit CAD 2−5186
graph which is edge transitive but not arc transitive 2−346
graph-theoretic algorithms implementation on computer 2−24184
graphical method for estimating the parameters of a truncated normal distribution 2−117
groups, graphical regular representation 2−8635
hamiltonian decomposition of lexicographic product 2−19194
hamiltonian graphs, max. unique 2−13599
hamiltonian line graphs 2−13598
hamiltonicity and combinatorial polyhedra 2−19198
Hamming theorem 2−13580
hypergraph theory, extremal problem 2−8612
implementation of grammatical automata in computer interpreters *(Russian)* 2−13535
incidence structures whose planes are nets 2−24153
induced graphs of strongly regular graphs 2−19157
inverse positive matrices, sign pattern characterisation 2−8390
k-nucleus 2−353
lambda complete multigraphs 2−13595
largest cliques in graph, upper bound on size 2−342
graph theory continued
M-matrices LU factorisation 2−19221
matching and skew-symmetric quadratic forms 2−13536
matching forests, optimum, general weights 2−19217
matching forests, optimum, polyhedra facets 2−19218
matching forests, optimum, special weights 2−19216
matching polynomial theory of graphs 2−339
matchings and walks in graphs 2−13596
matroids, critical problem, constructive approach 2−24146
matroids and multicommodity flows 2−24160
maximum bipartite matching via fast matrix multiplication, deterministic and probabilistic algorithms 2−8708
maximum degree and fractional matchings in uniform hypergraphs 2−19170
maximum flow in (s,t) planar networks 2−19184
maximum matchings rank 2−19219
maximum weighted stable set *(French)* 2−4876
mazes: search games on unknown networks 2−19116
minimal graphs 2−19238
minimal trivalent cycle permutation graph with girth nine 2−8600
minimum spanning tree with normal variates as weights 2−394
multicritical optimisation, graphical methods *(Czech)* 2−4900
multigraphs, maximum matchings 2−4863
multimachine networks, subsynchronous reson., transient characts. modelling *(French)* 2−7472
multimachine power systems, transient characteristics of subsynchronous resonance *(French)* 2−12130
nearly balanced incomplete block designs 2−4854
non-Hamiltonian graphs, r-regular r-connected graphs 2−4851
non-Hamiltonian simple 3-polytopes whose faces are all 5-gons or 7-gons 2−8345
non-separating induced cycles in graphs 2−327
on strongly regular self-complementary graphs 2−349
on the computational complexity of centers locating in a graph 2−4826
on vertex symmetric digraphs 2−8595
Optimal constructions of event-node networks 2−4878
outerplanar graph subgraph ismorphism 2−19237
parameter systems partition theorems 2−8596
partitioning trees: matching/, domination/, and maximum diameter/ 2−320
partitive hypergraphs 2−4858
path and cycle decompositions of graphs 2−348
pattern recognition isomorphism and homomorphism 2−13539
Petri nets analysis, macroplace *(French)* 2−24185
piecewise linear functions on tetrahedra, graph theory appls. *(French)* 2−361
planar graphs characterisation 2−4853
planarity, Kuratowski's theorem 2−13590
planarity criterion for 3-connected graphs 2−13593
polyhedral, isomorphism 2−13603
polynomial time algorithm for finding the absolute center of a network 2−19222
postman polyhedron adjacency 2−4841
primeness, new concept 2−356
primitive permutation groups and a characterization of the odd graphs 2−323
probabilistic anal. *(Italian)* 2−13618
probabilistic method in graph theory 2−19202
projective plane Kuratowski theorem 2−13591
properties of graphs, conjecture of Erdos and Fajtlowicz proven 2−24168
pseudosimilar vertices in a graph 2−343
ptolemaic graphs characterisation 2−13600
pursuit on a cyclic graph−the symmetric stochastic case 2−13425
random flights on regular polytopes 2−4840
random graph factors 2−13519
reconstruction conjecture 2−8598
regular graphs with excess one 2−24165
relational databases, join graphs and acyclic database schemes 2−363
restricted Ramsey graphs existence, proof using partite construction 2−19173
routing table updating, relational Petrio net model for reduced computational complexity 2−21635
shortest paths updating 2−358
spanning trees number optimisation 2−330
Sperner's lemma appl. to matroids 2−19162
stable set polyhedra for $K_{1,3}$-free graphs 2−19199
Steinhaus graphs, complements of 2−24166
stochastic model of self-assembly of graphs with cycles, loops, multiple edges 2−19229
substitution operations and dynamics of collateral-hierarchical graphs 2−13500
sums of vectors and Turan's problem for 3-graphs 2−24147
superconcentrators, linear-sized, explicit constructions 2−322
teaching programme *(Russian)* 2−13534
ten-point graph counting by partition 2−344
through-nodes minimisation in computer networks 2−16171
token game playing in an algebra 2−24067
travelling, minimum rectilinear distance paths finding, barriers' presence 2−357
travelling salesman shortest complete cycle 2−4877
undirected for LVMP relaxation anal. 2−19252
undirected graph parallel algorithms computational complexity 2−4881
undirected graphs, colour families 2−24133
undirected graphs, existence of Hamiltonian circuits 2−19201
undirected planar, minimum s-t cut 2−19245
unidigraphic and unigraphic integer-pair sequences, characterisation 2−4859
uniform hypergraphs, asymptotic evaluation of number of cliques *(French)* 2−4855
universal caterpillars 2−19203
unresolved conjecture on nonmaximal planar graphical sequences 2−8599
unsolved problems *(German)* 2−19242
vertex cutsets of graph algorithm 2−26162
vertex minimal planar cyclic graphs 2−359
walks number in graph 2−24183
whitney connectivity of matroids 2−4838
wirability and placement algorithms for VLSI 2−20358
Zarankiewicz theorem 2−13581

graphic equipment, computer *see computer graphic equipment*
graphics, computer *see computer graphics*
graphs
see also Bode diagrams; nomograms
concentric neutral cables, cathodic protection systems, drawings and graphs 2−27519
graphical design/ of input filter/ for solid state AC relay/ 2−996
procedure for pooling data by the analysis of means 2−8281
rectangular matrices, graph theoretic methods for qualitative anal. 2−8335
waste heat gas conditions estimation 2−7707
gratings (diffraction) *see diffraction gratings*
gratings (optical) *see diffraction gratings*
gratings (spectra) *see diffraction gratings*
gravimeters
see also geodesy
mechanical design, realisation of prototypes 2−17554
gravimetric instruments *see gravimeters*
gravimetry *see density measurement; weighing*
gravitational radiation *see gravitational waves*
gravitational waves
detection experiments, Frascati antenna *(Italian)* 2−3117
detector, tunnel diode oscillators, stabilisation using supercond. cavities 2−19585
gravity meters *see gravimeters*
gravity waves
atmosphere with anisotropic conductivity, large-scale perturbations propag. 2−21103
Green's function methods
see also CPA calculations
antenna theory, conducting half-sheet, dyadic Green's function, appl. to calc. of input impedances of monopole and notch antennas 2−2186
coupled microstrip transmission lines, normal mode parameters calc., Green's function appl. 2−26029
dynatron oscillator, negative resistance oscillatory cct. anal. 2−756
EM field theory Green's functions, eigenfunction expansions, equiv. layers of surface charge, current sheet and polarisation 2−2072
EM scattering theory for SAR imaging ocean surface appl. 2−16508
EM wave propag. in random medium, mean dyadic Green's function for two layers 2−25929
EM wave propagation in optically active and magnetoelec. media of arbitrary geometry 2−25928
EM wave scatt. by inhomogeneous fixed obstacles, theoretical study 2−2107
finite length dipoles above stratified planar structures for medical therapy and diagnostics 2−21221
Fredholm integral eqn. of second kind, iterated projection soln. 2−8778
linear induction motor, field calc. by integral eqn. 2−2078
MIM structures, resonant broadening of trap assisted tunnelling 2−14733
planar microwave circuits with impedance matrix, computer anal. 2−19886
semiconductor, laser heated, nonlinear dynamic heat transport, carrier diffusion effect 2−1141
smeared vectorial measurement 2−19307
grinding
CNC, design *(German)* 2−4512
grinding hardened gears with a disc wheel in free rolling 2−4506
Republic Steel Corp. No.5 steel conditioning facility, design and installation 2−4490
semiconductor wafers, precision rotary surface grinder [semiconductor wafer grinder] 2−9540
surface, workpiece dimensions 2−4510
trunnion bearings, protective instrumentation 2−26957
CaS:B, thermolum. phosphor, phys. parameters, operation importance 2−15400
grinding mills *see grinding*
ground electrodes *see earth electrodes*
ground services, aerospace *see ground support systems*
ground support equipment
see also aircraft communication; navigation; telemetering equipment
aircraft laser communications acquisition & tracking flight tests 2−11092
ATE/ground support equipment, bubble technology appl. 2−22706
bit error rate performance of high density tape recorders for image processing 2−12055
communication satellite commercial Earth terminals, history 2−12051
microwave landing systems 2−22707
microwave system for real-time position meas. 2−17132
passenger multiplexing service system for Boeing 767, in-plane and on-ground test equipment 2−12034
satellite TV receive only and digital data terminals, design and manufacturing for high availability 2−12054
TDRSS ground segment implementation 2−11042
ground support systems
see also aircraft communication; navigation; telemetering systems
Air Force Satellite Control Facility, data systems modernisation program 2−11034
Air Force Satellite Control Facility, impact of Space Transportation System 2−12057
Air Force Satellite Control Facility 2−11027
Air Force Sattellite Control Facility 2−12058
aircraft microwave landing systems 2−22707
avionic navigation system board and ground test, based on terrain correlation 2−17478
clock synchronisation technique, for tracking and controlling deep space probes 2−12049
Consolidated Space Operations Center 2−12056
deep space navigation systems and operations, NASA's 1960s to 1980s development 2−22593
DOMSAT terminal, revolution in cost and performance by small aperture terminals 2−12053
ESOC flight dynamics support 2−22588
INTELSAT V Communications System Monitoring network, device independent software and hardware 2−17538
IRAS satellite Operations Control Centre, attitude control subsystem performance verification 2−22710
L-band tracking radar system,, for rocket acquisition and operation *(Japanese)* 2−16494
ground support systems continued
large scale command and control centres, man/machine interface definition 2−17534
microwave landing systems, US Federal Aviation Administration developments 2−22707
NASA's manned spaceflight, real-time computer systems 2−22709
NASA/GSFC ground-based attitude support activities 2−27258
NASDA tracking and control system for geostationary satellites 2−22594
NAVSTAR GPS, future enhanced capabilities 2−22589
RPV data links, design and parameters 2−7407
satellite ground control system for INSAT 2−12052
satellite tracking facilities, orbit determ. accuracy assessment 2−27259
simulated ILS using laser tracker 2−22626
SINTAC program, positioning performances *(French English)* 2−6870
Space Shuttle Orbiter avionics validation, process, meas. and control systems 2−17471
Space Transportation System communications testing and tracking links for first orbital flight 2−12059
spacecraft flight dynamics, conf., Darmstadt, Germany (May 1981) 2−18863
spacecraft-ground laser communications expt. 2−11093
Spaceflight Tracking and Data Network, evolution 2−12050
TDRSS, role in tracking and data acquisition 2−11040
TDRSS ground station software/ADPE 2−12044
Telemetry Computer System at Wallops Flight Center 2−12043
VHF communication link, combined amplitude-phase modulation 2−2726
weapon delivery simulation, with airborne data acquisition and ground-based processing 2−17496
grounded anode amplifiers *see cathode followers*
grounded collector amplifiers *see emitter followers*
grounded plate amplifiers *see cathode followers*
grounding *see earthing*
group theory
see also Lie groups
almost distributive lattices 2−159
binary forms invariants *(French)* 2−8334
boundary problem for group testing 2−4693
Cayley representation, group normaliser 2−13340
co spectral graphs with given antimorphism groups *(German)* 2−19241
codes and designs 2−13349
collineation group, full, of Foulser's flag transitive plane of order 25 2−13347
commutative ring K-groups *(French)* 2−4692
commutator equations in free groups 2−13521
compact groups acting on trees 2−13562
compact uniform space transitive groups 2−8395
congruence-free inverse semigroup associated with a pair of infinite cardinals 2−19212
conjugate Abelian subgroups 2−19233
connected differentiable manifold *(French)* 2−13335
connected groups Hausdorff dual problem 2−13350
continuous and differentiable homology of locally compact groups *(French)* 2−19059
contractive semigroups, stability criteria via maximality procedures 2−8340
counting unrooted planar maps 2−8344
differentiable linearisation *(French)* 2−13336
Dirichlet problem for the Kohn Laplacian on the Heisenberg group. II 2−8418
distributive lattice ordered group lateral completion 2−160
electric field computation with symmetric boundaries appl. 2−2073
embedding group amalgams 2−8339
factor orbit equivalence of compact group extensions 2−4843
factorizable locally-stepped groups *(Russian)* 2−13555
fibred and abstract extensions equivalence and quasi-equivalence *(French)* 2−13332
finite abelian group cohesion 2−13512
finite groups containing a nilpotent Hall subgroup of even order 2−13344
finite groups with large Silov subgroups/ *(Russian)* 2−314
finite solvable groups with supersolvable maximal subgroups 2−8394
finitely generated finite Abelian groups elementary equivalence *(French)* 2−13331
Fourier algebras, harmonic anal. 2−157
Frobenius group theory 2−165
Fuchsia groups, automorphic function, factorisation formula *(Russian)* 2−312
function space multiplier on groups 2−19208
G-manifolds, handlebody decompositions 2−13529
gauge, traceable factor 2−13351
generating coset representatives for permutation groups 2−13329
generators and relations of groups with BN pairs *(French)* 2−24026
genus of group 2−13353
graphical regular representation of groups 2−8635
group divisible structures, appls. of algebraic duality 2−24028
group-theoretic codes for asymmetric channels 2−13348
growth sequences of finite groups V 2−19214
Heisenberg group and R^3, functions positive-definite 2−8347
isotone maps, isomorphisms between semigroups 2−398
large Mathieu groups t-design 2−8342
Lie transformation groups 2−24034
limit theorems of probability theory for compact topological groups 2−4821
linear group L and ε factors *(French)* 2−13333
Magnus embeddings for groups and group rings 2−13570
matrices, radicals of the semigroup of triangular matrices 2−13361
metabelian varieties, laws 2−334
minimally embeddable ring 2−166
minimum-length generator sequence 2−13330
Mittag-Leffler for homotopy pro-groups of movable continua 2−19179
modules projectivity generalisations over Dedekind domain 2−8619
natural Yang-Mills field associated to Weyl group on space-time curve *(French)* 2−19060
nilpotent groups saturation and stability 2−8351
nilpotent semigroup 2−8399
nonlinear contraction semigroup, asymptotic behaviour preservation by backward differencing 2−13346
nonlinear parabolic system circle theorem 2−13576
number theory, role of semigroups 2−13362
on equicontinuous transformation groups 2−8338
on simple graduated Lie algebras 2−8396

group theory continued
on the majorant property in Banach spaces *(French)* 2−13371
operator semigroups and differential equations in Banach space *(Russian)* 2−4708
orbits of algebraic groups and Lie groups 2−13339
p-group theory and recursively presented abelian group 2−8352
permutation representation of groups with Boolean orthogonalities 2−156
Poincare group, existence of strongly invariant star-products *(French)* 2−19061
Poincare series of the U-invariants *(French)* 2−13337
polyominoes counting 2−8343
power automorphisms of finite p-groups 2−4847
primitive permutation groups and a characterization of the odd graphs 2−323
quasiconformal group not isomorphic to a Mobius group 2−24025
rational double points and group representations *(French)* 2−13338
real order-automorphism groups 2−19206
regular Rees matrix semigroups and regular Dubreil-Jacotin semigroups 2−19211
ring centre, class of ideals 2−8349
Schur-Baer property 2−19213
semi-idempotent and semi-strongly continuous measures 2−24033
semigraph monitoring 2−13538
semigroup, antiautomorphism and involutions 2−13354
semigroup problems, results on polyhedra 2−8336
separable locally compact group left regular representation 2−19205
sequenceability of non-Abelian groups of order pq 2−24030
subgroup lattice ranking and convergence 2−19231
subgroup minimality conditions *(Russian)* 2−13554
subordinate semigroups and order properties 2−13352
symmetric local semigroup unique self-adjoint generator 2−24032
symmetry problem treatment by theory of representations of groups, appls. *(German)* 2−8392
topology on regulates of lattice ordered groups 2−13363
uniform distribs., infinite convolutions 2−13470
valued vector spaces, torsion product 2−13572
weight-preserving automorphisms of group algebras, characteristation 2−154
X-ray emission effect on lower atm. electron density 2−24037
zF and locally finite groups 2−24038

Gudden-Pohl effect *see electroluminescence*

guided electromagnetic wave propagation
see also guided light propagation; waveguides
axial co-planar slot and co-axial slot couples *(Russian)* 2−26024
dielectric medium, simultaneous assignment of real and imaginary masses 2−21083
flat, semi-infinite dielec. waveguide, end diffr. of surface EM wave 2−21184
flat dielectric waveguide with corrugated boundary, cross sectional eqns. soln. 2−21183
high-frequency signal propagation and scattering in guiding channels 2−10547
hollow elliptical cylinder surrounded by dissipative medium, propag. charcts. of dominant modes in tunnels 2−21080
ionospheric wave duct excitation mechanism 2−2129
laminated dielectric-loaded waveguides of complex transverse cross-section, dispersion relations for EM waves *(Russian)* 2−26022
layered gyrotropic waveguiding structures, nonreciprocal properties 2−21181
multilayer gyrotropic structures with dissipative losses, Ritz calc. 2−2179
open waveguides with anisotropic dielectrics, EM wave propag. 2−21180
planar dielectric waveguide step discontinuities, scatt. problem for TE and TM modes, variable-bound approach 2−10546
resonance scattering of EM modes, in waveguides with periodic irregularities 2−2180
screened non-symmetrical strip lines, charact. wave decay *(Russian)* 2−26023
troposphere, VHF ducting, modal eqn. roots 2−21100
ultrarelativistic backward-wave tube with anomalous Doppler effect, transient nonlinear theory 2−20028
unbalanced stripline, current distrib. of fund. and higher modes of normal waves using Galerkin's method 2−21182
wave spectrum for ring waveguide in container filled with anisotropic magneto-dielectric *(Russian)* 2−26021
waveguide-dielectric resonator, amplitude-freq. charact. by method of multiple reflections *(Russian)* 2−24664

guided light propagation
see also optical waveguides
atmosphere, Over-the-Horizon optical scatter propag. meas. in marine boundary layer 2−15544
fibre cross coupling, propagating beam theory 2−10009
fibre light propagation, amplification by evanescent wave coupling 2−1734
fibre ring interferometer, phase shift fluctuations between opposite waves 2−20665
fibres, single-mode, birefr., forward-backward transmission, polarisation-sensitive meas. interpretation 2−15325
multimode, 2-variable approach to scattering problem 2−9976
multimode twisted fibres, light propagation, Verdet const. *(Russian)* 2−10033
principles of manufacture of optical fibres and data transmission *(French)* 2−20625
reflection of light waves from uniaxial anisotropic media, longitudinal and polar config. *(Japanese)* 2−15295
resonant coupling phenomena of guided mode with metal surface plasma mode *(Japanese)* 2−15296
scalar wave equation modal solns. for graded index media 2−10510
$LiNbO_3$:Ti asymmetric branching waveguides, optical guided wave propag. charcts. 2−9995

Gunn devices
see also Gunn diodes
transferred electron devices, microwave monolithic elements, two-terminal model characterization 2−24715
transferred-electron logic devices, domain form., fluctuations meas. by optical pulses 2−25179
GaAs FET, short-gate, ballistic transport 2−25250
GaAs transferred electron devices, 100 GHz, computer simulation 2−25180

Gunn devices continued
GaInSb transferred electron logic devices, high-speed switching appls., MSI density *(Japanese)* 2−5210
$In_{0.53}Ga_{0.47}As$-InP FET, short-gate, ballistic transport 2−25250

Gunn diodes
95 GHz Gunn effect oscillator *(Chinese)* 2−24694
100 GHz solid-state devices for communications appls. 2−5364
amplifiers, noise charcts. estimate 2−19880
contact heating of electrons, domain dynamics 2−20224
fine-tuning oscillator circuit, appl. of Gunn diode *(Russian)* 2−24437
frequency multipliers using transferred-electron diodes, experimental investigation 2−9234
maximum/minimum current ratio meas. 2−11573
microwave frequency upconvertor using excited Gunn diode operating in domain suppressing mode 2−14291
modes of operation, approx. analysis 2−20223
operating conditions of Gunn diodes with enriched layers, limited space-charge accumulation mode 2−1330
PLL controlled oscillator, portable caesium standard appl. 2−17142
pulsed microwave signal freq. shifting using Gunn diode in waveguide resonator 2−14292
transferred electron diode frequency converters, exptl. investigation 2−19828
GaAs short Gunn diodes, 100 GHz, computer simulation 2−25180
GaAs, technological review, HF device appl. 2−20074
GaAs X-band Gunn diodes in low-Q cavity, RF charcts. 2−9608
GaAs/AuGeIn Gunn diode ohmic contacts, microstructure, correl. with device performance 2−25076
InP/Ag Gunn diode ohmic contacts, microstructure, correl. with device performance 2−25076

Gunn effect
see also limited space charge accumulation; negative resistance effects
semiconductors at IBM: physics, novel devices, and materials science, review 2−20054
GaAs FET, short-gate, ballistic transport 2−25250
GaAs-GaAlAs heterostructure, Gunn oscillation optically triggered by 1.06 micron radiation 2−9422
$In_{0.53}Ga_{0.47}As$-InP FET, short-gate, ballistic transport 2−25250
$In_{1-x}Ga_xAs_yP_{1-y}$, temp. depend. of transferred electron threshold current 2−9420
Te single crystal, electron transfer effect 2−24938

Gunn effect devices *see Gunn devices*

Gunn oscillators
95 GHz Gunn effect oscillator *(Chinese)* 2−24694
centimetre-wave generator, frequency fluctuation reduction methods 2−19884
fine-tuning oscillator circuit, operating in cm. wavelength band *(Russian)* 2−24437
FM oscillators with nonlinear oscillating cct. *(Bulgarian)* 2−754
frequency synthesizer, J-band, using Gunn VCO to drive GaAs FET amplifier 2−5355
local distribution radio link equipment, MIC techniques, narrowband filters and Gunn oscillators 2−26423
MIC in dielc. image guide, 94 GHz radar appls. 2−6858
microwave mixers, effect of local Gunn oscillator noise on performance 2−5153
operation and appls. for 1 GHz region 2−9230
PLL controlled diode, portable caesium standard appl. 2−17142
self-excited mixer applic., sensitivity 2−24455
self-mixing, low-cost, high-burnout, description 2−24456
GaAs Gunn-effect oscillators used as MM-wave self-excited mixers, noise figure 2−19891
GaAs MM-wave transferred electron oscillators, harmonic operation 2−9222
GaAs wideband tunable mm-wave Gunn oscillator design 2−14297
InP, employing cavity stabilisation and pulsed priming techniques 2−941
InP Gunn oscillators, MM-wave quasi-optical power combiner using open resonators 2−24687
InP Gunn oscillators in V-band 2−755
InP Gunn-effect oscillators used as MM-wave self-excited mixers, noise figure 2−19891
InP high efficiency MM wave transferred electron oscillators fabricated by LPE 2−24696
InP MM-wave dielectric image line self-mixing Gunn oscillator 2−940
InP MM-wave Gunn oscillators, status and trends 2−946
InP MM-wave n^+-n-n^+ transferred electron oscillators, efficient fundamental freq. oscillation 2−9221
InP, MM-wave transferred electron oscillators 2−953
InP pulsed transferred electron oscillator, 60 GHz, high efficiency 2−19868
InP transferred electron oscillators, effect of S doping on mobility 2−24991

guns, plasma *see plasma guns*

gyrators
see also network analysis
floating inductor and frequency-dependent negative resistance properties 2−19786
LF crystal oscillator, using integrated gyrator, temp. compensated 2−25403
RC bandpass filter using floating inductors 2−14208
stable two-port operation at high freqs., computer simulation, resonator appl. 2−13921

gyromagnetic effect
see also magnetic resonance
magnetic tape, gyromagnetic remanence and anisotropy 2−20513
rock, gyromagnetic remanence and anisotropy 2−20513

gyroscopes
see also navigation
cryogenic NMR gyroscope, rotation-sensing device, He isotope appls. 2−16946
fiber-optic laser gyro with easily introduced phase-difference bias 2−20618
fibre gyroscope with nonreciprocally operated fibre-coupled $LiNbO_3$ phase shifter 2−15324
fibre optic rotation sensor appl. 2−22277
fibre-optic gyroscope, all-single-mode, long-term stability 2−1711
fibre-optic gyroscope, closed-loop, low-noise 2−1712
fibre-optic rotation sensor, toward an integrated device, review 2−1730
fibre-optic rotation sensors, unpolarised reciprocal operation 2−1736

gyroscopes continued
gyrocompass maximum scope differential equations model *(Russian)* 2−504
inertial navigation systems, dry tuned gyro, laser gyro and strapdown technology developments 2−12030
interferometers with (3×3) directional couplers, analysis 2−6015
IRAS gyroscopes in-orbit checkout 2−22651
laser gyro, optically biased 2−1983
optical fibre gyro, backscatt. error reduction 2−1735
ring laser, for internal navigation systems 2−20991
ring laser gyro navigator advanced development model, flight test results 2−7388
ring laser gyro testing, using distributive ATE systems 2−22148
space-qualified, noise meas. and anal. 2−7378
strapdown attitude and heading reference system utilizing ring laser gyros 2−7382
strapdown inertial systems, measurement units and compensation of dynamically tuned gyros 2−7383
superconducting gyroscope, cryogenic gas spin-up system 2−20607
haemoglobin *see proteins*
half adders *see adders*
half wave rectification *see rectification*
half wave rectifiers *see rectifiers*
Hall constant *see Hall effect*
Hall effect
amorphous semiconductor, Hall mobility in presence of long range pot. fluctuations 2−1205
introduction and applications *(French)* 2−5717
magnetotransistor, two collector planar, magnetosensitivity, injected carrier drift and diffusion effects 2−9631
needle lift sensor for precision timing control of diesel engines 2−28205
semiconductor film, surface space charge layer 2−1144
semiconductor plates in cross-magnetic field, Van der Pauw's relation's validity for electrical resistivity determ. *(Rumanian)* 2−20052
$AgSbTe_2$, thermoelec. hole spectrum model of transport props. 2−14667
αAg_2Se, oriented thick films, Fermi level position, Hall effect 2−25043
(Al,Ga)As-GaAs heterostruct., electron mobility, background doping effect 2−14676
Al-SiO_2-Si structure, hole mobility and density of states at Si-SiO_2 interface 2−5637
Au-mica-p-Te:Cu film MIS struct., field effect studies 2−20145
α-B, rhomobohedral, elec. cond., thermoelec. power and Hall coeff. 2−24926
$Cd_xHg_{1-x}Te$, resist. and Hall coeff., 4.2 to 30K 2−20082
$Cd_xPb_{1-x}S$ (x=0.0625, 0.15625) superstructural thin film, props. 2−9478
CdS-S coevaporated thin film prep. and cryst. props. 2−19440
CdSe, polycrystalline layers, effect of annealing on elec. props. 2−14654
CdTe undoped p-type annealed in vacuum, electrical and crystalline props. 2−1189
CdTe:Cl crystals, carrier scatt., Hall effect study 2−14651
$CuInTe_2$ single crysts., as-grown elec. props. 2−25032
$FeCr_{2-x}In_xS_4$, electrical props. 100 to 650K *(Russian)* 2−5587
$Ga_{1-x}Al_xAs$, conduction band structure from Hall mobility measurements at high pressures 2−24964
n-$Ga_{1-x}Al_xAs$ epitaxial layers, Hall to drift mobility ratio 2−5559
n-$Ga_{1-x}Al_xAs$ epitaxial layer, intervalley scatt., Hall mobility study 2−9424
n-$Ga_{1-x}Al_xAs$ epitaxial layers, electron mobility 2−9431
$Ga_{1-x}Al_xAs$, MO-CVD growth, quantum well transport structs. 2−5021
$Ga_{1-x}Al_xAs$, photocond. storage obs. at low temp. 2−25583
$Ga_{1-x}Al_xSb$:Te, high field magnetotransport props. under hydrostatic press., direct-indirect band transition 2−5571
GaAs dendritic web, grown by liq. encapsulation, characterisation 2−575
GaAs epitaxial layers, by low pressure MOVPE, using triethylgallium as Ga source 2−4990
n-GaAs, epitaxially grown, p-type buffer layer, evaluation using Hall meas. 2−9429
GaAs multilayer struct., carrier conc. and mobility, rapid determ. method 2−5568
GaAs substrates, Cr, Si, Mn, and Fe distrib. after annealing with and without SiO_2 encapsulant 2−14765
GaAs, VPE layers, implanted and annealed, elec. and optical props. 2−24969
GaAs:Cd^+, ion-doped films, elec. props. 2−14770
GaAs:Cr, photoexcited charge carrier recombination processes *(Russian)* 2−1190
GaAs:Ge(Se), neutron transmutation doping, elec. and physical props. 2−9562
GaAs:Sn,Cu, electrical props. investigation 2−1186
GaAs-GaAlAs heterojunction, localisation and interaction effects in electron gas 2−9481
$Ga_xIn_{1-x}As_yP_{1-y}$ electron Hall mobility calc. with two longitudinal optic phonon model 2−9417
GaSb, electron transport and conduction band struct. 2−24963
GaSb:Te and GaSb:Te,Zn, charge transport characts., 80 to 700K 2−20080
n-Ge, (001) plane, weak field magnetoresist. skewness, galvanomagnetic coeffs. 2−9405
p-Ge, hot carrier population inversion, Hall effect study 2−24941
Ge-Se, glass, doped, elec. transport props. 2−25005
Ge-Te, glass, doped, elec. transport props. 2−25005
GeTe, thermoelec. hole spectrum model of transport props. 2−14667
$Hg_{0.9}Cd_{0.1}Te$, electron freezeout and hopping cond., magnetoresist. and Hall effect meas. 2−1185
p-$Hg_{1-x}Cd_xTe$, electron irrad. and annealed, carrier lifetime and recomb. props. 2−9439
$Hg_{1-x}Cd_xTe$ epitaxial layers, slider LPE growth using Hg press. controlled growth solns. 2−13829
$Hg_{1-x}Mn_xTe$, acceptor-state cond. in mag. fields 2−5594
InAs:N_2^+ ion-implanted amorphous and crystalline film prep., electrical conductivity and Hall mobility 2−5569
n-$InAs_{0.65}P_{0.35}$, transverse magnetoresist., Boltzmann equation calc. 2−14649
$In_{1-x}Ga_xAs_yP_{1-y}$ lattice matched to InP, comp. depend. of mobility, peak vel. and threshold field 2−5570
In_2O_3(-SnO_2) film, transparent conducting, transport and optical props. 2−5597
InP epitaxial film, metalorganic CVD, elec. props. 2−14641
InP, polycrystalline, low temp. growth, elec. props. meas. 2−13810
InP:Co, single cryst. growth and elec. props. 2−4980
Hall effect continued
InP:O, horizontal Bridgman growth, O doping effect, Hall effect meas. 2−9558
InP:S VPE layers, effect of doping on mobility, Hall effect and magnetoresistance meas. 2−24991
InP:Se, ion implanted, pulsed laser annealing 2−14789
p-InSb film, hydrogenated, elec. transport props. 2−5553
InSb:N_2^+ ion-implanted amorphous and crystalline film prep., electrical conductivity and Hall mobility 2−5569
$In_{2-x}Sn_xO_{3-y}$ films, sputter deposited, elec. and optical props., heat treatment effects 2−14660
MnTe, thermoelec. hole spectrum model of transport props. 2−14667
p-$Pb_{1-x}Cd_xTe$ epitaxial film, elec. transport props. 2−5590
$Pb_3Rh_7O_{15}$ thick film resistor, cond. mech. and 1/f noise 2−958
$Pb_2Ru_2O_7$ thick film resistor, cond. mech. and 1/f noise 2−958
$(PbSe)_{1-x}(SnTe)_x$:In solid soln., elec. props. 2−5595
$Pb_{1-x}Sn_xTe$, epitaxial layer, elec. cond. and Hall effect *(Russian)* 2−25045
$Pb_{1-x}Sn_xTe$:Cd crystals and LPE layers, doping and elec. props. 2−25144
PbTe (111) epitaxial thin films, elec. transport props., thermal-cycling induced changes 2−9465
PbTe, diffusion of Cd, effect on elec. props. 2−1209
p-PbTe:Ag epitaxial layers, elec. cond. and Hall coeff. 2−24986
$PtSb_2$:Te, impurity conduction 2−1213
Si (100) MOS inversion layers, transverse and Hall conds., temp. depend. under strong mag. fields 2−14732
Si CVD films, polycryst., elec. props., depend. on grain size and impurity doping conc. 2−14616
Si, carrier density, deformation potential constants, Hall effect anal. 2−14624
n-Si, conventional and neutron doped, piezoresist. and Hall coeff. meas. 2−20065
n-Si crystals, electron scatt. by clusters, Hall effect and magnetoresist. study 2−14631
p-Si, electron irrad., Hall mobility, pot. relief analysis 2−5536
Si, extrinsic, elec. parameter calc. using FORTRAN program, Hall effect, dopant states and carrier mobility 2−1151
Si, hole mobility and Hall coeff. factor, temp. depend. 2−24925
Si inversion layer in strong mag. field, temp. depend. Hall cond., mobility edge model 2−20146
Si, ion implanted, annealing in plasma of pulsed gas discharge 2−20212
Si, ion implanted, pulsed electron beam apparatus and annealing 2−9408
Si, MBE, background and dopant impurities in film and film-substrate transition region, elec. transport 2−1153
Si MOSFET, quantised Hall resist. meas. at liq. ^3He temps. 2−25242
n-Si, multivalley semicond., transverse field stratification, elec. field distrib. and current meas. *(Russian)* 2−14634
Si, neutron irradiated, carrier scatt. by defect clusters 2−14625
Si wafer, Czochralski grown, photolum. characteris. of thermally-induced defects 2−9412
Si:As, ion implanted, polycrystn. film, laser irrad., elec. props. grain size, annealing effect 2−9404
Si:Cr, energy levels and degeneracy ratios determ. from Hall coeffs. 2−14627
Si:Ga, high dose implanted, thermal annealing and elec. activation 2−1297
Si:H, amorphous, Hall mobility in presence of long range pot. fluctuations 2−1205
Si:P, doping using P_2O_5-SiO_2 glass as dopant source, validity of etch rate determ. 2−9556
Si:P film, polycryst., elec. characts., O content effect 2−1148
Si-Al_2O_3, charge carrier props. in p-type layers of SOS 2−6087
Si-Ge alloys, Si rich, for IR detectors, elec. and optical meas. 2−10117
$Si_{1-x}Ge_x$ solid soln., hole Hall mobility 2−25044
SnO_2(-In_2O_3) film, transparent conducting, transport and optical props. 2−5597
SnOx, amorphous spray coating, elec. and optical props. 2−20104
p-SnTe epitaxial thin film, elec. transport, nonstoichiometry effect 2−5598
$TlBiSe_2$-PbSe, phase diagram, electrophysical props. 2−5585
ZnO, high degeneracy acceptor levels, space charge capacitance and Hall effect data 2−1180
ZnO, single crystals, electrical properties and non-stoichiometry 2−1183
Zn_3P_2, single-crystal growth using closed-tube horizontal vapour transport system, bulk elec. props. 2−19403
p-ZnSb, carrier kinetics in mixed scatt. region, cond., thermoelec. power, and Hall effect tensors 2−9475
ZnSe crystals, as-grown from melt, growth and elec. props. 2−20079
$ZnSnAs_2$, p-type, theoretical evidence for impurity cond., explanation of Hall coeff. temp. depend. 2−1211
Hall effect devices
active power meas. by E 535 W-M3 recorder equipped with Hall multiplier *(Rumanian)* 2−17083
electromagnetic solid state switch based on Hall effect and mag. cct. 2−19915
introduction and applications *(French)* 2−5717
Kopsel permeameter, improvements using Hall devices *(Chinese)* 2−22363
microwave power detectors, volt-watt sensitivity, theoretical expression determination 2−22282
monolithic, combination of Hall cell and differential amplifier in IC package 2−20276
semiconductor-loaded waveguide four-port junction based on Hall effect, theory operation 2−24681
Si Hall-effect power ICs for brushless motors 2−20386
Hall effect transducers
new method and device for investigating magnetic fields in miniature electric machines 2−3137
planar transducer, shielded one-sided, comparison with magnetoresistive head 2−15180
probe, sinusoidal-current stabiliser 2−3120
process quantity monitoring and control *(German)* 2−3113
semiconductor magnetic sensors, development *(Japanese)* 2−11446
sensing capabilities, principles and applns. 2−16923
GaAs Hall devices, highly linear, fabricated by ion implantation 2−20221
Hall generators *see Hall effect devices*
Hamidashi effect *see ferroelectricity*
hand hoists *see hoists*
hand tools
automatic-light screwdriver using fibre optics *(French)* 2−15319
crimping tools for cable terminations and connections 2−18935

hand tools continued
power tools, hand held, vibration meas. methods 2−11619
powered tools for underground mines, development trends 2−28319
transistor lead-forming tool, used to improve solder joints in PCBs 2−25207
handling, materials *see materials handling*
handsets (telephone) *see telephone sets*
hard soldering *see brazing*
hardening
see also radiation hardening; solid solution hardening; surface hardening; work hardening
laser processing of materials 2−25890
hardness
see also abrasion; hardness testing
plastics, fillers props. influence 2−5036
Al-Mg-Si conductor alloys, elec. cond. and mech. props. 2−610
$Bi_2Te_{2.88}Se_{0.12}$, extruded, elec. props. and struct. 2−20118
GaAs:Ge(Se), neutron transmutation doping, elec. and physical props. 2−9562
Ge-Sa-As(Sb)(Bi) vitreous, influence of bond metallisation on elec. cond. 2−5576
hardness testing
thermal contact resistance used as a hardness tester 2−7229
US hardness meter, portable, for steel testing 2−3177
harmonic analysis
see also waveform analysis
50 Hz AC power line harmonic anal. using NOWA harmonic analyser 2−27585
brushless exciter with bridge rectifier, resultant magnetizing force of multiphase winding for a flow of nonsinusoidal current 2−18189
calculation of the harmonic distribution in supply networks *(German)* 2−27435
complex nonlinear circuits periodic processes anal. using differential harmonic method 2−27890
controlled rectifier driven asynchronous railway traction motors, computer aided determination of harmonics *(German)* 2−4424
correcting feedback in autonomous voltage inverters *(Russian)* 2−4277
DC thyristor electric drives, steady-state operating regimes mathematical description using harmonic components and Laplace finite transform 2−28149
DWR synchronous generator EMF variation determination 2−4102
equivalent circuit model performance with PWM invertor waveforms 2−18246
infra LF periodic signals, harmonic analyzer design *(Russian)* 2−22211
infra-LF balanced harmonic analyzers for periodic signals *(Russian)* 2−22212
machine windings, harmonic identification of general type polyphase structures-geometrical model in presence of polyphase current system *(Italian)* 2−27865
machine windings harmonic identification of general type polyphase structures-geometrical model construction *(Italian)* 2−27864
microstrip lines, on transversely magnetised ferrite substrate, approx. of harmonic functions 2−14281
network analysis, PILOTY program, appl. to filters *(French)* 2−19505
nonlinear networks, Manley-Rowe, relations, Kontorovitch's generalisation 2−24373
ocean tides, harmonic anal. of intermittent acoustic obs. 2−17565
power plant control, adaptive nonlinear compensators 2−3937
power systems current source DC link convertor phase effects anal. 2−27464
power systems Fourier anal. using HP pocket calculator *(German)* 2−22775
real-time electric current spectrum analyzer 2−11406
RMS-to-DC convertors, AC ripple and DC error calc. 2−14270
system optimisation, using harmonic analyser and correlator *(Rumanian)* 2−26070
harmonic generation
see also optical harmonic generation
free electron laser harmonic generation, quasiperiodic wiggler theory 2−20779
high frequency harmonic generation associated with AC/DC conversion schemes *(Portuguese)* 2−27459
HVDC power convertor with twelve pulses and equidistant firing system 2−27465
ILF frequency generator analysis *(Bulgarian)* 2−758
near-MM wave range, harmonic generation by thin MOS-structures 2−24718
relativistic electron beams, EM waves steady-state parametric excitation 2−2094
harmonic oscillators
anharmonic oscillators, vibrational exchange cycles 2−6141
quantum signal detection by mismatched receiver 2−2321
Weber parabolic cylinder functions, numerical algorithm 2−8671
harmonic oscillators (circuits)
frequency synchronisation using external resonator 2−14005
high-power thyristor magnetic high-frequency harmonic generator 2−24439
ILF frequency generator analysis *(Bulgarian)* 2−758
near-MM wave range, harmonic generation by thin MOS-structures 2−24718
quartz crystals, general introduction and equiv. cct. *(French)* 2−25401
RC oscillators, thermal compensation of frequency instability 2−14006
harmonics
see also harmonic analysis
10 kV rural supply networks, high speed protection *(Russian)* 2−3783
AC machine analysis with unbalanced terminal constraints by d-q harmonic balance 2−12591
aC power-loss measurements in solid dielectric materials at industrial frequency 2−7189
analysis of a voltage converter, with allowance for a finite input capacitance value *(Russian)* 2−28019
asymmetrically connected, squirrel-cage induction motor rotating field theory 2−4207
Buenos Aires Province interconnected power system frequency control *(Spanish)* 2−22791
calculation of currents and voltages for multiphase synchronous generators with bridge rectifier load 2−18188
calculation of the harmonic distribution in supply networks *(German)* 2−27435
harmonics continued
chopper ccts. providing two quadrant operation of separately excited DC motor with forward braking, comparative study 2−7921
circuit breaker failures due to distribution harmonic currents, measures 2−28039
coefficients of the magnetic field in the air gap of an electric motor with bilateral denting *(Russian)* 2−7798
current and voltage harmonics in HVDC transmission *(German)* 2−27463
cycloconverter fed variable frequency operation of induction motor 2−4174
cycloconvertor driven, induction motor performance anal. 2−4171
cycloconvertor driven, induction motor performance anal. 2−4172
cycloconvertors, 3-phase, triple-frequency, commutated at zero crossing piont of load current, characts. 2−7917
distribution lines, harmonic distortion factor, calc. and anal. 2−16654
electric drive primary current-harmonics amplitude and phase control *(Russian)* 2−18630
experimental study of harmonic inductances of saturated induction machines *(Russian)* 2−27918
Finnish 400/110 kV power grid disturbances over last decade *(Finnish)* 2−27467
fluorescent lamps flicker phenomena caused by audio frequency remote control pulses *(German)* 2−18742
grounding of generators connected to industrial plant distribution buses 2−17764
higher current and voltage harmonics/ in operating regimes/ of steel-melting arc furnaces 2−4492
HVDC lines, harmonic suppression and improved mechanical props. by new conductor design *(German)* 2−3739
HVDC transmission systems, DC filter ccts. performance and rating 2−7526
impact of slot harmonics on losses of high-speed permanent magnet machines with a magnet retaining ring 2−23272
induction motor harmonics differentiation model 2−4204
induction motor PWM waveform performance anal. 2−4165
induction motors current invertor supplied, high frequency harmonic effects on losses and slip *(Croatian)* 2−18242
induction motors invertor fed, losses due to harmonics *(German)* 2−4115
intermodulation in terms of harmonic output of a non-linearity 2−15732
invertor driven induction motor, performance anal. 2−4167
invertor driven induction motor, PWM performance anal. 2−4166
invertor driven induction motor, PWM performance anal. 2−4168
invertor driven induction motor, PWM performance anal. 2−4169
invertor driven induction motor, PWM performance anal. 2−4170
invertor driven squirrel-cage induction motor, PWM performance anal. 2−4173
invertor fed synchronous motor, performance anal. 2−18205
load var fluctuation predictive compensation based on linear prediction filter theory 2−7491
LV consumers electricity supply voltage characts., influence of domestic and other appliances 2−27411
method of determining the energy losses/ due to current harmonics/ *(Russian)* 2−3731
microwave oscillator frequency, stabilisation by subharmonic driving frequency, harmonic equivalent circuit appl. *(Croatian)* 2−24431
multi-machine networks, mathematical model for static stability *(German)* 2−27370
negative-sequence voltages meas. independ. of harmonics using space phasors *(German)* 2−3803
nonlinear network, computer simulation 2−24374
oscillating torques of inverter fed asynchronous motor with pulsating intermediate circuit current *(German)* 2−27903
overvoltages and overcurrents due to power factor correction capacitors when natural frequency equals mains supply harmonic, calc. method *(Italian)* 2−7481
permissible harmonic voltage levels in low voltage and medium voltage networks *(German)* 2−22897
power electronic convertors, numerical method for determ. of harmonics of line current/voltage waveforms of supply mains 2−18354
power supply distortion effects compensation and restrictions *(Polish)* 2−22851
power system, harmonic linearisation fundamentals for computing stationary oscillation states *(German)* 2−27369
power system fault detection by digital techniques 2−22343
power system harmonics limits, Australian Standard AS 2279 (1979) 2−12757
power system networks, harmonic distortion sources 2−12143
power transformers harmonic impedance meas. method 2−23334
power voltage and current, triac AC shunt resistance 2−18330
reactive power automatic compensation equipment for steel mill drive instabilities 2−18626
shaded pole motor, math. model 2−4135
single phase transformers, inrush currents calc. 2−12697
squirrel-cage induction motors, basic voltage and torque eqns., allowing for all MMF and permeance harmonics 2−27902
squirrel-cage motor rotor bar currents calc. 2−4201
steam turbo sets shaft line subharmonic flexural oscillations calc. and influencing parameters 2−27694
synchronous motor, surface loss reduction in grooved solid poles 2−7823
voltage disturbances in electrical networks *(Hungarian)* 2−22870
commutator motor, influence of RFI on machine performance, obs. 2−4217
hazards and race conditions
memory ICs, margin of reliability test employing operating terminals 2−5227
pulse mode sequential circuits, classification by circuit form, and stability, race and hazard observations 2−14048
VLSI design methodology for synchronous logic race and hazard elimination 2−19649
headphones
see also earphones
guitar headphone amplifier, using LM386 IC 2−21993
hearing damage due to noise transmitted by operator headsets 2−17440
Sony lightweight headphone series, high-quality audio reproduction 2−6978
Sony MDR3 featherlight, using Sm-Co magnet *(German)* 2−16726
sound perspective correction network using LM377 IC 2−6962
supra-aural audiometric headsets using MX-41/AR and 51 earphone cushions, noise attenuation characts. 2−16710

health effects of radiation *see biological effects of radiation*
health hazards
see also biological effects of radiation
burns from electric arc blast 2−8241
comparative risks of electricity generating fuel systems in United Kingdom 2−12323
electrical hazards and monitoring during biomedical diagnosis 2−27109
electrical hazards incurred when using anti-static anaesthetic hose, patient protection 2−17427
electronic safety systems for use in hazardous environments, technical progress and established practices and standards 2−18939
ELF EM fields and health risks from HV transmission lines 2−17428
EM radiation, HI 3001 broadband survey meter 2−26051
EM radiation, possible dangers, acceptable levels, biological effects *(French)* 2−22575
EM wave safety *(Polish)* 2−3515
hospitals, the risk of elec. shocks, review 2−3523
laser diodes safety aspects, hazard identification 2−11975
LWR accidents, consequences and effects *(Dutch)* 2−7649
medical equipment use, clinical engineering assessment of human factor hazards 2−17444
microwave and radio-frequency exposure limits standardisation, world's development trends 2−17425
microwave radiation from solar power satellites, biological effects and exposure standards 2−27208
microwaves, long-term exposure to radiation, review of possible hazards and effects 2−17438
nuclear fuel-reprocessing plants, pot. safety-related incidents 2−8216
nuclear industry, public and occupational hazards, risk management, equity aspects 2−13230
nuclear power plants during start-up, radiological meas. 2−7347
nuclear power stations, comparison with other hazards 2−23018
photovoltaic energy technologies: examining public and occupational health risks 2−12876
power frequency fields, biological effects, literature survey including work in West and USSR 2−12221
power overhead line electric field effects on humans and animals *(Dutch)* 2−22573
power plant coal fly ash disposal environmental impact assessment 2−12424
research department compliance with radiation protection and monitoring regulations *(German)* 2−27216
respiratory hazard protection in a radioactive environment 2−27629
RF surgery equipment, appls. and technical scope, safety problems *(German)* 2−17394
RF surgery equipment, review of hazards 2−11950
semiconductor laser diodes and appls., handbook 2−8142
solar power satellite transmitting energy to earth via 2.45 GHz continuous wave microwaves, effects on honey bee colony 2−27834
solar power satellites, health and environmental risk evaluation 2−27825
soundproofing materials used in recording studios 2−26680
Spacelab, biological and medical expts. *(Italian)* 2−17429
technology-induced risk assessment 2−18955
Three Mile Island nuclear station recovery−progress report, USA 2−12358
working conditions, planning and programming of protection at work *(Croatian)* 2−18957
U mines and mills occupational radiological safety 2−17437
hearing
see also ear; hearing aids; speech
amplifier non-linear distortion measurements, rel. to audible effects 2−3018
audiometers, bone-conduction, calibration survey 2−17339
bone-conduction receiver calibration over extended freq. range using artificial mastoid instrument 2−17348
brainstem auditory evoked pots., Bessel filtering 2−3489
brainstem auditory evoked pots., technical considerations, neonatal neurologic diagnosis appl. 2−3487
brainstem auditory evoked responses, fast meas. method using maximum length sequences 2−17391
brainstem evoked potential, appl. of Wiener filtering 2−11925
brainstem evoked response audiometry, technical aspects of stimulation, recording and signal processing 2−11934
brainstem response audiometry, ear-canal rel. to mastoid electrode placement 2−11935
brainstem response audiometry, improved recording technique using a meatal electrode 2−11936
brainstem response audiometry, normative clinical data 2−11940
brainstem response audiometry, problems in analogue filtering 2−11939
brainstem response audiometry, waveform variation anal., FFT and inverse FFT appl. 2−11938
brainstem responses, analogue and digital filtering 2−3501
damage due to noise transmitted by operator headsets 2−17440
evoked response, wave I identification using an atraumatic ear canal electrode 2−11937
loudness and quality of stereophonic loudspeakers, correlation 2−22015
new loudness indicator for TV broadcasting use 2−11144
psychoacoustics and sound quality evaluation for audio equipment *(Japanese)* 2−11281
stereophonic reproduction, auditory sensation *(Japanese)* 2−3002
stereophonic signals optimum reproduction, by means of loudspeakers and headsets *(German)* 2−2995
timbre perception in sound reproduction, evaluation *(Japanese)* 2−11295
hearing aids
cochlear implant, multiple-electrode array, current distrib. meas. 2−3495
cochlear implant prostheses: strategies and progress 2−17418
cochlear prosthesis thin-film multielectrode arrays 2−22570
computerised method for fitting 2−3513
conversation aid, low-cost amplifier for use with high-impedance crystal microphone and stereo phones 2−741
telephone handset coupling 2−26312
heart *see cardiology*
heat capacity *see specific heat*
heat conduction
see also thermal conductivity
Cauchy solution of heat equation *(Russian)* 2−13792
effects of free convection in the internal cavity in startup heating of the welded rotor in a high-power steam turbine 2−23104
IC chip heat spreader embedded in thermal grease, heat conduction to module encapsulant 2−96
heat conduction continued
partial differential equations boundary-value problems 2−19375
semiconductor ρ-n junction, heat propag. processes investig. using internal heating of IC *(Russian)* 2−9699
superconducting magnet system, quench propag., coil and protection design, computer program 2−9949
underground power cables, backfill materials soil treatment, heat flow analysis 2−22929
heat convection *see convection*
heat dissipation *see cooling*
heat engines
coal-fired stationary Stirling engine development 2−12435
control systems for United Stirling 4-95 engine in solar application 2−12440
Fluidine water pumps characts. 2−12444
free piston Stirling engine development 2−12437
hybrid Stirling engine 2−12438
jet stream fluidine model 2−12443
marine Stirling engine dummy rhombic drive 2−12441
multifuel stationary Stirling engine development 2−12436
OTEC pilot plant heat engine system design, construction and performance 2−18077
pyrolectric energy converter employing regeneration 2−23652
Rankine cycle augmented light-gas-flow turbine studies 2−18778
scaling rules for Stirling engines 2−12447
simple Stirling engine for classroom use 2−12442
solar line-focus collector, analytical dynamic modelling, control appl. 2−23441
stationary Stirling engine development 2−12434
Stirling air engine performance anal. 2−12439
Stirling engine performance anal., hyperbolic partial differential equations model 2−12449
Stirling engine with interleaved fins, heat transfer coeffs. calc. 2−12446
Stirling engines adiabatic second order analysis thermodynamic model 2−12445
Stirling engines performance computer-based anal. 2−12448
Na, thermoelectric conversion using β''-Al_2O_3-Na_2O electrolyte 2−18618
heat exchange *see heat transfer*
heat exchangers
see also cooling towers
acoustic emission monitoring of fossil fuel power plants, critical assessment 2−18003
Alclad-aluminum folded-tube heat exchangers for OTEC power plant 2−7784
ceramic materials, for German solar tower power plant 2−3971
circulation reversal in nuclear power plant superheating channels, boundary investigation 2−17900
contactor efficiency in series ChS electric locomotives *(Russian)* 2−28048
corrosion prevention in steam plant cooling ccts., chemical indices limit values *(Rumanian)* 2−12462
evaporating lens direct lens superheated heat exchangers design and evaluation for geothermal power plants 2−18048
geothermal waters utilisation as primary agent in heat exchangers *(Rumanian)* 2−12515
marine microfouling on Al and Ti heat exchanger surfaces at OTEC facility, Puerto Rico 2−7787
multi-span heat exchanger tubes, tube-support interaction, analytical and expt. studies 2−7660
non-linear potential problems, boundary integral eqn. soln. 2−24270
passive heat pipe photovoltaic receiver 2−18575
pilot plant heat engine system design, construction and performance 2−18077
POF cables, forced cooling system *(Japanese)* 2−17731
scaling detection by US transducers, optimum setting determ. *(Russian)* 2−17608
solar power station, cavity tube receivers design *(German)* 2−18068
heat flow *see heat transfer*
heat insulation *see thermal insulation*
heat losses
see also thermal insulation
11 W solar modules operational characts. and experimental study of disequilibriums 2−12885
225 kV underground power transmission cables, natural and forced cooling, comparative economic benefits *(French)* 2−22918
high efficiency industrial steam turbine, improved design concepts *(Japanese)* 2−27689
HV, cooling by heat-dissipation using heat pipes 2−27497
IR imaging of building heat losses, ASHRAE standard appl. 2−3078
IR surveys of building heat losses, ASHRAE standard update 2−3075
solar cell module structures, comparative study of thermal characts. 2−18503
solar flat plate collectors, heat loss, insulation effect 2−23443
solar panels load losses, analogical study *(Italian)* 2−23439
solar powered thermoelectric generator, efficiency 2−18614
solar thermal-electric systems, receiver optical props. effect 2−23205
steam turbine condensers discharged heat utilisation possibilities and prospects *(Rumanian)* 2−12458
heat measurement *see thermal variables measurement*
heat of adsorption
porous material structure characterisation, adsorption isotherm 2−24340
heat of formation
W halides and oxyhalides, heterogeneous reactions and chemical transport, in incandescent lamps 2−4459
heat of fusion
thermal energy storage materials using latent heat, screening of eutectic mixtures over temp. range 80 to 500°C *(Japanese)* 2−8021
Si, amorphous implanted, phase transitions produced by pulsed laser or electron irrad. 2−25129
heat of mixing
III-V semiconductor material design for electronic devices used under unusual conditions *(Japanese)* 2−5548
heat of wetting *see wetting*
heat pipes
heat sink, heat kicker for cooling of semiconductors *(Japanese)* 2−13290
motor cooling, heat pipe shaft development *(Japanese)* 2−18166
Nuclear Electric Propulsion spacecraft radiators, heat pipes 2−17517
passive heat pipe photovoltaic receiver, heat exchanger 2−18575

heat pipes continued
power cable accessories, cooling method using heat pipe *(Japanese)* 2−17722
probe cooling jacket and sandwich panel 2−3127
solar concentrator cells, passive cooling using Cu heat pipe with water/acetone working fluid 2−18559
space power advanced reactor core heat pipes, development 2−17917
thermal interference between cables and hot pipes at crossing point *(Japanese)* 2−14326
underground power cables, indirect cooling method using heat pipes *(Japanese)* 2−17723
underground power transmission systems, appl. of heat pipe to cooling *(Japanese)* 2−17736
warm air furnace using heat pipe principles, development 2−17950

heat pumps
active solar heating and cooling using heat pump systems 2−13083
air conditioning plant at Riyadh University, Saudi Arabia, appl. 2−8098
asynchronous motor driven, starting current measurement and effects on mains power supplies *(German)* 2−4472
boiler-heat pump combinations for space heating, enthalpy and exergy analyses 2−3915
central heating/cooling system, air-to-water heat pump, home use *(Japanese)* 2−13099
chemical heat pumps and competitive systems, cost effectiveness and energy consumption evaluation 2−13089
combined heat and power generation in power plants for optimised energy utilisation *(Hungarian)* 2−17925
compression, industrial application in drying and concentrating processes, technical and economic factors *(French)* 2−4486
development in UK 2−18777
development of domestic heat pumps, prototype tests 2−4479
domestic space heating, heat pump sizing, cost effectiveness 2−23765
efficiency and reliability improvements 2−13080
electric, cost calc. 2−23768
electrical, course of instruction 2−21
electrical heat pump, basic principles and appls. *(German)* 2−23779
electrical heat pump control using carrier transmission on power lines *(German)* 2−13082
electricity and some new energy sources *(French)* 2−22977
electro-heat pump for residential hot water, application and economy *(German)* 2−28255
energy conservation test facility, data acquisition system 2−22200
FL-85 organic Rankine cycle waste heat recovery system charact. and operation *(Japanese)* 2−27662
gas compression, design and energy balance, for optimum energy consumption *(German)* 2−23791
gas engine fed, for malting drying kilns *(French)* 2−28309
geothermal power appl. to space heating and hot water supply *(French)* 2−4475
hybrid energy system for single family homes 2−18776
industrial waste heat utilisation, lost effectiveness *(German)* 2−27740
industry development trends 2−28254
integrating heat pumps into heating systems 2−13088
multichannel data logger for heat pumps using C90 cassettes 2−26790
organic Rankine cycle power plants for waste heat utilisation *(German)* 2−27671
plaster blocks drying installation using heat pumps *(French)* 2−4558
power stations appl., thermal, hydroelectric and nuclear *(French)* 2−7708
Rankine cycle augmented light-gas-flow turbine studies 2−18778
refrigeration system for Wiehl indoor skating rink *(German)* 2−18784
regional supply concerns supplying low-temperature heat for space heating, economic aspects *(German)* 2−23767
residential space and water heating using off-peak electricity supplied heat pumps 2−23764
retrofitted solar-assisted heat-pump system, performance evaluation in hot/arid climate 2−18779
solar assisted heat pump system, thermal anal. and outline 2−18780
solar energy plant with electrically driven heat pump for room heating and hot water, numerical simulation *(German)* 2−28247
space heating, closed-loop earth coupled water source heat pump, performance 2−8095
standby power generation unit internal combustion engine co-utilisation to drive heat pump plant 2−13085
technical and economic factors in the possible use of gas-engine driven heat pumps for space heating *(German)* 2−23769
templifier heat pump for industrial applications 2−23845
voltage changes caused by starting a heat pump, calc. *(German)* 2−28252
zeolite heat pump and zeolite heat transformer for load management 2−12955
H_2SO_4 chemical heat pumps for industry 2−13090

heat radiation
fusing electrodeposited Sn-Pb coatings on PCs by focused infrared radiation 2−24793
heating coil radiation coeff. calc. *(Croatian)* 2−17161
radiation flow measuring system simulation *(Russian)* 2−3292

heat sinks
adhesive material for attaching heat sink to cap of semiconductor module 2−104
electric device cooling, using Freon in recirculating system 2−8270
heat pipe heat sink, heat kicker for cooling of semiconductors *(Japanese)* 2−13290
HF amplifier, 10 kW, for long-distance communications *(French)* 2−24421
IC, liquid cooled, packaging improvement 2−24000
laser diodes metallisation and heat sink problems, (AlGa)As and InGaAsP 2−6218
semiconductor devices, air cooling method based on porous body 2−25167
stud-mounted diodes mounting to PCBs using heat sink 2−5469
thermal design information for use in design, manuf. and appl. of solid-state relays 2−5411
thermoelectric coolers, two-cascade, temp. and heat treatment effect on parameters *(Russian)* 2−4661
ultimate-heat-sink cross-flow cooling tower and basin model for transient decay heat dissipation 2−23075
voltage regulator, hybrid, series module for 5 V, 50 A DC *(German)* 2−682
GaAs high concentration photovoltaic cells, thermal impedance effects 2−18576

heat systems
see also boilers; heating
domestic solar heater system, control using diode temp. transducers *(Spanish)* 2−13087
EEC solar power plant steam generator control system design and simulation 2−27839
energy-management system with MELCOM 350-50 model A2300 computer *(Japanese)* 2−4474
Hamburg's hot water district heating system, use of heat meters *(German)* 2−27672
improvement of the heating system of studs and flanges of the high pressure cylinder of turbine PT-50-130 2−12478
integrating heat pumps into heating systems 2−13088
microprocessor-based residential heating controller 2−4476
stainless steel tube applications in condensers and feedwater heaters 2−27719
steam turbine automatic control system charact. 2−27726
Super-Phenix steam generator 45 MW model, numerical simulation of operation on non-stationary regime *(French)* 2−27640

heat transfer
see also convection; cooling; heat conduction; heat radiation; thermal diffusivity
air-cooling method for semicond. devices based on Cu porous body 2−25167
boiler spherical combustion chamber digital simulation 2−17935
convective and radiative heat transfer in MHD radiant boilers 2−28130
cooling towers, crossflow, plastics corrugated sheet arrangement for use as heat transfer packing 2−17923
criteria for thermal stabilization of superconducting devices 2−25467
dielectric fluid flowing along annular channel, influence of electric field of heat transfer 2−25893
direct buried cables rating, soil thermal stability meas. appl. 2−3752
electric machines cooling by heat dissipation through heat pipes *(German)* 2−27848
electrical distribution cables processing, numerical model for simulation, heat and mass transfer 2−22924
evaporation-type with natural draught, economic evaluation of internal heat transfer *(German)* 2−27663
gas turbine power stations, peak-load, thermal efficiency improvements by utilising exhaust gases heat 2−27767
geothermal waters utilisation as primary agent in heat exchangers *(Rumanian)* 2−12515
heat transfer scaling laws for MHD channels and diffusers 2−28131
HV, cooling by heat-dissipation using heat pipes 2−27497
Incoloy 800 and Inconel 600, steam generator tube for PHWR, NaH_2PO_4 evaluation as denting inhibitor 2−7673
laser beam machining, heat transfer models 2−2063
MHD channels, mass and convective and radiative heat transfer 2−4376
nuclear steam generating systems, chem. thermohydraulics 2−7667
nuclear steam generators, system chemistry consideration 2−7668
once through steam generator, nonlinear mathematical model 2−12488
PWR, heat transfer coeffs. under LOCA conditions in containment buildings 2−7658
PWR simulated geometries, heat transfer and two-phase flow, computer program 2−3872
PWR simulated geometries, heat transfer and two-phase flow, computer program 2−7685
radiation flow measuring system simulation *(Russian)* 2−3292
radiatively coupled thermionic power system/ concept 2−4380
steam turbine condenser design assessment and optimisation computer modelling techniques 2−23081
steam turbine sleeve bearings, investigation *(Russian)* 2−17990
Stirling engine with interleaved fins, heat transfer coeffs. calc. 2−12446
stressed liquid, interface field 2−9775
superconducting cables, transient stability, against thermal disturbance 2−7551
thermal gap resist. and contact resist. meas. by modulated heating method 2−7226
transient critical heat flux following nuclear reactor design basis accident, study test result data packages 2−3870
transient critical heat flux following nuclear reactor design basis accident, study results summary 2−7682
transient critical heat flux following nuclear reactor design basis accident, study test result data packages 2−7683
turbine generator rotors, heat flow, finite element anal. 2−18156
wafers, gas cooling during ion implantation 2−5666
Ge single crysts., heat transfer effect between cryst. and screen in thermal stresses and dislocation struct. 2−547
He, liq., rotating dewar, bayonet coupling of transfer tube investig. 2−23236
LiCl heated moisture detector, mathematical model of operation *(Russian)* 2−3109

heat treatment
see also annealing; normalising; quenching (thermal); tempering; thermomagnetic treatment
device for the automatic heat treatment of butt joints in steel wire 2−28277
IR temperature scanner for heat treatment shops 2−3162
lasing glass active elements, heat treated, charact. 2−6198
metals, laser-plasma processing at high gas press. 2−25887
multi-lead electrical cable, heat treatment for foam insulation 2−977
nonferrous metals, eddy current testing standards 2−8926
organotin films, amorphous, semiconductive and conductive, form. and props. 2−19448
polyester fibres, modification of struct. by stretching and thermal treatment *(German)* 2−13867
rhodamine 6G in methyl methacrylate and methacrylicacid copolymer, photo and thermal bleaching 2−10347
steel, alloy 40Kh, heat treatment quality control, inspection instrument, electromag. losses in mag. reversal in weak mag. field meas. 2−13895
steel, Alloys 800, 600, 690, materials requirements for PWR steam generator tubing 2−7666
steel, austenitic stainless, casting, US inspection, heat treatment effect 2−8919
steel, austenitic stainless, N strengthened, props., for cryogenic magnet structs. 2−8840
steel, constructional, heat treatment inspection by electromagnetic-acoustic method 2−645
steel, stainless, weld overlay, H-induced cracking in heat-affected zone of steam generator forging 2−7672

heat treatment continued
steel, structural and weldments, AE rel. to deform. and fracture 2−13877
thick film microelectronics, screening and heat treatment of resistors and capacitors *(German)* 2−24834
Al alloy AK4-1, heat treatment quality inspection by EM method 2−640
Al-a-Si:H, Schottky diodes, barrier height enhancement upon heat treatment 2−5729
CO_2 laser heat treatment technology, recent advances 2−20990
Cd-Si-As film, sputtered, compositional studies 2−5012
CdS-Cu_2S, solar cell, depth profiling, XPS and AES 2−4347
Cu targets for sputtering apparatus, improving operation by prior heat treatment 2−24320
Cu_x-CdS polycrystalline heat-treated solar cells, atomic absorption anal. and auger depth profiles 2−23547
Fe rich amorphous alloys, stress-mag. effects and shock-stress sensors with no power 2−20523
Fe-B-C-Si, amorphous low core loss materials, comp. and heat treatment 2−15133
Fe-Ni ferritic alloys, mag. and mech. props., telephone receiver appl. 2−15152
GaAs, heat treatment in controlled atmos., role of S, thermal cond. meas. *(French)* 2−1316
GaAs:Fe, heat treated substrate, photoluminescence props. studies 2−9425
GaAs:Mn, heat treatment below Si_3N_4 encapsulant of Mn implant, dopant profiles and diffusion mechanism *(French)* 2−1298
GaAs:Mn,Fe, heat treatment effects on surfaces, thermal redistrib. of impurities 2−1195
GaAs-Al, Schottky diodes, effect of substrate treatments usable in MBE 2−1345
GaAs-metal contact interface, metallurgical and elec. props., heat treatment effects *(Chinese)* 2−14692
Mn-Zn ferrites, low loss, prep. with complex oxalates, mag. props. 2−13870
NaCl:Sr, pretreated, effect of activator content on thermolum. 2−10135
Ni-Cr films, segregation, AES, electron diffr. and elec. cond. study 2−24337
PbTe (111) epitaxial thin films, elec. transport props., thermal-cycling induced changes 2−9465
PtSi-Si shallow Schottky barrier contacts, multilayer metallisation technique 2−1335
Si Czochralski crystal., elec. characterisation of cryst. defects and O_2 using gate controlled diode 2−14626
p-Si, low resist., minority carrier diffusion length, heat treatment effect 2−24945
Si, MBE films, dislocation density, growth conditions depend. 2−583
Si solar cells with plated Ni-Cu metallisation system, reliability 2−23510
Si:O, p-n junction characts., O conc. influence 2−20122
Si-Ge:P, thermal cond. change by precip. of dopant 2−25036
Ti as construction material in biomedical electronics *(Czech)* 2−27107
Y-Si Schottky barrier diode, barrier height and Auger depth profile 2−14830
YSi_2-Si Schottky barrier diode, barrier height and Auger depth profile 2−14830
ZnS phosphors, luminesc. props., influence of formation temp. 2−25615
ZnSe crystals, effect of heat treatment in Zn, Se, Cd vapour on optical and electro-optical props. 2−5549
ZnSe:Al, formation of low resist. In contacts 2−14693

heated cathodes *see thermionic cathodes*

heating
see also electric heating; induction heating; ovens; plasma heating; refractories; road heating; space heating
electric machine stator groove, nonstationary heating, differential eqns. and algorithm *(Russian)* 2−12578
solar heating simulation programs for electric utilities, assessment and evaluation project, five major activities 2−12181
solar heating simulation programs for electric utilities 2−12180
transformer heating due to single phase current, math. model *(Russian)* 2−4263

heating, buildings *see space heating*

heating elements
see also electric heating
temperature controller cct., Wheatstone bridge arrangement 2−5316
SiC based resistance material 2−13859

heavily doped semiconductor materials *see heavily doped semiconductors*

heavily doped semiconductors
see also degenerate semiconductors; superconducting semiconductors
bandgap reduction mechanism, bandtailing and rigid band models 2−20059
lasers, effect of heavy doping 2−6208
p-n junction, dielectric constant, position depend., elec. field and charge density effect 2−14677
region of Si device, minority carrier diffusion coeff. 2−25208
solar cell, band gap narrowing evaluation methodology based on measurements of emitter and base lifetimes and relaxation time 2−23463
solar cells, heavily doped emitters, charge neutrality 2−4337
$Ga_{1-x}Al_xSb$:Te, high field magnetotransport props. under hydrostatic press., direct-indirect - band transition 2−5571
p-GaAs, heavily doped, hot carrier relax., picosecond luminesc. study 2−24983
GaAs:Te,Zn, heavily doped material with p-n junction, SEM local cathodolum. obs. 2−24957
GaAs:Zn, polycrystalline, optoelectronic props. rel. to grain boundary features, cathodoluminesc. anal. 2−20089
n-Ge, DC hopping cond., Mott $T^{-1/4}$ law from rate eqn. formalism 2−9450
Ge:Ga heavily doped single crystals grown from melt, interface breakdown 2−13804
n-Si, elec. resist., partial wave theory 2−9411
a-Si films, heavily doped, glow discharge, AC conduction 2−25029
Si, nondegenerate minority-carrier concentration and recombination current 2−5532
Si, optical absorption meas. for pure and heavily-doped materials, 1.24 to 4.63 eV, polarization modulation ellipsometry solar cell performance 2−23607
Si p-n junction solar cell, effective elec. field in n-type heavily doped emitter region 2−23431
Si solar cells, heavily doped regions, modelling techniques, transport eqns. formulation 2−23492
Si:As emitters of transistors and diodes, energy gap narrowing in heavily-doped regions of devices 2−20241

heavily doped semiconductors continued
Si:$B^+(P^+)(As^+)$, solar cells, prep. by ion implantation and pulsed laser annealing, optical and elec. characterisation 2−12862
Si:Ga(Sb), MBE grown, sharp profiles with high and low doping levels 2−9551
Si:H,B amorphous film, elec. props., optical props. 2−25015
Si-Ge:P, thermal cond. change by precip. of dopant 2−25036
n-$Si_{63.5}Ge_{36.5}$, thermal cond. and thermoelec. conversion, phonon-grain boundary scatt. effect 2−20112
ZnSe:Al, formation of low resist. In contacts 2−14693

heavy ion excited X-ray emission *see ion microprobe analysis*

height measurement
road surface shape meas. using laser sensor 2−21005

Heising modulation *see amplitude modulation*

helical dislocations *see screw dislocations*

helicons
see also solid-state plasma
No entries

helicopters
advanced medium scale real-time system 2−10819
aerodynamic research, laser velocimetry for a large wind tunnel 2−22625
collision warning device, using microwave radar 2−27252
Electronic Master Monitor and Advisory Display System 2−3561
flight testing, real time analysis 2−22619
flow meas. over helicopter rotor blades, using boundary layer transducer 2−12006
Heli-tele, TV transmission using helicopters fitted with microwave equipment 2−21965
icing development program, simulation, testing and instrumentation 2−17460
icing protection and testing *(French)* 2−12014
LORAN-C for civil aviation appls., flight test investigation 2−2848
offshore environment, anal. of helicopter operations and use of MLS 2−2850
overhead wire detection techniques 2−12022
rotor blades stresses obs. *(French)* 2−12013
rotor impulsive noise, anechoic wind tunnel expts. 2−22615
CO_2 laser radar wire detect. systems for NOE helicopter flight, requirements and capabilities 2−2837

heliotron *see plasma devices*

heliports *see airports*

heterodyne detection *see demodulation*

heterodyne wavemeters *see wavemeters*

heuristic programming
see also artificial intelligence
convolutional codes, heuristic decoding 2−2274
integer-valued linear programming soln., heuristic self-organisation algorithm 2−19264
Modular Interactive Network Designer software for telecommunications networks 2−2405
optimal short-term operation of power systems, inaccurate input data influence 2−3711
random search techniques for hydropower planning 2−7751
telecommunication network design by topological optimisation and performance simulation 2−2404

h.f. amplifiers *see high-frequency amplifiers*

h.f. transformers *see high-frequency transformers*

h.f. transmission lines *see high-frequency transmission lines*

hierarchical systems
see also multivariable systems
computer communication networks, routing problems, appl. of hierarchical control techniques 2−15971
digital hardware fault propagation characterisation as simple Markov process 2−150
distributed processing system architecture, motivations and trends *(Italian)* 2−21609
electric drive control, state trajectory determ. *(Czech)* 2−8023
equilibrium strategies in dynamic games with multilevels of hierarchy 2−19117
geographically distributed network organisation, integrated approach *(Italian)* 2−16196
Integrated Services Digital Network switching office model *(Italian)* 2−21612
interconnected power system control using two-level methods 2−22843
packet-switched data network supervision and management system architecture *(Italian)* 2−21619
power system, two-level state estimation for anomalous data anal. 2−7510
power system dynamic optimisation, hierarchical approach 2−17663
secondary reactive power-voltage control in a hierarchical control scheme *(German)* 2−7470
telecommunication network architecture, ISDN multiservice terminal equipment design appl. 2−16309

high fidelity amplifiers *see audio-frequency amplifiers*

high field effects
see also Gunn effect; hot carriers; impact ionisation; limited space charge accumulation; Poole-Frenkel effect; Schottky effect; Zener effect
chalcogenide thin films, amorphous, high field short pulse behaviour, band model 2−5579
dielectric liquids, high field behaviour of moderately pure liquids, complexities 2−1477
dielectric liquids, voltage-current charact. at high fields, electrochemical cond. explanation 2−1478
electron capture at screened Coulomb centres, elec. field effect 2−9392
FET, ballistic transport obs. by noise meas. 2−25249
high-viscosity dielectric liquids, prebreakdown phenomena 2−1487
liquid dielectric triggered breakdown, shadowgraph optical system for determ. of proportion of gap affected by discharge 2−1498
monopole antenna, response to EM pulse with corona, transmission line model 2−26040
polyethylene, influence of elec. field and press. on cond. 2−5864
semiconductor, transit reson., subharmonic 2−9400
semiconductor critical thickness layers, field effect, electrostatic charcts. 2−25086
semiconductor devices, collisional broadening effect on Monte Carlo simulation of high-field transport 2−9595
semiconductor devices, submicron, modelling, conceptual problems 2−14822

high field effects continued
semiconductors, hot carriers, conf., Montpellier, France (July '81) 2−23866
$B_{12}GeO_{20}$, wide-gap semicond., free carrier exclusion in current-voltage characts. 2−20117
$CuInSe_2$ single crystal, carrier heating by microwave elec. field 2−5593
$Ga_{1-x}Al_xSb$:Te, high field magnetotransport props. under hydrostatic press., direct-indirect band trans-ition 2−5571
GaAs, ballistic electron transport in nonparabolic band struct. 2−1174
GaAs, ballistic transport with collisions 2−1139
GaAs, collisional broadening effect on Monte Carlo simulation of high-field transport 2−9595
GaAs, impact ionisation, band struct. depend. 2−24934
n-GaAs, photoconductivity, far-IR two-photon transitions and two-photon cyclotron resonance 2−20087
GaAs semiconductor devices, collisional broadening effect on Monte Carlo simulations of high-field transport 2−9596
GaSe, slowly relaxing cond. and elec. memory effect 2−14630
p-Ge, hot holes, noise, inelastic scatt., meas. at microwave freqs. 2−24952
Ge:P, photoconductivity spectrum of shallow donors, elec. field effect 2−15388
n-$In_{0.53}Ga_{0.47}As$, electron drift velocity meas. at 300K using microwave time-of-flight technique 2−14638
p-$In_{0.53}Ga_{0.47}As$, photoexcited minority electrons, velocity field characts. 2−1172
$In_{1-x}Ga_xAs_yP_{1-y}$ lattice matched to InP, comp. depend. of mobility, peak vel. and threshold field 2−5570
InSb, ballistic electron transport in nonparabolic band struct. 2−1174
InSb dielectric response function for sub-MM radiation interacting with quasi-free carrier gas, high mag. field 2−20086
InSe, slowly relaxing cond. and elec. memory effect 2−14630
Nb_3Sn/Nb-Ti composite-processed superconductor, high field props. 2−9882
PbS, at 1.4K, Kondo-Toyozawa theory 2−24966
Si, electron diffusion coeff. 2−14613
Si, high-field transport of holes 2−1147
Si, impact ionisation, band struct. depend. 2−24934
n-Si, multivalley semicond., transverse field stratification, elec. field distrib. and current meas. *(Russian)* 2−14634

high-frequency amplifiers
see also microwave amplifiers; radiofrequency amplifiers; ultra-high-frequency amplifiers
bipolar high-frequency and microwave amps., noise characts. 2−13991
MFT2 HF fast tuning linear amplifiers, characts. and microprocessor control 2−19551
second-order active filters using HF amplifiers 2−14209
VHF input cct., using dual-gate MOSFET BF900 *(German)* 2−13981
VHF power amplifier design using VMOS power FET *(German)* 2−5118

high-frequency discharges
plasma MIG welding, new torch and starting method *(Dutch)* 2−13112
CO_2 static CW waveguide laser with high-freq. excitation 2−20828
He-Cd laser with RF pumping, quasi-CW operation 2−25695
He-Ne laser with transverse microwave pumping, unsaturated gain determ. 2−6172
Xe-He plasma characts., through excitation by transverse HF discharge 2−20809

high-frequency effects
see also helicons; hot carriers; skin effect; solid-state plasma
ferroelectric thin films, UHF dielectric props. 2−20458
hot carrier, impedance 2−9490
hot carrier p-n junction, elec. signal amplification kinetics 2−9496
IMPATT device, hot carriers, high freq. behaviour, semiparticular simulation 2−25190
ionosphere, artificial discontinuity excitation of HF radiation with oblique beam radiowave scatt. *(Russian)* 2−25958
magnetron-type TWT, desynchronism and HF losses, based on analytical theory *(Russian)* 2−24874
nonlinear effects caused by two VHF pulses *(Russian)* 2−25957
overhead contact wires, HF vibrational characts. 2−12270
railway pantograph overhead contact wires, high frequency vibration study 2−23693
semiconductor, high freq. photoresponse with modulated carrier diffusion coeff. 2−15387
semiconductor layer structures, high-freq. characts. 2−9488
semiconductors, EM wave propag., inhomogeneous high freq. current effect 2−9401
semiconductors, hot electron effects in crossed mag. and static microwave elec. fields 2−24909
semiconductors, hot electron studies, microwave experiments including avalanche 2−24901
As_2Se_3, glassy, HF dielec. props. 2−1202
p-$Cd_xHg_{1-x}Te$, elec. cond. in strong microwave elec. field, 77 to 300K 2−20081
$CuInSe_2$ single crystal, carrier heating by microwave elec. field 2−5593
n-$In_{0.53}Ga_{0.47}As$, electron drift velocity meas. at 300K using microwave time-of-flight technique 2−14638
$Mn_{0.5}Zn_{0.5}Fe_2O_4$, polycrystalline, permittivity, conductivity and dielectric relax. 2−5573
Se, single crystal, freq. depend. of cond., noise and photoresponse 2−9416
n-Si, cond. in strong alternating elec. fields 2−14633
Si, inversion layer, velocity overshoot, hot electron submm wave cond. study 2−25085
Si inversion layers, small-signal velocity overshoot obs. by broadband sub-MM wave spectroscopy 2−20152

high-frequency electronic transport *see high-frequency effects*

high-frequency heating *see radiofrequency heating*

high-frequency transformers
multi-element ponderomotive microwave power transformer, freq. depend. of electrically calibrated coeffs. *(Russian)* 2−27987

high-frequency transmission line measurement
No entries

high-frequency transmission lines
application of resonant circuit theory to matching networks 2−26379
coupled transmission lines, used for multiport matching ccts. *(French)* 2−19491

high level languages
see also Ada; APL; BASIC; FORTRAN; simulation languages
ATLAS appl. to warfare electronic system testing, using colour graphics 2−22130

high level languages continued
ATLAS language implementation for testing gas turbine engines 2−22703
avionics multiprocessing system PEARL software 2−22673
call description language for SEL PABX Unimat 4070, control arrangements *(German)* 2−10924
CCITT specification and description language *(Norwegian)* 2−26180
CHILL, concurrent high level language for real-time systems, telecommunications *(Italian)* 2−10912
CHILL programming language for SPC telephone exchanges, development history 2−21695
ESS software development, SL1 specification language 2−2632
microprocessor-based welding robot *(German)* 2−4515
microsystems, conf., London, England (March 1981) 2−23895
PLT, a test language for new products for logic PCB testing 2−793
stored program control telephone exchange 2−26331

high-pass filters
active, first-order, design and testing *(German)* 2−823
active Butterworth filters of 2nd order, design using TI 58/59 programmable calculator *(German)* 2−19778
active filter design, Butterworth low pass, high pass, band pass , band stop 2−24595
active phase compensated biquadratic high pass filter 2−24593
Butterworth filters, design and testing *(German)* 2−19771
digital, recursive, real-time appl. *(German)* 2−844
digital filter concept implementation for student case study using Intel 2920 single-chip signal processor 2−14221
electro-thermal filter networks, using sensors, heaters *(German)* 2−19777
floating inductor design using single op. amp., active filter ccts. appl. 2−5282
IKM 120 influence of high pass filters on performance *(Bulgarian)* 2−2654
logic gate filter for square-wave pulse train 2−835
metallic mesh interference filters, high freq. pass 2−6079
multilayer distributed parameter high-pass filter 2−24587
step voltage generator and CODEC-high pass filter produces sinusoidal signals *(German)* 2−2324
switched-capacitor filters synthesis 2−8963
symmetric multi-element coupled-transmission-line high-pass filters, synthesis and tables 2−24649
third-order active RC filters *(German)* 2−818

high power amplifiers *see power amplifiers*

high-pressure techniques
boiler subcritical or supercritical pressure cycle selection factors 2−18012
double-reheat turbine design for supercritical pressures 2−18019
quartz spiral gauge, appln. to interaction second virial coeff. meas. 2−26987
CO_2 laser, RF excited, high repetition rate at 10 atm operation 2−25667
GaN, high pressure vapour growth 2−13822

high-temperature techniques
see also pyrometers; refractories
encapsulated strain gauges for use at temps. up to 315°C, practical appls. *(German)* 2−16924
graphite electrode of electric arc, use as high temperature standard 2−14554
heat pipe cooled probe jacket 2−3127
pyrometer calibration, using standard radiator with automatic temp. controller 2−16982
pyrometry, integral equation numerical solution 2−11490
tandem-compound 1800 rev/min turbine-generators for largest superheated steam supply sources 2−18020

high vacuum gauges *see vacuum gauges*

high-voltage engineering
see also high-voltage techniques
1.2 MV circuit-breaker development for gas-insulated substations 2−18398
400 kV, French power system development scheme *(French English)* 2−12200
500 kV line construction problems 2−12274
735 kV shunt-compensated system stability with static compensators 2−17696
765 kV transmission system single-phase switching performance 2−17695
AC HV impregnated capacitors, gas generators in dielec. liquids and partial discharges 2−5384
aircraft HVDC electrical system modelling program 2−3566
axial symmetric arrangements numerical field calc. using desk top computers *(German)* 2−23332
cable terminations for force cooled high voltage pipe type cable systems 2−27556
cabling for power distrib. in large spacecraft 2−3569
cap and pin insulator strings, pot. distrib. calc. *(Italian)* 2−22945
characteristics of switching processes/ in high voltage vacuum and air contactors/ 2−4317
compressed gas insulated systems, surface flashover of spacers, review 2−1500
developments in protection and control for EHV transmission systems 2−22894
EHV and UHV multiconductor bundles, aeolian vibration, galloping and wake-induced oscillation 2−17753
EHV lines, current meas. using magnetosensitive elements 2−3805
EHV network development strategy, for Italian power system *(French)* 2−12199
EHV transmission lines, back-up protection equipment adjustment computing *(Czech)* 2−17770
EHVDC transmission line in Zaire, construction problems 2−12235
electrical accidents in France *(French)* 2−23965
electronic current transducer for EHV circuits 2−17783
ELF EM fields and health risks from HV transmission lines 2−17428
generator windings for EHV operation *(German)* 2−7819
high voltage testing transformers 2−27961
HV lines current meas. using their magnetic fields *(Russian)* 2−3804
HV switchgear tests, laboratory meas. automation 2−4312
HV transmission, conductor sizes and system voltages selection and future outlook *(French)* 2−12228
HVDC lines, harmonic suppression and improved mechanical props. by new conductor design *(German)* 2−3739
HVDC short interconnection, experience *(German)* 2−27460
HVDC thyristor development *(German)* 2−25217
HVDC transmission growth 2−12234
HVDC transmission over long distances *(German)* 2−27461

high-voltage engineering continued
insulating system analysis by finite element based method *(Croatian)* 2−27554
insulators, design and selection, influencing factors 2−3778
large EHV transformer specification features and problems 2−18306
laser HV power supply 2−5097
metal enclosed high voltage switchgear for safe operation 2−7940
methods for calculating electric fields/ of high voltage equipment/ 2−4011
overhead lines route determination, regional planning *(German)* 2−12266
Papendrecht-Arkel high-voltage transmission line *(Dutch)* 2−7560
particle-contaminated gas breakdown in compressed-gas insulated systems, review 2−1501
power transmission lines, live working at high voltages 2−7558
resistance voltage divider, HV electrode design by iterative procedure 2−7174
silicone oil layers, behaviour at partial discharge stress 2−5854
transformers, operating behaviour of insulation oils 2−7905
transient measurement techniques 2−17785
transmission networks, China 2−27458
UHV power transmission, French power system development forecasting *(French)* 2−12271
USA Pacific HVDC Intertie capacity improvement 2−17655
utilization of material resources at high voltage equipment/ manufacturing enterprises 2−81
SF_6 breakers, dynamic characts. calc. 2−4311
sF_6 insulated high voltage switchgear: present status and development trends 2−12743

high-voltage techniques
120 channel HV regulator, DATEP, for gamma detector photomultipliers 2−17310
absolute electrometer for measuring voltages from 50 to 150 kV *(French)* 2−17033
electro-optical transmitters for HV and heavy current measuring appls. in electric power test laboratories *(French)* 2−17075
electro-optical transmitters for HV and heavy current measuring appls. in electric power test laboratories *(French)* 2−17076
fault location in HV power systems 2−3793
HV insulation techniques, weak inhomogeneous electric fields in enclosed HV devices *(German)* 2−15061
HVDC power convertor with twelve pulses and equidistant firing system, simulation model 2−27465
impulse voltage recording by A/D convertor, advantages and errors *(French)* 2−17067
measurement using voltage dividers *(French)* 2−17066
nuclear structure facility at Daresbury 2−11692
pulse transformer construction for operating spark-gaps *(German)* 2−970
transient voltage overshoots, calc. method by computer *(Croatian)* 2−12126
SF_6 insulated switchgear diagnostics, testing and fault location techniques 2−18395

history
accelerators role in modern physical science development 2−3367
antennas, development history 2−21214
broad-range particle spectrograph, historical review 2−3428
communication satellite commercial Earth terminals 2−12051
DC motor, industrial, history and developments 2−7867
earthquake seismograph development, modern history 2−3580
earthquake seismograph development, modern history 2−7413
eddy current testing, history, present status and future development 2−8924
electric light bulb industry in USSR, historical review *(Russian)* 2−4450
electric locomotives, single-phase industrial mains frequency *(Portuguese)* 2−12988
electric power industry in USSR from times of GOELRO plan to year 1980 *(Russian)* 2−22804
electricity from coal in USA 2−23094
gamma camera tomography 2−8152
holography, historical development, overview *(Czech)* 2−25865
inland telecommunications network, evolution 2−15979
Institute of Electrotechnics Department of Measurements and Electrical control establishment and formation, historical survey *(Polish)* 2−23868
ion implantation systems, historical perspective and future trends 2−1282
lasers, physical principles and historical review 2−10177
metals, amorphous, general introduction 2−5029
police communications systems 2−2723
power engineering, early struggle in UK 2−22768
printed wiring technology 2−14370
probability and statistics, studies, Buffon's cycloid 2−13455
product design, Multitech Industrial's Universal Development System for 8/16 bit designs 2−24547
prosthetic systems, closed-loop control, historical perspective 2−17413
railway electrification systems, historical development *(Portuguese)* 2−12987
satellite-antenna development from first communication satellite to broadcast satellite *(German)* 2−10580
steel industry, eddy current testing, present, past and future 2−8925
switching system architecture, evolution 2−16261
telecommunication, British Post Office international service 2−15980
telecommunications and society, the past 25 years 2−15978
telephone instruments, payphones, and private branch exchanges, 25 year period 2−16030
telephone network signalling, develop. since 1956, towards advanced common-channel techniques 2−16263
telephone network transmission, historical overview 2−16031
telephone switching, control technology developments 2−16262
telephone switching system technology development 2−16264
telephony, history, present status, and future of audio transmission 2−16034
Telex service, automatic, 25 years of service 2−16073
theatre lighting equipment, historical development 2−23738
TV camera tubes 2−1124
UK ICF computer network 2−16158
Vehicular Technology Society, IEEE 2−8134
wind energy utilisation, current trends and future prospects 2−3837

HIXE *see ion microprobe analysis; X-ray chemical analysis*

hodoscopes *see cosmic ray apparatus*

hoisting equipment *see hoists*

hoisting machinery *see hoists*

hoists
see also materials handling
DC electromagnetic grabs, indirect method for determining carrying force *(Rumanian)* 2−25912

hole mobility *see carrier mobility*

hole traps
see also electron traps
avalanche photodiodes, triggered avalanche detection of IR photons 2−16979
copper phthalocyanine binder photoreceptor, trapping levels, TSC study 2−10113
disordered semiconductors, microscopic theory of dispersive transport 2−9398
ferroelectric ceramics, transparent, semicond. props., electron-hole processes, hologram forming 2−25034
MNOS capacitors, high electric field effect on C-V characteristics *(Japanese)* 2−1246
MNOS structure, degradation props. 2−9507
MOS system, equilib. and non-equilib. C-V curves in time and freq. domain 2−25096
n^+-p^--p^+ lateral diodes made from low press. CVD polycryst. Si films, energy distrib. of traps at grain boundaries 2−25196
semiconductor, polycrystalline, carrier mobility, grain boundary barrier model 2−9388
semiconductor junctions with deep impurity levels, admittance, space charge anal. 2−9479
semiconductor nuclear radiation detectors, carrier trapping, current transport 2−9393
semiconductors, compensated, localised charge carriers, particle statistics and transport 2−9390
AlGaAs-GaAs solar cells, deep-level defects, low temp. periodic annealing effects 2−18469
As-Se, glassy, hole drift mobility, composition and struct. depend. 2−25009
As_2S_3-Sb_2S_3 and As_2S_3:Sn, glassy, hole drift mobility, composition and struct. depend. 2−25009
β-B, rhombohedral, photocurrent instabilities, low freq., at low temp. 2−25569
GaAs, MO-CVD grown under different Ga/As mol fractions, deep levels 2−604
GaAs MOS structures, charge trapping in anodic native oxide under pulsed laser illum. 2−20144
GaAs planar devices, interface traps, DLTs and PITs methods 2−1397
n-GaAs, spectroscopic line fitting to DLTS data 2−14650
GaAs, VPE layers, implanted and annealed, elec. and optical props. 2−24969
GaAs:Cr, photoexcited charge carrier recombination processes *(Russian)* 2−1190
GaAs-metal-semiconductor FET, transient radiation study 2−14869
n-Ge, neutron bombarded, minority carrier injection and extraction 2−24949
Ge-Se-Ga thin film, amorphous, trap distrib., SCLC obs. 2−14664
HgCdTe MIS capacitors, ionising radiation effects 2−14860
p-$Hg_{1-x}Cd_xTe$, deep levels, narrow-band-gap space-charge spectroscopy 2−1175
p-$Hg_{1-x}Cd_xTe$, deep levels, correlation with photodiode performance 2−1176
InP:Fe, thermally stimulated cond. investigation 2−14644
InP:Zn, p^+n junction diodes and Schottky barriers, deep levels, Zn diffusion effects, DLTS study 2−9427
Si, polycrystalline, conduction model, comparison between theory and expt. 2−1152
Si, polycrystalline, model for conduction using grain boundary mechanisms 2−5529
a-Si Schottky barrier solar cells, localised states and photocond. 2−4344
SiO_2, thermally stimulated hole currents 2−1247
ZnO, high degeneracy acceptor levels, space charge capacitance and Hall effect data 2−1180

hollow cathodes *see cathodes*

holographic gratings
aberration corrected holographically recorded diffraction gratings 2−2050
blazed holographic gratings, form. by surface waves and replication by metal electroforming 2−2042
blazed ion-etched holographic gratings, high-spectroscopic qualities 2−2049
chirped waveguide diffraction gratings, improved holography 2−6279
echelle and holographic grating comparison for scatt. and spectral resolution 2−2030
evanescent-wave holograms, diffr. efficiency charact. features for TM polarisation of reconstructing wave 2−25876
exposing interference pattern stabilisation in holographic grating prod. using reference grating and servosystem 2−2044
groove depth determ. method 2−2051
ion-etched gratings for laser applications 2−2048
Lockheed Palo Alto research laboratory grating technology development, review 2−2046
photoresists, formation of holographic diffr. gratings 2−10373
recording process, analytical description *(German)* 2−20983
Stockholm Institute of Optical Research holographic grating work review 2−2047
surface grating fabrication techniques 2−2043
triangular and sinuosidal grooves, manufacture and test results 2−2045
volume phase holograms in photorefr. crysts., selective props. 2−25871
wavelength scaling holographic element generation 2−2037
wavelength scaling holographic elements 2−2041
$BaTiO_3$ photorefractive-index gratings formed by nanosec. optical pulses 2−2038
$LiNbO_3$:Fe, optical erasure dynamics of one- and two-photon holograms 2−20971
Mg mirror surface, dynamic hologram recording, wavefront inversion 2−2055

holographic instruments
see also holography
attachment, for machine for field of displacements determ. 2−620
Dennis Gabor memorial symposium, Haifa, Israel (Mar. 1980) 2−18850
holocameras, types 35 and 9×12, easy-to-handle 2−20974
intensity correlator using a laser cathode-ray tube 2−25869

holographic instruments continued
interferometer, three-dimens. gas flow visualisation along aeroballistic trajectory 2−2053
laser scanner for nonimpact printing, hologon beam deflector design 2−2035
plane grating holographic laser scanner for high resolution imaging appls. 2−10390
projectors for three-dimens. static images 2−25868

holographic interferometry
aeroballistic trajectory, holographic interferometer for three-dimens. gas flow visualisation 2−2053
aerospace turbomachinery flow diagnostics 2−12041
colour encoding of holographic interferometric fringe patterns with white-light processing 2−2027
cylindrical surface under axial load, deformation meas. appl. *(Japanese)* 2−11617
deformation and vibr. anal. using holography and speckle techniques 2−10381
deformation measurement, in-plane, using holographic moire 2−15562
Dennis Gabor memorial symposium, Haifa, Israel (Mar. 1980) 2−18850
depth contour generation by improved two-beam interference method, two methods *(Japanese)* 2−2033
diffuse object spatial displacement meas. accuracy using holographic interferogram data 2−22392
displacement measurement, three-dimens., incoherent superposition of interferograms 2−20975
flaw detection, real-time 2−8852
flow visualisation of time-varying shock waves 2−2029
high-precision optoelectronic picture scanning by means of a precision mechanical instrument *(Hungarian)* 2−10375
holocamera used for time-averaged or frozen-fringe interferometry 2−2031
lens aberration determination using holographic interferograms of pupils recorded for two points on image plane *(French)* 2−25866
liquid diffusion studies, review *(Rumanian)* 2−10386
machine screw pitch and led error meas. by laser interferometer and optical feeler *(Japanese)* 2−11616
multiplexing using multiple reference beams 2−15570
object illumination optimisation for large object NDT 2−2034
recording interferograms on single-layer photothermoplastic carriers with flexible base *(Russian)* 2−10389
rotating component vibration analysis, image derotated holographic interferometry appl. 2−10385
semiconductor device behaviour investigation using lens-assisted hologram interferometry 2−15571
sequential hologram interferometry with diffusely illuminated objects, multiplexing techniques 2−2036
slotted waveguide antenna near field measurements, using holography 2−26048
spur gear teeth pliability determ. *(Russian)* 2−2032
strain measurement on rotating structures by electronic speckle pattern interferometry 2−11675
stress meas., acoustic holographic interferometry appl. 2−8896
temperature meas. appl. *(Spanish)* 2−15564
thermoplastic pipe joint, holographic NDT technique for quality control 2−24346
theta-pinch plasma diagnostics anal. by side-on holographic interferometry 2−6274
triangulation technique for distance and surface contour meas. *(German)* 2−15568
US wavefronts visualisation, with phase-modulated reference beam 2−6276
$Bi_{12}SiO_{20}$ crystals phase conjugation, real-time nondestructive testing appl. *(French)* 2−25875
GaAs (100) planes, grating corrugation form *(Chinese)* 2−10101
MnBi magneto-optic interferograms, spectral investigation, recording problems, binary threshold model *(Russian)* 2−10388

holographic storage
automatic hologram recording, using thermoplastic carrier with flexible celluloid base *(Russian)* 2−10370
data processing using photorefractive crysts. 2−15566
document holographic storage *(Chinese)* 2−10371
Fourier transform hologram linear recording using phase modulator shaped by spatial filtering 2−2039
multicolor holographic readout systems 2−20972
single-hologram-recording mode of operation of holographic storage device 2−2054
supermicrofiche, appl. of chalcogenide amorphous films 2−25543
thermoplastic recording media, in two-loop data retrieval systems *(Russian)* 2−2026

holography
see also acoustic holography; computer-generated holography; holographic gratings; holographic instruments; holographic interferometry; holographic storage; microwave holography
achromatic Fourier transform holography in temporally broadband light 2−2028
amplitude holography, optical noise effects rel. to recording media nonlinear props. 2−2040
astigmatic ray pencil reconstruction from holograms 2−20973
automated gelatin films, volume phase hologram image formation, expt. study *(Russian)* 2−25877
bench, holographic, with air-supported absorber *(Chinese)* 2−15563
biomedical engineering, coherent optics and holography appl., review 2−22518
bleached Ag-halide holography, high SNR 2−25861
cinematography of time-varying reflecting and phase objects using Nd:YAG laser 2−25873
coherence requirements, optical holography with partially coherent radiation 2−15561
colour holography, improved integrating exposure-control system 2−6278
coloured white light holograms 2−10383
composite matched filters 2−20977
correcting system, two-component, for synthesised interf. field form. in multimode fibres 2−20669
coupler for single-mode optical fibres and cables 2−6277
Dennis Gabor memorial symposium, Haifa, Israel (Mar. 1980) 2−18850
displacement analysis with multimode fibre optics 2−15565
evanescent-wave holograms, diffr. efficiency charact. features for TM polarisation of reconstructing wave 2−25876

holography continued
ferroelectric ceramics, transparent, semicond. props., electron-hole processes, hologram forming 2−25034
filter recording and positioning using microprocessor-controlled photothermoplastic device 2−15572
Fourier transform hologram linear recording using phase modulator shaped by spatial filtering 2−2039
historical development, principles, hologram formation, overview *(Czech)* 2−25865
holocamera used for time-averaged or frozen-fringe interferometry 2−2031
holographic laser beam dynamic correction method 2−20970
holographic lithography, resist profile modification 2−25303
holographic optical elements for laser radiation spectral and ang. charact. control 2−25862
image plane holography, speckle reduction 2−15569
image reconstruction system *(t)* 2−20989
image recording at wavelength that is absent in source emission spectra 2−10387
intensity correlation based holography 2−20987
interference copying of Denisyuk holograms, shrink-free photographic processing 2−20986
kinoform production, polarisation-holography method 2−15576
laser optics, conf., Leningrad, USSR (Jan. 1980) 2−18844
laser target interaction obs., high-speed cinematography and interferometry developments 2−10341
lens, off-axis, vol. holographic, conjugate diffr. order 2−10377
low-noise hologram copying process using narrow-band, non-laser light source 2−20980
micrat plates ORWO LP 2, bleaching efficiency meas. *(German)* 2−20984
microholography in bubble chambers *(French)* 2−27077
moving object picture anal., TV methods, optical spacial image filtration and automatic hologram anal. *(Russian)* 2−2387
multicolor holographic readout systems 2−20972
multiexposure, using AgCl emulsion films, diffraction efficiency obs. *(Russian)* 2−10369
multiplexing using multiple reference beams 2−15570
near real-time holographic displays using electronic recording 2−10384
nonlinear echoes, phase conjugation, time reversal, and electronic holography, review of expts. 2−26118
one-dimensional hologram recording and playback, using moving carrier *(Russian)* 2−10368
optical coin acceptor based on holography *(German)* 2−25867
optical memories, large capacity, correlator appls. 2−2392
optical wavefront reversal possibility with aid of liq. cryst. transparencies 2−2014
pattern recognition methods 2−20976
phase hologram nonlinear noise *(German)* 2−20981
photogelatin films, sensitised, climatic protection with varnish 2−15575
Pockels readout modulator transparency, use in real time hologram recording system 2−15574
pseudostereoscopic holographic imaging system for underwater mapping 2−10374
rainbow holography, one step, astigmatic technique 2−25870
rainbow holography multiplexing 2−10376
real-time holography of PCs 2−10382
recording and reconstructing holograms in white-light source spectrum 2−6273
recording of TGS ferroelectric cryst. growth on Space Shuttle 2−10392
recording process, analytical description *(German)* 2−20983
review 2−10378
scanners, improved collection of reflected beam when scanning specular surfaces 2−15567
screens, holographic, high-gain 2−10380
single-hologram-recording mode of operation of holographic storage device 2−2054
speckle hologram recording in multimode laser emission 2−25872
static three-dimensional images, holographic projection *(Russian)* 2−2056
stimulated Raman scatt., superradiation regime, wave-front registration and reconstruction 2−10362
sub-master holograms production method 2−20979
thermoplastic photoconductor hologram medium, solvent vapour method and heating method *(Japanese)* 2−15373
thermoplastic recording for sinusoidal exposure struct., elec. field calc. *(German)* 2−20985
total-internal-reflection selector in LiF F_2^+ colour centre laser 2−1931
UV pulsed interferometry and holography, N_2 laser appl. 2−2052
vibration analysis using holography combined with speckling 2−20978
volume phase holograms in photorefr. crysts., selective props. 2−25871
wavelength scaling holographic element generation 2−2037
weld and solder seam nonuniformity detect. using holographic matched filtering and electronic processing 2−14535
white light reconstructed hologram fabrication using dichromated gelatin *(Chinese)* 2−25864
Ag halide light-sensitive plates HP-490 and developer FHP-3 for holographic appls. 2−20982
Au transmission gratings with submicrometre spatial periods, fabrication, holographic lithog., X-ray lithog. and microplating 2−20704
$Bi_{12}SiO_{20}$ crystals, two-wave mixing and energy transfer, image amplification and vibr. anal. appls. 2−20988
$Bi_{12}SiO_{20}$, photorefractive electrooptic cryst. with vol. phase hologram, light diffr. 2−10379
$Bi_{12}SiO_{20}$ photorefractive crystal, phase conjugation by real-time holography and degenerate four wavemixing 2−15559
He-Ne laser radiation wavefront reversal by light-induced shaping of an absorbing material surface 2−2017
$KNbO_3:Fe^{2+}$, volume phase holograph form., coherent light amplification and optical phase conjugation 2−20949
$LiNbO_3$, optical nonlinearity and hologram recording *(Russian)* 2−10348
$LiNbO_3$:Fe, one-and two-photon holograms, optical erasure 2−6275
$LiNbO_3$:Fe, photorefractive electrooptic cryst. with vol. phase hologram, light diffr. 2−10379
$LiNbO_3$:Fe, thermal fixing of holograms, evidence for mobile H^+ ion mechanism 2−15573
$(Sr_xBa_{1-x})_{1-y}(Nb_2O_6)_y$:Ce, holographic sensitivity depend. on Ce conc. 2−6280

homopolar generators
linear, with reciprocating armature, charcts. 2−4239
no-load voltage of a homopolar inductor alternator 2−4236

homopolar machines
see also homopolar generators; homopolar motors
magnetic field in end zone 2−12660
rotating and linear, reluctance principle 2−4237
synchronous, principles and construction, armature slot geometry and magnetic flux and flux linkage charact. *(German)* 2−27934
homopolar motors
linear synchronous motor magnetic field calc. finite element model 2−12618
linear synchronous permanent magnet, magnetic field calc. finite element model 2−12615
linear synchronous permanent magnet, magnetic field calc. finite element model 2−12616
homopolymers *see polymers*
hopping conduction
amorphous semiconductors, DC hopping cond., Mott $T^{-1/4}$ law from rate eqn. formalism 2−9450
disordered semiconductors, microscopic theory of dispersive transport 2−9398
disordered system, hopping cond. freq. depend., dielec. loss-angle tangent study 2−20057
MNOS capacitors, high electric field effect on C-V characteristics *(Japanese)* 2−1246
MOSFET, conductance in restricted-dimensionality accumulation layers 2−20273
organic semiconductor, model of photogeneration of carriers 2−15389
poly-N-vinyl carbazole, model of photogeneration of carriers 2−15389
polyacetylene, doped, elec. cond. freq. depend., soliton model 2−25041
polyacetylene, elec. transport, mag. and struct. props., review 2−25039
polyacetylene, electron hopping cond., soliton model 2−25040
semiconductors, amorphous, cond., drift and diffusion 2−5584
transition metal oxides, amorphous, elec. cond. and electrochromic props., review 2−25010
Ag-Te, amorphous semicond. film, prep. by diffusion and elec. cond. 2−25008
CdF_2:Ho^{3+}, semiconductor, growth, IR spectra and elec. cond. 2−8795
$Cd_xHg_{1-x}Te$, resist. and Hall coeff., 4.2 to 30K 2−20082
GaAs:Cr amorphous film, hopping conduction 2−20092
p-Ge, hopping transport at large uniaxial stress and high mag. field 2−20064
$Hg_{0.9}Cd_{0.1}Te$, electron freezeout and hopping cond., magnetoresist. and Hall effect meas. 2−1185
$Hg_{1-x}Mn_xTe$, acceptor-state cond. in mag. fields 2−5594
Mn-Zn ferrospinels, elec. cond., comp. depend. 2−1199
N_2, liquid, prebreakdown phenomena study using modified schlieren system, hopping transport mechanism 2−1484
Si, amorphous, electrical cond. and thermoelec. power 2−25017
Ta_2O_5, amorphous, hopping cond. freq. depend., dielec. loss-angle tangent study 2−20057
V_2O_5 amorphous layers, hopping cond., disorder energy 2−25014
horology *see time measurement*
hospital administration *see medical administrative data processing*
hot carrier conduction *see hot carriers*
hot carriers
amorphous semiconductors, hot carrier thermalization, deep trapping and recombination 2−24998
devices, for MM and sub-MM appls. 2−24703
field effect cond. at enriching voltages *(Russian)* 2−25095
floating gate ionisation injection MOS (FIMOS), n-channel, one dimensional writing model 2−1375
hot carrier, impedance 2−9490
hot carrier cond., transient regime, Monte Carlo and Boltzmann eqn. iterative solns. 2−24940
IMPATT device, hot carriers, high freq. behaviour, semiparticular simulation 2−25190
layered semiconductor structures and heterostruct., hot electron and phonon effects 2−14675
many-layered heterostruct., hot electron vel. correl. and diffusion 2−25058
many-valley semiconductor, intervalley diffusion of hot-electrons 2−24905
microwave power sensor, high-speed, using hot carriers in semiconductor 2−16977
MM wave detector and mixer technology 2−24462
MOS and FAMOS transistors, channel hot electron injection effect on spatial distrib. of interface charge 2−25261
MOS capacitors, DC magnetron sputtering process parameter rel. to hot electron trapping 2−20148
MOS structures, charact. of slow interface traps created during electron avalanche injection 2−25099
MOSFET, localisation of hot electron injection into oxide 2−25259
MOSFET, submicron, carrier vel.-elec. field relation and field distrib. 2−25248
MOSFET devices, hot carrier effects, injection and surface trapping 2−25262
MOSFET interface states due to hot electron injection, determ. by charge pumping technique 2−9649
MOST, short n-channel, anal. of degradation under channel hot electron effect 2−25260
NMOS FET structure for submicron level VLSI, minimization of channel hot-electron injection 2−20416
noise in physical systems, conf., Gaithersburg, MD, USA (Apr. 1981) 2−23896
p-n junction, elec. signal amplification kinetics 2−9496
p-n junction, hot carrier thermo-EMF under strong forward bias conditions 2−5619
relaxation, picosecond laser pulse studies, review 2−24984
Schottky barrier diode mixer characteristics, hot electron effects at high frequencies 2−5351
semiconductor, current controlled negative resist. and generation-recomb. induced nonequilib. phase transitions, impact ionisation model 2−24902
semiconductor, frequency and wavevector dependent diffusion coefficient of electrons from Monte Carlo calculations 2−24906
semiconductor, hot electron noise props. in nonzero collision duration regime 2−24908
semiconductor, non-equilib. hot-carrier diffusion phenomenon, theoretical non-Markovian approach 2−24903
semiconductor devices working under hot carrier conditions, noise meas. modelling 2−25178
semiconductors, hot cariers, conf., Montpellier, France (July '81) 2−23866
hot carriers continued
semiconductors, hot carrier ballistic transport, displaced Maxwellian formulation 2−24939
semiconductors, hot electron effects in crossed mag. and static microwave elec. fields 2−24909
semiconductors, many-valley, hot electron elec. cond., nodal point calc. 2−24915
semiconductors, microwave experiments including avalanche 2−24901
semiconductors, non-equilib., hot-carrier diffusion phenomenon, Monte Carlo approach 2−24904
semiconductors, S-type current-voltage characteristics in classically strong mag. fields 2−24913
semiconductors at IBM: physics, novel devices, and materials science, review 2−20054
solid-state devices, conf., Toulouse, France (Sept. 1981) 2−23892
submicron devices, transport theory 2−25176
superlattices, lateral transport 2−25056
surface plasmon light emitter, electrically tunable, proposal 2−6108
thermalisation, effect of Ramsauer min. 2−1468
As_2S_3, amorphous, hot carrier relax., optical picosecond study 2−25013
p-$Cd_xHg_{1-x}Te$, elec. cond. in strong microwave elec. field, 77 to 300K 2−20081
$Cd_xHg_{1-x}Te$, magnetophonon reson. of nonequilib. carrier density 2−5563
CdTe, transient hot-carrier phenomena, method of moments for anal. 2−24935
$CuInSe_2$ single crystal, carrier heating by microwave elec. field 2−5593
$Ga_{1-x}Al_xAs$, hot electron transport, expt. and Monte Carlo simulation 2−24978
GaAs crystals and solid solns., hot electron luminescence 2−25593
p-GaAs, heavily doped, hot carrier relax., picosecond luminesc. study 2−24983
GaAs, hot carrier ballistic transport, displaced Maxwellian formulation 2−24939
GaAs, hot carrier photoluminescence, picosecond correlation effects 2−25594
GaAs, hot carrier relax., picosecond laser pulse studies, review 2−24984
GaAs, hot electron nonMaxwellian distrib. function in mag. field, cyclotron emission study 2−24981
GaAs, hot photoexcited electrons, effect of electron-electron scatt. 2−24974
n-GaAs, magnetophonon effect of hot electrons 2−14659
n-GaAs, periodic oscills. and turbulence of hot-carrier plasma at 4.2K 2−24975
GaAs Schottky light emitter for surface avalanching and electrolum. studies 2−15419
GaAs short channel device, hot carriers, space and time dependent transients 2−25175
GaAs-AlGaAs interface, hot electron effects in 2D electron gas 2−25055
GaAs-GaAlAs heterojunction, localisation and interaction effects in electron gas 2−9481
p-Ge, hot carrier population inversion, Hall effect study 2−24941
p-Ge, hot electron population inversion in mag. field., expt. and Monte Carlo simulation 2−24942
p-Ge, hot holes, noise, inelastic scatt., meas. at microwave freqs. 2−24952
Ge MM-wave detector using hot carriers, performance 2−19887
Ge, photoexcited hot carriers, picosecond interband saturation and intraband relax. 2−24943
Ge, transient hot-carrier phenomena, method of moments for anal. 2−24935
n-InAs, magnetoresist. hysteresis in elec. field 2−9440
$In_{0.53}Ga_{0.47}As$, electron transport and photoluminesc. meas. 2−1193
InGaAsP avalanche photodiodes, ionisation coeffs., excess noise charact., temp. depend. 2−10150
$In_{1-x}Ga_xAs_yP_{1-y}$ LEDs, hot carrier effects 2−10166
n-InSb, hot electrons, energy loss mechanisms 2−14642
n-InSb, hot electrons, noise and diffusivity 2−24977
n-InSb, magnetophonon effect of hot electrons 2−14659
InSb, photoexcited hot carriers, far IR cyclotron reson. and emission 2−24980
InSb, photoexcited hot carrier lifetime, magnetophonon oscillations 2−24982
$InSn_xO_y$-Ta_2O_5-ZnS:Mn-Ta_2O_5-Al thin film struct., DC electrolum. 2−25598
semiconductors, laser cyclotron resonance, Zeeman absorpt. 2−20058
Si, 1/f noise of thermal and hot charge carriers 2−14623
Si, amorphous, hot carrier relax., optical picosecond study 2−25013
n-Si, cond. in strong alternating elec. fields 2−14633
Si, hot carrier ballistic transport, displaced Maxwellian formulation 2−24939
Si hot carrier p-n junction, current oscills. 2−9493
Si, hot electron emission under pulsed laser excitation 2−24860
Si, hot-electron noise calc. at 77K, Monte Carlo method 2−24953
Si, intervalley diffusion of hot-electrons 2−24905
Si, inversion layer, velocity overshoot, hot electron submm wave cond. study 2−25085
Si inversion layers, remote polar phonon scatt. for hot electrons 2−20149
Si inversion layers, small-signal velocity overshoot obs. by broadband sub-MM wave spectroscopy 2−20152
Si, laser annealing, computer model of lattice temp., carrier conc. and temp. 2−25127
Si MOSFET, energy loss of warm electrons at interface 2−25247
n-Si, multivalued distribution of electrons between equivalent valleys 2−24937
n-Si, non-equilib., hot-carrier diffusion phenomenon, theoretical non-Markovian approach 2−24903
n-Si, non-equilib. hot-carrier diffusion phenomenon, Monte Carlo approach 2−24904
p-Si p^+-π-p^+ planar devices, hot carrier transport noise, meas., generation-recomb. noise rel. to deep levels 2−25172
Si p-i-n structure, homogeneously heated, injection effects 2−5616
p-Si, SCL current flow, hot holes and noise 2−24936
Si, transient hot-carrier phenomena, method of moments for anal. 2−24935
Si:H, amorphous, hot carrier relax., optical picosecond study 2−25013
Si-SiO_2 interface, hot electron induced defects 2−25098
SiO_2, electron trapping, reduction by high temp. N_2 annealing 2−14709
Si(100) inversion layer, hot electrons at low lattice temps. 2−25082
Te single crystal, electron transfer effect 2−24938
ZnS:Er thin film, DC electrolum., spectral intensity 2−25600

hot cathode tubes *see thermionic tubes*

hot cathodes *see thermionic cathodes*

hot electrons *see hot carriers*

hot pressing
magnetic heads, wear resistant, with monolithic gaps, fabrication technology 2−15186
$AgNbO_3$, hot pressing prep., elec. and photoelec. props. 2−5033
$AgTaO_3$, hot pressing prep., elec. and photoelec. props. 2−5033
MnZn ferrites, phys. props., pressing press. effect 2−8848

hot rolling
wide-strip hot rolling mill process computer control *(French)* 2−23792
Al reversing hot rolling mill process computer control 2−23794

hot shortness *see brittleness*

hot strength *see tensile strength*

hot working
see also hot rolling
No entries

hotplates
No entries

household appliances *see domestic appliances*

hue *see colour*

Hugoniot diagrams *see equations of state*

human engineering *see ergonomics*

human factors
see also biocybernetics; ergonomics; man-machine systems
aircraft cockpit colour CRT display technology 2−3560
aircraft control display, analysis and design using optimal control model of human pilot 2−3551
detection and diagnosis of failures, conf., Roskilde, Denmark (Aug. 1980) 2−18961
driving simulator for objective evaluations of physically handicapped drivers 2−17325
electronic mail 2−16108
electronic mail user interface design philosophy 2−16107
electrostatic discharge protection, review of factory control and relevance to IC manufacture 2−8299
ESCOM system control and load dispatch system, assembly phase experience 2−3941
fault diagnosis in maintenance tasks, Adaptive Computer Training System 2−18909
French nuclear safety policy, human factors significance, lessons learned from Three Mile Island *(French)* 2−23054
general-purpose system for simulating and training complex diagnosis and troubleshooting tasks 2−18908
home working with remote terminals, prospective benefits and pitfalls 2−6608
integrated display/printer equipment for the office of the future 2−16869
nuclear power plant safety, human factor considerations *(French)* 2−23056
nuclear power plant safety, human factors influences anal. *(French)* 2−23027
nuclear power plant simulators, human factors design of instructor's console 2−23033
nuclear power plants, human factors engineering 2−12342
office automation systems 2−16105
problem diagnosis training, role of computers 2−18907
PWR design for optimum safety incorporating the human factor *(French)* 2−23055
SCAT, System Control Analysis and Training tool for communications networks 2−18910
telephone directory enquiry system, computerised, British Telecom field trial 2−16059
text communication acceptability field expt. 2−21475
Three Mile Island, reported human error factor, a counter argument *(German)* 2−17834
Wald's sequential sampling technique, classification of inspectors by sensory tests 2−24005

human-machine systems *see man-machine systems*

human relations *see social and behavioural sciences*

humidity
see also atmospheric humidity; hygrometers
balance sensitivity influence, double knife-edge type 2−26973
ion chamber, A-150 walled, sensitivity to air humidity 2−3403
PCB, high moisture environments effect on insulation, filamentary growth 2−14373

humidity control
sensors for greenhouse climate control 2−17174

humidity measurement
see also hygrometers
humidity effects on optocouplers 2−17185
IC modules, sensor for humidity testing *(Hungarian)* 2−23995
IC packages, water vapour content meas. using derivative IR diode laser spectroscopy 2−14938
microprocessor-based transducer charact. *(German)* 2−11475
multifunctional ceramic sensors: humidity-gas sensor and temperature-humidity sensor 2−22240
relative humidity monitoring using microcomputer and thermistor transducers 2−16794
sensor, using Al_2O_3 dielectric *(German)* 2−11428
sensors for greenhouse climate control 2−17174
solid-state dew-point sensors 2−11673
thick film sensors, Du Pont compositions appl. 2−24833
transducer types, based on meas. solution resistance, dielectric or dew point changes *(Dutch)* 2−11432
transducer using HF quartz piezoelements with sorption coating, non-linearity control 2−5875
Valvo capacitive humidity sensor, for domestic use 2−22230
AlO_2 capacitor type humidity transducer, technical details and performance *(German)* 2−17183
$Ba_{0.5}Sr_{0.5}TiO_3$ multifunctional ceramic temp.-humidity sensors 2−22240

h.v. engineering *see high-voltage engineering*

hybrid computer methods *see hybrid simulation*

hybrid computers
No entries

hybrid integrated circuits
see also beam-lead devices; flip-chip devices; microwave integrated circuits
12 GHz receiver with a self-oscillating dual gate MESFET mixer 2−19866
120 channel HV regulator, DATEP, for gamma detector photomultipliers 2−17310
abrasive trimming technology for hybrid components 2−14541
accelerated life testing *(Polish)* 2−1069
active thin film RC filters, CAD *(Hungarian)* 2−24596
AD293/4 hybrid isolation amplifier using thick film transformer 2−1068
assembly, ceramic chip capacitor mass tinnning using vapour phase reflow process 2−14543
automated die and wire bonders, for hybrid circuit production 2−9338
automatic production system for circuit boards with universal hybrid integrated circuits 2−1071
automatic production techniques *(German)* 2−5491
automatic routing system for single-layer printed wiring boards 2−24778
automobile electronics, using hybrid circuits *(German)* 2−28193
automotive electronics market in Europe, appl. of hybrid ICs 2−5492
chip attachment resins, Ag-loaded, Ag^+ ion migration, expt. anal., effect on cct. reliability 2−5495
chip carriers mounted on large thick film multilayer boards 2−1077
circuit layout CAD, review 2−5068
condensation soldering facilities, ionic residue measurement and control 2−14542
custom circuits, specification, design and simulation 2−9679
custom LSI and hybrid IC reliability model weighting 2−5497
design and manufacture, correct assembly techniques 2−1028
encapsulants, moisture protection screening test 2−24847
fine-line metallised ceramics, process improvement 2−24841
function generator, programmable analogue, based on multiplying D/A convertors 2−24444
functional laser trimming of automotive electronics 2−1072
high density packaging technology, chip and wire multichip package 2−23992
high-intercept-point mixer conquers distortion, stretches dynamic range 2−5154
high-reliability active chips micropackaging techniques for space electronics components 2−1080
hybrid/thickfilm construction, advantages over conventional PCB for SSR and I/O convertors 2−9333
Intersil ICH 8515 hybrid power amplifier for motor control *(French)* 2−736
IR imaging focal plane arrays 2−22270
JFET thick film hybrid IC for severe temp. and radiation environments 2−9337
JFET thick film hybrids ICs, extreme radiation tolerance 2−24846
Ka-band mixer config., low cost, industrial appls. 2−24710
large area hybrid module, for ultrahigh-speed avionics signal processors 2−24843
laser beam wafer processing for hybrid and monolithic IC technology 2−15595
layout CAD, interactive system, mask information and document output 2−20002
leadless ceramic chip carrier attachment using vapour phase soldering 2−14544
leadless chip carriers for hybrid ICs 2−14539
LF active filter hybrid IC synthesis 2−24607
market forecasts and solns. for special appls. *(German)* 2−14536
metallised ceramic polyimide 2−24842
microelectronics, conf., Tokyo, Japan (May 1980) 2−5
microelectronics interconnection overview 2−14371
microelectronics symposium, Starkville, MS, USA (May 1981) 2−8154
microwave thin film circuits, Ti-Pt-Au metallisation bondability problems 2−24845
MISHA computer-aided layout program for thick-film substrates, interactive system 2−20001
multi-layer substrate, fine pattern form, combination of thick-film dielec./thin film conductor, photolithography 2−20003
nondestructive IR inspection of hybrid microcircuit substrate-to-package thermal adhesive bonds 2−1076
operational amplifiers, advantages for particular appls. 2−13975
packages, weld and solder seam nonuniformity detect. using holographic matched filtering and electronic processing 2−14535
packaging requirements for hybrid circuits for military appls. 2−9332
planar MIC technology, design and meas. techniques, problems *(German)* 2−947
plasmatron high-rate sputtering methods and appls. in microelectronics, hybrid microelectronics and electronics 2−19450
polyimide resin, solvent-soluble type, hybrid IC appls. 2−19998
porcelain-coated-steel electronic substrates, composition and props. 2−5487
porcelainized-steel-substrate hybrid cct. module, design, construction and evaluation 2−5496
Precision Monolithics Buf-03, monolithic voltage follower, appl. to unity gain buffer 2−852
printed circuits having hybrid IC and IC elements, thermal analysis *(Hungarian)* 2−19970
radio receiver monitor for low band VHF FM 2−24838
RC active filters for hybrid thick film implementation, design and evaluation 2−828
RCA porcelain coated coated steel substrates for thick film hybrid ccts., optimisation 2−5488
RCA porcelain-coated steel substrates, characterisation of thick-film compositions 2−5489
RCA porcelain-coated steel substrates, fabrication of large-area thick-film hybrid ccts. 2−5490
reliability improvement, through preencapsulation cleaning process 2−24844
reliability of hybrid circuits *(Italian)* 2−1075
RF amplifiers, using thick film hybrid ICs 2−9002
signal divider, for VHF and UHF receiver distrib. systems 2−16397
stacking method employing metallized tape 2−23998
STIC technology, monolithic approach for combining Ta and Si technologies 2−25293
strip line circuits design 2−14289
techniques and appls. 2−9331
technology 2−5322
technology status in India, role of chip capacitors and miniature packages 2−14538

hybrid integrated circuits continued
technology trends, growth of industry in India 2—14537
telecommunication appls. *(Italian)* 2—5483
Tencor Instruments Sigmascan, surface and film thickness profiler for hybrid IC production 2—11622
testing for microscopic leaks, during production 2—20006
thick conductive film form, by firing in air, use of base metals, appls. 2—19999
thick film, manufacture at RIFA 2—24837
thick film and thin film technology advances 2—5480
thick film capacitor materials of powder-glass binary system, dielec. props. 2—20004
thick film circuits, substrate carrier system development 2—1074
thick film circuits for telecommunications equipment 2—1054
thick film circuits with interactive system, layout protection *(Italian)* 2—1059
thick film component technology, book 2—13
thick film hybrid IC amplifier for press. transducer using low TCR resistor pastes 2—20000
thick film hybrid microelectronics instruction course at Alfred State College, NY, USA 2—9336
thick film hybrid technology, economics 2—24848
thick film hybrids, solder attachment of leaded components 2—24851
thick film microelectronics laboratory at Virginia Polytech. Inst., industrially-sponsored program 2—9335
thick film technology, appls. *(German)* 2—20005
thick films hybrid industry, paste manufacturer's view 2—24849
thick-film and thin-film technology 2—5494
thick-film hybrid-circuit technology 2—14531
thin film, plasmatron sputtered system for hybrid circuits 2—14530
thin film metallisation processes on ceramic substrates for MIC appls. 2—5493
thin-film, throughplatings testing and reliability *(German)* 2—9334
Ti-Cu film, elec. resist. and impedance 2—20007
top surface divider for modules allowing different types of mounting configurations of chips 2—24840
ultrasonic Al wire bonding to thick film Cu conductors 2—9342
voltage regulator for automobiles 2—19538
wideband 140 MHz submarine cable repeaters appl. *(Japanese)* 2—21721
Ag alloy thick film conductors, Ag^+ ion migration, expt. anal., effect on cct. reliability 2—5495
Au conductor pastes for high density ccts. 2—24830
Cu thick film microcircuits, environmental effects 2—1063
GaAs FET, hybrid and monolithic broadband low-noise-and-power amplifiers using feedback techniques 2—5350
Ni resistors, electroless-plated on insulated metal substrate technology for power hybrid ICs 2—1073

hybrid reactors
fusion hybrid reactor for nuclear fission power station fuel prod. 2—7622
fusion-fission hybrid blanket, potential for critical configuration achievement 2—3881
fusion-fission hybrid blanket, potential for critical configuration achievement 2—7690
fusion-fission hybrid reactor design studies, overview 2—3860

hybrid simulation
aerospace engine peformance, recovery from failure in twin engine augmentor wing aircraft 2—22607
convertor-fed AC drives *(German)* 2—4112
current fed asynchronous machines, hybrid simulation 2—4129
electric power system monitoring and control, hybrid simulation 2—22857
heavy starting large synchronous motors, hybrid computer simulation 2—12603
power system peak shaving and regulation by batteries 2—17656

hydraulic control equipment
see also hydraulic motors
electrohydraulic servovalve modelling *(French)* 2—7959
electron beam exposure sytem, positioning stage driven by hydraulic cylinder 2—14522
flight control, dual input actuator for fluidic backup 2—17491
flight simulators for pilot training, use of hydraulic servos 2—22609
hydraulic turbine governor, predicting the stability of regulation 2—7753
industrial robots hydropneumatic drives improvement 2—23660

hydraulic motors
No entries

hydraulic systems
automatic control of frequency and active power using electrohydraulic controls *(Polish)* 2—22814
diesel-electric locomotives transmission control *(Russian)* 2—28170
pump control economics in the range 10 kW to 30 kW *(French)* 2—23168
steam turboset control and safety system features, effects on reliability and safety 2—23953

hydraulic turbines
395 MW turbine with pneumatically operated modulating control valve 2—18056
715 MW turbines for Itaipu hydroelectric station, design features 2—23165
appropriate technology for small turbines 2—27794
bulb turbine computed stresses and natural frequencies comparison for design *(German)* 2—23167
bulb units geared for higher powers 2—12528
efficiency, starting torque and prevention of run-away with Wells self-rectifying turbines 2—23175
flow through draught tubes, equations and iterative calc. procedure for case of turbine shutdown *(Croatian)* 2—7749
flowmeter with turbine transducers, well-type 2—16957
Francis-type, reversible, design, for use in pumped storage power plants *(Italian)* 2—23191
governor, predicting the stability of regulation 2—7753
improvement in the transient response/ of a hydrosystem/ by compensation/ and stabilising signals 2—3957
Kaplan and Francis turbines, cost anal. 2—3960
low head, generic performance of small scale tidal power plants 2—27814
modernisation of the guide bearings of the turbines in the Chirchik hydroelectric cascade, USSR *(Russian)* 2—23162
progress in the construction of large hydraulic power generators *(German)* 2—27780
reverse running centrifugal pumps as hydraulic power recovery turbines for seawater reverse osmosis systems 2—28313
reversible multistage pump-turbine bladed diffuser conveyor flow behaviour anal. *(Italian)* 2—23192

hydraulic turbines continued
small hydro plants using pumps as small turbines 2—27799
tidal power, turbine caissons for the Severn barrage 2—23187
vertical axis water turbine for extracting energy from rivers and tidal currents 2—12533

hydroacoustics *see underwater sound*

hydroelectric power stations
see also dams; hydraulic turbines; pumped-storage power stations; tidal power stations; water supply; wave power generation
5 MW and below, small hydro schemes for private developers, USA 2—27793
72 MW hydroelectric power plant mounted on river barge *(French)* 2—27803
500 kV disconnecting switch insulation, elec. strength evaluation 2—18390
715 MW turbines for Itaipu hydroelectric station, design features 2—23165
1300 MW hydroelectric installations, vibration and power swings, measures 2—3958
analysis of a small scale rural hydropower unit 2—7764
analytical treatment of hydro units with random energy in stochastic production simulation 2—23164
application of induction generators to micro-hydel units 2—27790
appropriate technology for small turbines 2—27794
automating hydro powerplants 2—18052
automation of existing hydroelectric power stations within the framework of their modernisation *(French)* 2—23160
centralised computer supervision and control for hydroelectric power systems 2—12531
Chibro power station, generator bearing failure 2—18051
circular underground powerhouse for USA's Kerckhoff 2 hydroelectric project, design 2—12525
Columbia river hydroelectric project construction problems, USA 2—3962
complex of operations for increasing reliability of hydraulic turbogenerator units of the AT-Bashinsk hydroelectric power plant 2—12532
computer-aided evaluation of Peru's hydropower. I 2—23166
construction of Namorona hydraulic power plant in Madagascar 2—27800
construction on Neckar river *(German)* 2—12523
daily operation regime calculation model and program optimisation *(Rumanian)* 2—3956
development of low power hydroelectric sites 2—7760
diagnostics and improvements in the reliability of systems of group control of active power of hydroelectric stations *(Russian)* 2—23163
electric power production development, hydroelectric and thermal power stations mix effect on costs *(Slovenian)* 2—27357
energy crisis and small hydroelectric power stations *(Italian)* 2—27784
environmental effects assessment 2—27783
estimating hydro station costs 2—12527
existing water retaining dams as giant energy reserves *(German)* 2—12524
farm scale hydroelectric power below 50 kW, New Zealand 2—27778
future of hydropower in the United States 2—7758
Globocica hydropower plant in Yugoslavia, dynamic phenomena, analogue simulation *(Croatian)* 2—27782
groups, centralised control system, GRAM *(Russian)* 2—27787
hydraulic production hypotheses determ. using Niagara model for system surveys *(French)* 2—3955
hydraulic resonance in hydropower plants with surge tanks, computing technique 2—27802
hydraulic turbine generator, asynchronous operation anal., math. model *(Russian)* 2—3963
hydropower planning in USA, ecological aspects 2—18057
identification, nonlinear state-affine methods, appls. 2—7592
induction generators for small hydro plants 2—27921
isolated operation anal. by frequency measurements and simulation studies *(German)* 2—27801
joint Rumanian-Bulgarian hydro project construction aspects 2—7756
large hydrothermal power systems, economic operation 2—17662
large scale hydro-thermal system generation expansion planning, optimisation-simulation technique 2—17682
Lotru-Ciunget, reactive power consumption *(Rumanian)* 2—27781
low head hydroelectric power generating systems, cost effectiveness 2—7763
maintenance cycle economic improvements *(Russian)* 2—27786
measuring rock stress for hydro projects 2—18053
micro hydropower in the USA, development trends 2—27796
mini-hydro projects, activities in United Kingdom 2—27779
model studies of an over-topped rockfill dam 2—12526
modernisation of the guide bearings of the turbines in the Chirchik hydroelectric cascade, USSR *(Russian)* 2—23162
Nepal energy planning 2—22990
net energy ratios for small-scale hydroelectric power and comparison with other technologies 2—27785
open wheel pit type, upgrading 2—3961
optimal management *(French)* 2—18064
optimum load scheduling of nuclear-hydro-thermal power systems 2—22863
optimum size of small run of river plants, tropical river regions and less developed countries 2—27797
parallel operation with asynchronous machines in distribution network *(German)* 2—23161
perspective of hydro in the USA 2—3959
power in the maritimes and Atlantic Canada 2—27597
power system problems associated with low head hydroelectric units 2—7761
process computer control systems 2—3964
production schedules, short-term plans, computer simulation 2—3954
Qattara hydroscalar project, Egypt 2—12530
random search techniques for hydropower planning 2—7751
sedimentation control in Indian reservoirs 2—18054
selecting number of units, economic criteria 2—7755
small, rural power schemes in Pakistan 2—27791
small and low-head hydro in the USA 2—27792
small hydro engineering technology, current status and future developments, USA 2—7759
small hydro plants using pumps as small turbines 2—27799
small hydro stations in Sweden 2—27798
small hydroelectric projects, cost effectiveness estimation 2—18055
small hydropower resources, environmental and ecological issues 2—3965
small scale, for developing countries 2—12534
small scale hydroelectric power development, institutional and regulatory relationships 2—7762

hydroelectric power stations continued
South America, present state and future trends 2−7757
South America, utilisation of water-power *(German)* 2−12522
spillway for India's Ukai dam, 300 MW multi-purpose hydro project 2−12529
Thailand's national energy plan 2−22987
turbogenerator rotor balancing method *(Russian)* 2−27789
villge microhydro development trends 2−12535
water jet ejector installation and operation at Chirkeisk hydroelectric power plant *(Russian)* 2−18062
water level control for small hydro plants 2−27795
water use reduction to produce cost savings *(Russian)* 2−27788
H_2 storage, biomass, solar energy system for agriculture, drinking water and hydroelectric power 2−18058

hydrogen distribution *see hydrogen economy*

hydrogen economy
alternative energy sources, conf., Miami Beach, FL, USA (Dec. 1980) 2−3986
liquid H_2 as automotive fuel, storage and refueling 2−4434
military-vehicles using H_2 fuel cells 2−18459
OTEC fed fuel cells and hydrogen technology 2−7785
solar hydrogen plantations for hydrogen production, feasibility and economics for replacing fossil fuels 2−27836
technology developments, production, storage and transportation 2−12334
H_2 fueled automotive vehicles, fuel cell substitution for internal combustion engines 2−7987
H_2 production by water electrolysis with photovoltaic solar energy conversion 2−28108
H_2 storage, biomass, solar energy system for agriculture, drinking water and hydroelectric power 2−18058
H_2O electrolysis, gas evolution, bubble behaviour, gas fracture and electrolyte resist. 2−18417
H_2O photoelectrolysis using composite semiconductor photoanode 2−28080
$LaNi_5$ hydride device for minimising laboratory H_2 hazards 2−59
Mg-Ni hydrides effective thermal conductivity measurements under conditions of 200°C and 40 atm. press. 2−26982

hydrogen energy *see hydrogen economy*

hydrogen power *see hydrogen economy*

hydrogen production *see hydrogen economy*

hydrogen storage *see hydrogen economy*

hydrogen transmission *see hydrogen economy*

hydrological techniques
acoustic surveys quantifying system, freshwater fisheries appl. 2−27291
EM probing, appl. to injected fluid flow monitoring 2−7440
glacier beds sounding, detailed study using radio-echo techniques 2−7441
groundwater exploration in Sudan, via combination of elec. resistivity, seismic refr. and gravity meas. 2−17564
groundwater exploration in Taoyuan-Chungli area, N Taiwan, geoelectrical investigation 2−12083
hydrometeorological data, remote transmission and processing *(Italian)* 2−16190
nitrates determ. in sea and fresh water, improved reduction column method 2−3619
permittivity of solid and water mixtures, using evanescent waveguide technique at 9 GHz 2−26938
snow cover meas. in mountainous area by gamma-ray surveying 2−17573
soil moisture estimation, appl. of aircraft active microwave meas. 2−3622
soil moisture microwave remote sensing, dielec. const. depend. on H_2O content 2−17179
soil moisture remote sensing using side looking radar 2−12085
temperature measurement, appl. of distant-reading thermometer 2−3610

hydromagnetic waves *see magnetohydrodynamic waves*

hydromagnetics *see magnetohydrodynamics*

hydrometers
see also density measurement
No entries

hydrophones
see also sonar
acoustooptic hydrophone, overview of fibre optic sensor systems 2−1716
calibration at low frequency, under hydrostatic pressures 2−17607
continuous waves generated by focused radiators 2−22249
digital deep-towed hydrophone array 2−16524
fibre-optic accelerometer with hydrophone appls. 2−5989
fishing gear computerised instrumentation 2−27297
interdigital transducer for operation at liquid-solid interface 2−17601
line array in shallow water for range and depth estimation 2−6864
matched impedance, electrostatic approach to hydrophone design 2−12108
miniature ceramic ultrasonic probes, design, construction and performance 2−22759
piezoelectric polymer flexural plate hydrophone, mathematical model 2−17600
polymer-ceramic composites for hydrophones, fabrication and interphase connectivity 2−19457
polyvinylidene fluoride membrane, for use in 1-100 MHz range, characts. 2−17597
pulsed US field intensity meas. using miniature hydrophone calibrated by simplified technique 2−17603
seismology, device for calibration of seismic streamers and air guns 2−22715
seismometer operating on sea floor, S/N ratio at low freqs. 2−17541
sonar array transducer and hydrophone design and construction 2−26551
US hydrophone probes, piezoelec. polymer sensitive element, design and calibration 2−12111
$Pb(Zr,Ti)O_3$-polymer composite, high freq. appl. 2−22755

hydrophotometers *see photometers*

hydrostatics
hybrid electric vehicles, hydrostatic braking and flywheel systems 2−18721

hydrothermal crystal growth *see crystal growth from solution*

hygiene
see also medicine
PC technology, ion chromatography appls. environmental anal., industrial hygiene and process control 2−5425

hygrometers
see also humidity measurement
greenhouse climate control, humidity sensors 2−17174

hyperfine structure, molecular *see molecular hyperfine structure*

hypersorption *see sorption*

hypochromism *see light absorption*

hypothesis formation *see heuristic programming*

hysteresis
see also coercive force; control nonlinearities; dielectric hysteresis; magnetic hysteresis; remanence
analogue timer as digital comparator with hysteresis 2−14193
bistable optical device using semiconductor laser diode and photodetector 2−2003
detection cct. for switching circuits 2−11605
line receiver hysteresis testing, ramp-sample-hold technique 2−26954
semiconductor buried heterostruct. laser with segmented contact, bistability and neg. resist. 2−25771
SQUID, single-contact, in hysteresis operation, input impedance 2−25454
TE ion chambers model IC-17 for dose meas., calibration constancy 2−17273
GaAs-GaAlAs diode laser, multiple segment stripe contact, effect of non-uniform current 2−1963
n-InAs, magnetoresist. hysteresis in elec. field 2−9440
Te-amorphous Se:Te-amorphous Se-Al, p-i-n semicond. diodes, negative resist. characts. and hysteresis effect 2−14662
ZnS:Mn electroluminescent devices, thin-film, memory 2−6111

hysteresis motors
1 HP ferrite hysteresis motor with 1-phase and 2-phase excitation, performance evaluation 2−18286
semi hard mag. materials, digital simulation of hysteresis processes 2−18282
small, instrumentation, performance and numerical simulation of behaviour 2−18284

I-II-VI_2 semiconductors *see ternary semiconductors*

I-III-VI_2 semiconductors *see ternary semiconductors*

I/O programs *see input-output programs*

IC *see integrated circuits*

IC engines *see internal combustion engines*

iconoscopes *see television camera tubes*

identification
see also control theory; correlation methods; frequency response; modelling; parameter estimation; simulation; state estimation
algebraic equation systems, identification of essential variables by applying Gauss-Jordan elimination 2−155
communication cable production, control synthesis *(Czech)* 2−24748
computer models, sensitivity analysis, statistical approach 2−19134
deterministic systems, identification techniques 2−178
finite mixtures of distributions 2−13471
fuzzy system, identification and appls. 2−19183
general formulation of identification problem for objects and phenomena 2−13417
internetwork power flow calc. and identification programmes *(Russian)* 2−12208
linear differential equations structural problems 2−183
linear programming simplex algorithm 2−19253
LVMP relaxation anal. 2−19252
Markov chains, singular perturbation approach to modelling and control 2−263
microprocessor chips identification, using interrogation technique *(Italian)* 2−19708
multimachine system, coherency identification and equivalents for transient stability studies 2−7499
parameter identification from impedance measurements on electrochemical reactions 2−22350
personal signature method 2−2315
plasma etching for semiconductor masking 2−25323
power plant appls. of nonlinear state-affine identification methods 2−7592
power system disturbances, coherent generators identification using frequency response 2−3691
power system dynamic fit and equivalent optimal control using system identification method *(Chinese)* 2−7467
power system state estimation, detection and identification of multiple bad data 2−27394
prediction-error identification methods 2−4919
program package for identification and operative analysis of power flows in intersystem sections of power interconnections 2−3676
spacecraft systems, fault detection, identification and reconfiguration 2−22645
thermal power plants, statistical identification and optimal control 2−27722
thin inorganic film formation 2−19992
turbogenerator, laboratory model, indirect identification and control 2−7811

IETS *see tunnelling spectra*

IEXE *see ion microprobe analysis; X-ray chemical analysis*

i.f. amplifiers *see intermediate-frequency amplifiers*

i.g.f.e.t. *see insulated gate field effect transistors*

ignition
see also electric ignition
K580 microcomputer-based control system *(Russian)* 2−3888
oil-fired boilers, burner stabiliser with through-the-hub ignition 2−23080
RF ignition hazards review 2−13247
road vehicle ignition systems as noise surfaces, VHF man-made radio noise, amplitude meas. 2−11608

ignitrons *see mercury arc rectifiers*

II-III_2-VI_4 semiconductors *see ternary semiconductors*

II-IV-V_2 semiconductors *see ternary semiconductors*

II-VI semiconductors
CdS/NaI.3.3NH_3 junction, photoelectrochem. behaviour, solar energy conversion utilisation 2−7964
film, vacuum evaporated, optical consts. determ. with optical waveguides 2−9962
MBE, review of European developments, 1979-80 2−8814
organometallic growth, of II-VI compounds 2−570
self-compensation, review 2−9430
Au/ZnSe:Mn/n-GaAs, MBE DC electroluminescent cell with very low threshold voltage 2−10163
(Cd,Zn)S-Cu_2S thin-film high-efficiency solar cells, development 2−23583
$Cd_{0.2}Hg_{0.8}Te$, surface treatment effect on photosensitivity spectral distrib. *(Russian)* 2−15386

II-VI semiconductors continued
p-$Cd_xHg_{1-x}Te$, elec. cond. in strong microwave elec. field, 77 to 300K 2−20081
$Cd_xHg_{1-x}Te$, growth by MOVPE and characterisation 2−4994
$Cd_xHg_{1-x}Te$, magnetophonon reson. of nonequilib. carrier density 2−5563
$Cd_xHg_{1-x}Te$, molecular beam epitaxy on CdTe 2−580
$Cd_xHg_{1-x}Te$ photodiodes, 8-14 μm range, doping influence 2−10142
$Cd_xHg_{1-x}Te$, photosensitivity spectrum, influence of Gaussian diffuseness 2−6082
$Cd_xHg_{1-x}Te$, photothermomagnetic effect in mm and submm ranges 2−6091
$Cd_xHg_{1-x}Te$, resist. and Hall coeff., 4.2 to 30K 2−20082
$Cd_xHg_{1-x}Te$, VPE using organometallics elec. props. and charact. 2−584
CdS, acoustoelectric currents, nonlinear, during US carrier injection 2−20084
CdS, anisotropic cond. after plastic deform. and cond. along dislocations 2−24985
CdS based photosensitive sandwich structs., series equivalent circuit parameters *(Russian)* 2−15385
CdS, biexciton states, real and virtual, Raman, fluoresc. and radiative recomb. spectroscopy 2−24972
CdS crystal, degenerate six-photon interaction, optical bistability and hysteresis 2−20968
n-CdS crystals, annealed in Cd or In, elec. cond. props. 2−24970
CdS doped piezosemicond., sound absorpt. *(Russian)* 2−1191
CdS, electroacoustic interaction, efficient nondegenerate 2−1187
CdS film, chemically sprayed, struct. and electronic props., solar cell appl. 2−5567
CdS, film, elec. props. rel. to struct. and comp. 2−24967
CdS film, n-n junction system 2−5551
CdS film, reversible switching of residual cond. by a gas-vapour pulse 2−9442
CdS film exhibiting residual cond., lux-ampere charact., superlinearity 2−1791
CdS films, grown on faceted (111)InP substrates, small angle grain boundaries 2−1179
CdS, ionic processes occurring under combined action of illum. and elec. field 2−20719
CdS laser screen charact., dislocation influence 2−20867
CdS, local states US ionization, sonolum. and acoustoelastic current 2−20732
CdS, luminescence, time-resolved picosecond, at high excitation 2−25592
CdS photocell, cathodolum., photolum. and SEM studies 2−25617
α-CdS preparation by thermal and plasma-conversion of Cd 2−24315
CdS, single cryst., two-phase annealing, elec. resist. meas. 2−5554
CdS single crystals, growth by vapour-phase hydrogen transport 2−24274
CdS single crysts., evaporation and formation of negative whiskers 2−19401
CdS single crysts., photoinduced processes, ageing and annealing effects 2−15371
CdS solar cell, polycrystalline thin film, liquid junction, performance eval. 2−7963
CdS solar cells, min. photovoltaic module cost projections, realistic comparison 2−23535
CdS thin films, elec. props., effects of H_2 adsorption 2−14656
$CdS:Al_2O_3(SnO_2)$ coating prep. by spray pyrolysis, solar cells appl. 2−24990
CdS:Cu, Cl, sintered layer photoresistor, photosensitivity deterioration *(Russian)* 2−964
CdS:Cu,Cl, elec. props. and imaging charact. in xerographic mode 2−15383
$CdS:CuCl_2$, baked layers, effects on elec. and photoelectrical props. 2−14653
$CdS:CuInSe_2$, vacuum deposition of $CuInSe_2$ on CdS, experimental methods 2−23457
n-CdS:Te, semiconductor photoelectrodes, luminescence, photocurrent 2−12763
-CdS:Te luminesc. photoelectrochem. electrode, multiple emission and excited state communication 2−4323
CdS/CdTe solar cells, screen printed, technology developments *(Japanese)* 2−4351
CdS/Cu_2S sintered solar cells, controlled annealing of sintered C dS layer effects on photovoltaic performance 2−8006
CdS/p-Ge junction, admittance with deep impurity levels, space-charge anal. 2−9479
n-CdS/p-Si solar cells, heterojunction, characterisation 2−23459
CdS-Al, electronic barrier charact., time-resolved charge injection 2−5629
CdS-Au Schottky barrier solar cell, Ta_2O_5 antireflection coating 2−18475
$CdS-CU_2S$ photovoltaic cell crystallographic anal. using SEM and EBIC mode 2−18510
CdS-CdSe(CdTe) solid-phase substitutional heterostructs., photoresponse 2−5615
CdS-CdTe thin-film backwall illuminated heterojunction solar cells, spray pyrolysis prep. 2−23592
$CdS-Cu_2S$, solar cell, depth profiling, XPS and AES 2−4347
$CdS-Cu_2S$ solar cell prep. by organometallic CVD, preliminary stage 2−23587
$CdS-Cu_2S$ solar cells, window layer deposition 2−23455
$CdS-Cu_2S$ solar cells, CdS film fabrication by chemical spray deposition-ion exchange process 2−23586
$CdS-Cu_2S$ thin film heterojunctions, photovoltaic properties 2−20131
$CdS-Cu_xS$ thin-film heterostruct. solar cell, struct. and phase studies by X-ray diffr. 2−23585
$CdS-Cu_xS$ ungridded solar cell material, defect detect. by laser scanning 2−23584
$CdS-CuIn_yGa_{(1-y)}Se_{2z}Te_{2(1-z)}$ heterojunction solar cells prep., RF sputtering technique, charact. 2−23590
$CdS-CuInSe_2$ thin-film high-efficiency solar cells, development 2−23583
CdS-electrolyte junction, flat band pot., electroreflectance study 2−9524
CdS-metal interface, reactive interdiffusion and electronic barriers, reactive interlayer control of Schottky barrier height, photoemission study 2−20136
CdS-Pd diode, H sensitivity, substrate effect 2−9618
CdS-S coevaporated thin film prep. and cryst. props. 2−19440
$CdS_{0.5}Se_{0.5}$, multi kV picosecond optoelectronic switching 2−6107
CdS_xTe_{1-x}, preparation and properties for graded band gap solar cells 2−5027
CdS_xTe_{1-x} solar cells, graded band gap, numerical model for photogenerated carriers distribution determ. 2−8003

II-VI semiconductors continued
CdS_xTe_{1-x} thin film solar cells graded band gap, preparation and props. 2−8004
$(CdS)_x(ZnS)_{1-x}$:Cu, Cl, sintered layers, photocond. and acceptor centre levels 2−10122
CdSe based photosensitive sandwich structs., series equivalent circuit parameters *(Russian)* 2−15385
CdSe doped piezosemicond., sound absorpt. *(Russian)* 2−1191
CdSe, epitaxial film, surface state charging during NO_2 adsorption 2−20083
CdSe, film, elec. props. rel. to struct. and comp. 2−24967
CdSe, luminescence, time-resolved picosecond, at high excitation 2−25592
CdSe, noncritically phase-matched, tunable coherent 16 μm radiation by difference freq. mixing 2−10271
CdSe, photoanodes, photoelectrochemical cells, energy storage 2−12764
n-CdSe photoanodes, protection with photoelectrochemically generated polypyrrole films 2−25156
CdSe photoconductive thin film, photopotentiometers, heat treatment, anal. and charact. 2−20742
CdSe photoelectrochemical solar cells with polycrystalline photoanodes, role of disorder 2−4362
CdSe, polycrystalline layers, effect of annealing on elec. props. 2−14654
CdSe sandwich struct. photoresistors, manufacture and elec. props. *(Russian)* 2−1254
CdSe single crystals, specific cond. meas. by capacityprobe *(Russian)* 2−26934
CdSe solution grown films, optical and photoconducting props. 2−25582
CdSe thin film, chemically deposited, for photoelectrochemical cells 2−19423
CdSe thin film anodes, photoelectrochem. charact. 2−5648
CdSe thin film electrodes for photoelectrochemical cells, props. 2−12768
CdSe thin film electrodes for backwall photoelectrochemical cells 2−12769
CdSe thin film MIS solar cell, characterization 2−23593
CdSe thin film photoelectrochemical cells for solar energy conversion 2−4371
CdSe:Ag, nonequilibrium sensitized, mid IR radiation detector, photocond. 2−6094
n-CdSe/electrolyte interface, electrorefl. spectra, photoelectrochem. solar cell appl. 2−5650
$CdSe/S_x^{2-}$ photoelectrochemical cells, surface etching and morphology effect on stability 2−18409
CdSe-Al, electronic barrier charact., time-resolved charge injection 2−5629
$CdSe-Al_2O_3$ interface states, field effect spectroscopy 2−1243
$CdSe-SiO_2$ interface states, field effect spectroscopy 2−1243
p-CdTe, covered with dielec. films, annealing effects, diffusion phenomena and carrier conc. *(Japanese)* 2−20147
CdTe crystals, wavefront inversion in degenerate four-wave interaction 2−20948
CdTe, crysts., vapour phase growth 2−13807
CdTe detector characteristics for γ dosimetry 2−27213
n-CdTe electrodeposited solar cells evaluation 2−23454
CdTe, molecular beam epitaxy on CdTe (100) and (100) 2−579
CdTe p-n junctions, electrolytically prepared, emission props. 2−1813
CdTe, p-n junctions, LPE grown, injection electroluminescence 2−10123
CdTe p-n junctions quantum and energy conversion efficiency 2−20130
CdTe solar cell fabrication by hot wall vacuum evaporation 2−23591
CdTe solar cells, high efficiency electrodeposited, development 2−28102
CdTe, solubilities in liquid III metals 2−24962
CdTe sputtered thin films, photocond. and photovoltaic effects 2−25581
CdTe, surface polishing by diamond milling 2−25157
CdTe thin film appls. to solar cells *(Slovak)* 2−9437
CdTe, thin films, struct. and elec. props. stoichiometry and prep. condition depend. 2−24956
CdTe thin-film Schottky-barrier solar cells, elec. props., limitations 2−23615
CdTe, transient hot-carrier phenomena, method of moments for anal. 2−24935
CdTe undoped p-type annealed in vacuum, electrical and crystalline props. 2−1189
CdTe:Cl crystals, carrier scatt., Hall effect study 2−14651
CdTe-HgTe(MnTe) ternary mixed alloys for tandem solar cell appls. 2−23596
CdTe-Langmuir film MIS solar cells photovoltaic props. 2−23426
CdTe-ZnSe heterojunction, photo-EMF anomalous mechanism under two-photon excitation 2−14685
(CdZn)S/Cu_2S solar cells, thin-film, polycrystalline 10% conversion efficiency 2−18523
CdZnS-Cu_2S thin film solar cells, Cu_2S and CdS lattice constants mismatch reduction for cell conversion efficiency optimisation 2−18513
CdZnS-Cu_2S thin film solar cells, 10% conversion efficiency 2−20088
$Cd_{1-x}Zn_xS/Cu_2S$ photovoltaic cells heterojunction energy band lineups anal. 2−18515
Cu_x-CdS polycrystalline heat-treated solar cells, atomic absorption anal. and auger depth profiles 2−23547
$Cu_{2-x}CdS$ heterojunctions, photoeffect props. and manufacturing methods *(Russian)* 2−1224
$CuInSe_2$-CdS thin film solar cells, development 2−23548
$Cu_2S/Zn_xCd_{1-x}S$ heterojunction solar cells formed on sprayed $Zn_xCd_{1-x}S$ films, properties 2−18514
Cu_2S-CdS solar cells degradation, lateral diffusion effects 2−23546
Cu_2S-CdS sprayed backwall solar cells for terrestrial appls., reliability 2−23544
Cu_2S-CdS sprayed solar cells, losses 2−23543
$Cu_{2-x}S$-CdS frontwall thin film solar cells, influence of performance of surface props. of $Cu_{2-x}S$ 2−18509
$Cu_{2-x}S$-CdS thin film solar cells with dual impurity distrib. in base 2−23432
Cu_xS/CdS solar cells, characterisation by photocapacitance IR quenching 2−12863
Cu_xS-CdS integrated thin film solar panels fabrication technology 2−18516
GaAs-ZnSe heterojunction interface, LPE conditions effect 2−25066
p-GaSe-n-CdTe heterojunction, photo-emf, I-V charact. *(Russian)* 2−1227
(Hg,Cd)Te photoconductive detector in 3 to 5 μm range, UV irrad. effect 2−10157
$Hg_x Cd_{1-4x}Te$ crystals, electrically and optically active defects 2−1173
HgCdTe, anodic oxide and ZnS passivant films, substrate interaction, XPS and ion sputtering meas. 2−9582

II-VI semiconductors continued
HgCdTe IR detector materials, conf., Washington, DC, USA (April 1981) 2−8137
HgCdTe, large optical nonlinearities and CW degenerate four-wave mixing 2−10359
HgCdTe MIS capacitors, ionising radiation effects 2−14860
HgCdTe photodetector hybrid IR imaging focal plane arrays 2−22270
HgCdTe photovoltaic detector arrays, backside-illuminated, MTF modelling 2−15405
HgCdTe-CdTe epitaxial heterostruct., n-channel MIS CCD fabrication 2−5745
$Hg_{0.7}Cd_{0.3}Te$, photogenerated carrier lifetime meas. using contactless opt. technique 2−9432
$Hg_{0.7}Cd_{0.3}Te$-anodic oxide interface in MOS structure, charge trapping 2−9513
$Hg_{0.8}Cd_{0.2}Te$ bolometer for mm wave radiation detection 2−16991
$Hg_{0.9}Cd_{0.1}Te$, electron freezeout and hopping cond., magnetoresist. and Hall effect meas. 2−1185
$Hg_{1-x}Cd_xTe$ abrupt junction TUNNETT diodes for MM-wave appls., theory 2−19892
n-$Hg_{1-x}Cd_xTe$, bandgap-reson. optical phase conjugation at 10.6 μm 2−15553
p-$Hg_{1-x}Cd_xTe$, deep levels, narrow-band-gap space-charge spectroscopy 2−1175
p-$Hg_{1-x}Cd_xTe$, deep levels, correlation with photodiode performance 2−1176
$Hg_{1-x}Cd_xTe$, detector grade, LPE growth from Te rich solns. 2−8818
p-$Hg_{1-x}Cd_xTe$, electron irrad. and annealed, carrier lifetime and recomb. props. 2−9439
$Hg_{1-x}Cd_xTe$ epitaxial layers, slider LPE growth using Hg press. controlled growth solns. 2−13829
$Hg_{1-x}Cd_xTe$ intrinsic photoconductive IR detectors, two-dimens. effects 2−26849
$Hg_{1-x}Cd_xTe$, LPE 2−19418
$Hg_{1-x}Cd_xTe$, low-temp. thermal expansion 2−5547
$Hg_{1-x}Cd_xTe$, optical phase conjugation in forward and reflective modes 2−10360
p-$Hg_{1-x}Cd_xTe$ photodiode, minority carrier lifetime and recomb. mech. 2−1177
$(Hg_{1-x}Cd_x)Te$ RF sputtered thin films, effect of annealing in Hg vapour on props. 2−5557
$(Hg_{1-x}Cd_x)Te$ RF triode-sputtering film for IR detector arrays 2−9436
p-$Hg_{1-x}Cd_xTe$, slider LPE growth on CdTe substrate 2−8819
In_2O_3-CdSe-VO_2 heterojunctions, optical control of spectral characts. 2−20722
$InSn_xO_y$-Ta_2O_5-ZnS:Mn-Ta_2O_5-Al thin film struct., DC electrolum. 2−25598
$LiNbO_3$-CdSe-metal multilayer struct., convolution signal storage 2−25417
p-PbTe:Ag epitaxial layers, elec. cond. and Hall coeff. 2−24986
PbTe-InSb struct., epitaxial growth by laser evaporation, pulsed heating of substrate effect 2−24304
SnO_2/CdTe photovoltaic cells, prep. and characterisation 2−12874
(Zn,Cd)S:Ag,Cl DC electrolum. powder cell, donor-acceptor recombination luminesc. 2−25614
$Zn_xCd_{1-x}S$-CdTe thin-film backwall illuminated heterojunction solar cells, spray pyrolysis prep. 2−23592
ZnO, annealed sputtered film, DC electroluminescence and photoluminescence 2−1794
ZnO, coadsorbed p- and n-dyes, spectral sensitivity 2−1779
ZnO film prep. by metalorganic CVD from diethyl zinc 2−24326
ZnO films prep. by oxidation of diethyl zinc 2−14640
ZnO, high degeneracy acceptor levels, space charge capacitance and Hall effect data 2−1180
ZnO, highly oriented films, by CVD 2−13846
ZnO luminophores, low-temp. studies on grain-size effect on electro-optical effects 2−24961
ZnO optical waveguide material, VPE CVD technique 2−24305
ZnO, phosphor, self-activated, electroluminescence 2−25608
ZnO sensitised by two dyes, electrophotographic behaviour 2−1785
ZnO, single cryst. prep. by soln. slow cooling and flux reaction technique 2−19398
ZnO, single crystals, electrical properties and non-stoichiometry 2−1183
ZnO small area MSM thin-film sandwich, high-speed photodetection 2−11493
ZnO sputter deposited on Si, SAW storage correlator for signal processing 2−1540
ZnO sputtered thin films, luminesc. props. 2−25591
ZnO, stimulated emission obs. at high one-photon excitation level, UV photolum. 2−20858
ZnO transparent and highly conductive films, prep. by RF reactive magnetron sputtering 2−5009
ZnO varistor, current instability phenomena under continuous AC stress 2−957
ZnO varistors, DC degradation behaviour, current, temp. and time depend. 2−19897
ZnO:DyAg, phosphors, electrolum. and photolum. obs. 2−6103
ZnO-InP heterojunction solar cells, prep. using reactive evaporation, props. 2−8007
ZnO-Pd diode, H sensitivity, substrate effect 2−9618
ZnO-Si SAW device, Sezawa to Rayleigh mode conversion 2−1532
ZnS AC thin film device, electrolum. efficiency, probe layer meas. 2−1815
ZnS crystals, growth from interacting colloids in gels 2−4982
ZnS electroluminescent displays, large area, flat panel, fabrication technology 2−22318
ZnS film, reactively sputtered, electron microscope and Rutherford backscatt. obs. 2−608
ZnS, forward biased MIS light-emitting diodes with thick interfacial layer, physical processes 2−1820
ZnS phosphor powder for electrolum. panels, UV light induced ageing, photoacoustic spectroscopy study 2−6101
ZnS phosphors, luminesc. props., influence of formation temp. 2−25615
ZnS, pure and doped crysts., surface microstruct., impurities effects 2−13805
ZnS sintered layers, photoelectric props. *(Russian)* 2−1786
ZnS:Ag, Cu, Cl phosphor powders, prep. and blue electroluminesc. 2−15399
ZnS:Ce, Cu(Ag), phosphoresence decay and thermolum. study 2−10133
ZnS:Cu, Cl crystal phosphor, localised surface state spectroscopy 2−10132

II-VI semiconductors continued
ZnS:Cu,Nd,Cl film, laser phenomena in direct current electrolum. and cathodolum. 2−10127
ZnS:Cu phosphor, relation between lattice parameter and particle size 2−15397
ZnS:Er thin film, DC electrolum., spectral intensity 2−25600
ZnS:Gd (Cu,Gd)(Mn,Gd), electroluminescent, optical props. 2−20735
ZnS:Mn, Cu DC electroluminescent powder panels, electrical and optical props. 2−26912
ZnS:Mn, Cu DC electroluminescent displays, degradation mechanisms 2−26916
ZnS:Mn,Cu DC electroluminescent devices, LV performance 2−26914
ZnS:Mn,Er thin film, electrolum., mutual interaction between Mn and Er centres 2−25599
ZnS:Mn AC thin film electroluminescent devices 2−26915
ZnS:Mn low-threshold-voltage thin-film electroluminesc. devices utilising ferroelectric $PbTiO_3$ and PLT insulating thin films 2−25634
ZnS:Mn thin film electrolum. device, electrolum. characts. depend. on device parameters 2−20754
ZnS:Mn thin-film electrolum. devices, memory 2−6111
ZnS:Mn thin-film electroluminescent faceplate, for storage CRT display 2−26913
ZnS:Mn-Al contact as part of multilayer electrolum. element, elec. props. 2−20138
ZnS:Mn(TbF_3) AC thin film device, electrolum. mechanism 2−25633
ZnS:$YEuO_2S$ thin film, electrolum. complex centre characts., fluoresc. and time resolved spectra 2−25590
ZnS-$Cu_{2-x}S$ heterostruct., electroluminescence 2−10164
ZnS(Se) transmissive IR materials made by CVD process 2−5024
ZnS_xSe_{1-x}, polycryst., prepared by CVD, struct. and optical props. 2−24329
ZnSe (110) oxidation model based on anal. by 21 eV photoemission spectroscopy, contact-potential difference and AES 2−20202
ZnSe crystals, as-grown from melt, growth and elec. props. 2−20079
ZnSe crystals, effect of heat treatment in Zn, Se, Cd vapour on optical and electro-optical props. 2−5549
ZnSe, heteroepitaxial growth from vapour on GaAs substrates, characterisation 2−13819
ZnSe LEDs, fabrication by Te or S implantation 2−25643
ZnSe, laser window material, stress-optic coeff. at 10.6 μm, Senarmont compensator meas. 2−1675
ZnSe, metalorganic chemical VPE growth, photoluminesc. and Raman scatt. obs. 2−19412
ZnSe single crystals subjected to one-and two-photon excitation, luminesc. and lasing 2−20869
ZnSe single-crystal film laser screens on sapphire, stimulated emission 2−25759
ZnSe:Al, formation of low resist. In contacts 2−14693
ZnSe:ErF_3 thin films, electrolum. 2−15395
ZnSe-electrolyte junction, flat band pot., electroreflectance study 2−9524
ZnTe (110) oxidation model based on anal. by 21 eV photoemission spectroscopy, contact-potential difference and AES 2−20202
ZnTe, CVD growth, open tube method 2−13824
ZnTe film on Si, epitaxial growth model, chem. comp. and interface struct. 2−19411
ZnTe, laser induced O diffusion, photoluminesc. study 2−25141
ZnTe layers on Si, growth by solid-state reactions of Zn and Te layers prep. by ion beam evap., junction props. *(Japanese)* 2−8834
ZnTe single-crystal film laser screens on sapphire, stimulated emission 2−25759
ZnTe-CdSe heterojunction, electron-voltaic effect 2−14686
p-ZnTe-SiO_2-Si hybrid struct., elec. cond. and capacitance 2−14739

III-V semiconductors
amorphous and liquid semiconds., conf., Grenoble, France, (July 1981) 2−23865
carrier velocities, time depend., Boltzmann eqn., iterative soln. 2−24979
chemical etching and cleaning procedures 2−1300
chemical etching and cleaning procedures 2−5691
epitaxial multilayers, vacuum metalorganic CVD 2−13816
$Ga_xIn_{1-x}P$-GaAs heterostructures, luminesc., effect of mismatch between lattice consts. and thermal expansion coeffs. 2−6100
p-GaAlAs, non-alloyed ohmic contacts, using MO-CVD contact layers 2−24296
p-GaAs, photon drag effect, polarisation, spectral and temp. characts. 2−1784
p-GaAs, semiconductor electrodes, laser induced photoelectrochemistry 2−12762
GaAs, temp. and frequency dependence of US attenuation coefficient 2−20077
GaAs photodiode, sensitivity mapping using laser beam scanning equipment *(Slovak)* 2−25620
GaAs shallow-homojunction concentrator solar cells 2−18572
III-III-V-V quaternary layers grown by LPE, thickness calc., appl. to InGaAsP 2−24300
impact ionisation, alloy clustering effects 2−24988
integrated optoelectronic devices, recent trends for fibre communications 2−25544
interfaces with thermal and anodic oxides, chem. comp. and form., review 2−5700
ion implantation, recent advances 2−25152
IR detector materials, conf., Washington, DC, USA (April 1981) 2−8137
laser processing research at Texas A&M University 2−9543
layered semiconductor structures and heterostruct., hot electron and phonon effects 2−14675
liq. phase electroepitaxial growth, new approach 2−8811
material design for electronic devices used under unusual conditions *(Japanese)* 2−5548
MBE, advantages over other growth technologies 2−24308
MBE, review of European developments, 1979-80 2−8814
MBE technology, review 2−13831
MO-CVD, in halogen transport systems 2−5016
MO-CVD process, chem. mechanisms for cryst. growth using coordination compounds 2−5020
n^+/p^+ tunnel junction, MBE, ohmic contact for cascade solar cell 2−4345
optoelectronic III-V semiconductor crystal growth in laboratory 2−24306
optoelectronic matrix switch using InGaAs/InP heterojunction switching photodiodes 2−1801
photocathode with neg. electron affinity, photoelectron spectra 2−9355

III-V semiconductors continued
solid-state gyrotron oscillator for MM and sub-MM wavelengths, nonlinear anal. 2−19893
stimulated Mandel'shtam-Brillouin scatt. threshold lowering 2−10354
superlattices obtained by MBE, electronic properties *(French)* 2−14637
surface overlayers detection and minimisation using spectroscopic ellipsometry 2−11646
surface passivation, elemental group V deposits in native oxides, surface refl. Raman scatt. detection 2−9580
AGaAs-GaAs heterojunction, selective dry etching 2−14787
(Al,Ga)As DH injection laser with asymm. gain distrib., computer model 2−25786
(Al,Ga)As epilayers, and DH lasers, minority carrier lifetime and luminescence 2−5555
(Al,Ga)As, use of sapphire liners to eliminate edge growth in LPE 2−4996
(Al,Ga)As/GaAs heterostructures, modulation doped, current transport and high speed FET appls. 2−9651
(Al,Ga)As/GaAs heterostructures, molecular beam epitaxy growth 2−19415
(Al,Ga)As-GaAs heterostruct., electron mobility, background doping effect 2−14676
Al-GaAs Schottky diode, effect of annealing on Richardson constant 2−14835
Al-SiO_2-GaAs-n^+-GaP, MIS light modulators using Franz-Keldysh effect 2−6057
AlAs-$Al_xGa_{1-x}As$-GaAs superlattices, absorpt., stimulated emission and clustering 2−25050
AlAs-GaAs heterojunction stripe geometry lasers, nonlinear power-current characteristics 2−15510
AlAs-GaAs superlattice, absorption and stimulated emission 2−15502
$Al_xGa_{1-x}As$-GaAs heterojunction FET, magnetoconductance, g-factor, gate voltage 2−20270
AlGaAs CSP laser, used in optical switch 2−20877
AlGaAs constricted DH laser, low threshold current temp. sensitivity 2−15508
AlGaAs constricted double-heterojunction diode lasers, structs. and electrooptical characts. 2−20894
AlGaAs DH laser, highly RF modulated, effect of cavity length on picosecond pulse generation 2−15516
AlGaAs DH laser amplifiers, signal gain, freq. bandwidth, saturation output power 2−10332
AlGaAs DH laser diodes, Si optical bench for reproducible optical feedback path 2−16470
(AlGa)As DH lasers, MBE grown, CW aging 2−20876
(AlGa)As DH lasers, molecular beam epitaxy for optical communication systems 2−20896
AlGaAs DH lasers, modulation characts. in 6 to 10 GHz range 2−20908
AlGaAs DH wavelength multiplexing injection laser source with graded comp. along active layer 2−1945
AlGaAs diode laser, RF modulated, generation of ultrashort optical pulses *(Japanese)* 2−6220
AlGaAs diode laser, subpicosecond coherent optical pulse generation by passive mode locking 2−25767
AlGaAs heterojunction photodiodes structures, radiation hardened, computer modelling 2−20744
AlGaAs high-bandgap solar cell for 10-unit dichroic filter spectral splitter module 2−18601
(AlGa)As injection laser, metallisation and heat sink problems 2−6218
AlGaAs injection-locked semiconductor laser, optical FM signal amplification and FM noise reduction 2−10287
AlGaAs laser, used for digital audio recording system *(German)* 2−22024
AlGaAs lasers, narrow proton-implanted, for audio/video discs, optical communication and recording 2−6232
AlGaAs lasers with micro-cleaved mirrors suitable for monolithic integration 2−25773
AlGaAs, layers growth by OM-VPE 2−4992
AlGaAs mode-locked diode lasers, oscillation characts. of coherent ultrashort optical pulses 2−15511
AlGaAs, organometallic VPE grown, characterisation for solar cell appls. 2−13820
AlGaAs oxide stripe CW lasers, spatial mode stability during aging 2−6215
AlGaAs photodiode structures, computer modelling and radiation testing 2−15404
AlGaAs photodiodes, transient irrad. effects 2−25622
AlGaAs, short wavelength laser and LEDs, role of buffer layers in reducing degradation 2−1962
AlGaAs stripe-geometry DH lasers with soft turn-on, extinction ratio 2−20893
AlGaAs two dimensional electron gas FET, high performance assoc. with low AlGaAs surface pot. 2−25224
AlGaAs window stripe laser, optimum design conditions 2−6207
AlGaAs/GaAs, cascade solar cells, growth and characterisation 2−4372
AlGaAs/GaAs concentrator solar cell array, high efficiency-large area for concentrating photovoltaic array of 1 kWp, construction and performance 2−23212
AlGaAs/GaAs high efficiency cascade solar cells, efficiencies of 15% at AM0 and 16.4% at AM1 2−18550
AlGaAs/GaAs solar cells, high efficiency with high resist. to radiation damage 2−18585
AlGaAs/GaAs solar cells high conc. photovoltaic module, development and testing 2−18602
AlGaAs-GaAs, heterojunction CCD images 2−3089
AlGaAs-GaAs concentrator solar cells, computer-controlled flash testing system 2−16845
AlGaAs-GaAs concentrator solar cells, fabrication by OM-VPE and LPE, performance and durability 2−18571
AlGaAs-GaAs heterojunction gate JFETs by organometallic and MBE, for high speed logic appls. 2−25225
AlGaAs-GaAs heterostructures, LPE growth for solar energy conversion 2−24281
AlGaAs-GaAs laser with external dispersive resonator, bistable operation and spectral tuning 2−20938
AlGaAs-GaAs lasers, MO-CVD grown, review 2−6217
AlGaAs-GaAs solar cells, deep-level defects, low temp. periodic annealing effects 2−18469
AlGaAs-GaAs solar cells, proton irrad., radiation-induced deep-level defects, annealing, DLTS, SEM 2−18551
AlGaAs-GaAs ultra-low-noise avalanche photodiode with separated electron and hole avalanche regions 2−20740

III-V semiconductors continued
p-AlGaAs-n-GaAs heterojunction avalanche photodiodes, high gain, fabrication and props. 2−25625
$Al_xGa_{1-x}As$, alloy clustering effects on impact ionisation 2−24988
$Al_xGa_{1-x}As$ buried heterostruct. laser, single mode operation by loss stabilisation 2−6210
$Al_xGa_{1-x}As$, comp. change w.r.t. LPE temp. *(Russian)* 2−8815
$Al_xGa_{1-x}As$ DH laser, deep level luminesc., spatial distrib. 2−1966
$Al_xGa_{1-x}As$ epilayers, mm thick, Peltier-induced LPE and compositional control 2−4986
$Al_xGa_{1-x}As$ epilayers, MBE, protection during ambient transfer 2−4999
$Al_xGa_{1-x}As$, epitaxial layer, MBE growth 2−8822
$Al_xGa_{1-x}As$ films, VPE growth in inorganic transport systems 2−4997
$Al_xGa_{1-x}As$ grown by MBE, photoluminescence studies 2−10125
$Al_xGa_{1-x}As$ injection heterojunction laser with high pulsed power 2−10300
$Al_xGa_{1-x}As$ LED fabrication, epitaxial p-n structures quality estimate 2−25119
$Al_xGa_{1-x}As$ MBE layer, Al-Ga disorder 2−1171
$Al_xGa_{1-x}As$ modified multiquantum well heterostructure lasers, MBE grown, extremely low threshold operation 2−10283
$Al_xGa_{1-x}As$, OMVPE growth 2−4991
$Al_xGa_{1-x}As$ p-n junction solar cells, grown-in deep-level defects 2−23616
$Al_xGa_{1-x}As$ Schottky barriers and p-n junctions, current-voltage characts. 2−5723
$Al_xGa_{1-x}As$ solid solns., epitaxial, variable composition, surface recombination *(Russian)* 2−1184
$Al_xGa_{1-x}As$ solid solution, elec. cond. slow relax. 2−24989
$Al_xGa_{1-x}As$:Sn, MBE grown, photolum. spectrum, As/Ga flux ratio effect 2−1793
$Al_xGa_{1-x}As$-AlAs-GaAs quantum well heterostruct., size fluctuations and laser operation 2−15509
$Al_xGa_{1-x}As$-GaAs, V shaped DH laser, metalorganic CVD growth and properties 2−10291
$Al_xGa_{1-x}As$-GaAs heterostructure, modulation doped, MBE grown, electron mobility study 2−5604
$Al_xGa_{1-x}As$-GaAs heterostructures, carrier mobility enhancement 2−20123
$Al_xGa_{1-x}As$-GaAs heterojunction FET, transport props. 2−20250
$Al_xGa_{1-x}As$-GaAs heterojunction FET, magnetoconductance, g-factor 2−20269
$Al_xGa_{1-x}As$-GaAs quantum-well heterostruct. lasers, MBE growth, clustering and phonon effects 2−6227
$Al_xGa_{1-x}As$-GaAs quantum-well heterostructure laser, transient and noise characts. 2−6233
$Al_xGa_{1-x}As$-GaAs quantum-well heterostruct. lasers, MBE grown, alloy clustering, photoluminesc. study 2−25792
AlGaAsSb/GaAsSb cascade solar cells, growth and characterisation 2−4372
AlGaAsSb/GaInAsSb/GaSb laser, light confinement and divergence 2−25826
AlGaAsSb/GaSb laser, light confinement and divergence 2−25826
AlGaAsSb-GaAsSb cascade solar cells, elec. and spectral response characts. 2−23617
AlGaSb photodiodes, transient irrad. effects 2−25622
$Al_{0.26}Ga_{0.74}Sb$-GaSb photodector, LPE growth and photo response *(Japanese)* 2−586
$Al_xGa_{1-x}Sb$ heterostructure, reproducible epitaxial layer growth from saturated Ga soln. 2−8806
$Al_xGa_{1-x}Sb$, LPE *(Japanese)* 2−586
$Al_xGa_{1-x}Sb$, p-i-n photodiode for 1.3 μm fibre optical systems 2−20738
$Al_{0.48}In_{0.52}As$, layers in $Ga_{0.47}In_{0.53}As$ MESFETs 2−1394
$Al_{0.48}In_{0.52}As$, MBE layers, elec. props. 2−14639
$Al_{0.48}In_{0.52}As$:Be, MBE grown, Be doping 2−567
$Al_{0.48}In_{0.52}As_{0.52}As/Ga_{0.47}In_{0.53}As/Al_{0.48}In_{0.52}As$ DH laser, MBE grown 2−6216
$Al_xIn_{1-x}N$ thin films, RF sputtering deposition 2−19447
AlN film grown at low temp. by modified sputter gun 2−8828
AlN film prep. by ion implantation, AES and low-energy EELS studies 2−8825
AlN on Si SAW devices 2−15090
AlSb, epitaxial growth, eval. of triisobutylaluminium rel. to trimethylaluminium 2−4995
AlSb, LPE from Sb solns. 2−13821
Au/Ni/SnNi/n-GaAs interface, ohmic contact form. 2−25070
Au/ZnSe:Mn/n-GaAs, MBE DC electroluminescent cell with very low threshold voltage 2−10163
Au-InP Schottky diode, elec. characts. 2−14829
Au-n-$Ga_{1-x}Al_xP$ surface barrier struct., photoelectric effect 2−15412
Au-n-GaAs Schottky barrier diodes, ion beam damage during low energy cleaning 2−24968
BN, cubic, growth and characteristics of single crystal *(Japanese)* 2−19402
CdS-Cu_2S solar cells, junction-field and collection efficiency in current saturation range 2−23562
$Cu_{1.8}S$-GaAs heterojunction photoconverter 2−12939
(Ga,In)As alloys, on InAs substrates, substrate instability during LPE growth 2−577
Ga-InAs, MOCVD 2−603
GaAS monolithic microwave ICs, cross-tie slow-wave coplanar waveguide 2−19834
GaAS two stage FET low noise amplifier, for freq. range 3.7 to 4.2 GHz 2−24417
GaAS unity-gain differential amplifier, test vehicle for IC technology 2−19578
GaAlAs bistable CW injection heterolaser 2−20902
GaAlAs channel-substrate-planar lasers with elevated facet reflectivities, operating characts. 2−1937
GaAlAs, channeled substrate planar and V-groove lasers, microwave-induced oscillations 2−6221
GaAlAs DH diode laser wavefront meas. and anal. 2−15532
GaAlAs DH injection laser, coherent reception, multimode effects 2−26856
GaAlAs DH laser, strain related degradation phenomena, SEM cathodoluminescence and induced current study 2−20910
GaAlAs DH low-threshold strip geometry laser by metal organic CVD 2−1942
GaAlAs DH shallow proton stripe laser grown by metalorganic CVD, current threshold uniformity 2−25770
GaAlAs, growth by low-pressure MO-CVD, gettering of O_2 2−602

III-V semiconductors continued
GaAlAs heterostructure, screening of scatt. fields by carrier space charge, theory 2−5611
(GaAl)As injection laser linewidth measurements, CW longit. mode struct. 2−6234
(GaAl)As injection lasers, mode locking study 2−10290
GaAlAs LEDs, slow degradation study by DLTS 2−10167
GaAlAs laser, spectrum-narrowing ratio determ. by optical feedback 2−20888
GaAlAs laser frequency stabilisation using automatic freq. control system 2−6226
GaAlAs lasers, second-harmonic generation, use of $KNbO_3$ waveguides 2−15548
GaAlAs p-n junction characters., effect of X-ray irradiation *(Russian)* 2−14687
(GaAl)As single-mode injection laser, power-depend. linewidth meas. 2−6235
GaAlAs single-mode laser, dynamic wavelength tuning 2−6236
GaAlAs substrate, Au-Sn-Al metallisations, interfacial struct. study 2−5705
GaAlAs system, cooled with volatile component evaporation, liq. and solid phase comp. calc. 2−588
GaAlAs:Sn, thin layer emitters, luminescence and Sn-X centres 2−25192
GaAlAs/GaAs, DH single-mode injection lasers for optical fibre communication 2−10399
GaAlAs/GaAs concentrator solar cells, nonlinear response to solar insolation 2−18587
GaAlAs/GaAs double heterostructures, for opto-electronic devices, MOCVD growth 2−5022
GaAlAs/GaAs multilayer monolithic integration of active and passive components for integrated optics 2−6051
GaAlAs-GaAs DH lasers, low threshold narrow stripe, controlled Zn diffusion 2−6213
GaAlAs-GaAs double heterojunction N-p-N bipolar transistor development and testing 2−20235
GaAlAs-GaAs heteroface solar cell, window layer thickness, reflection loss minimisation 2−7992
GaAlAs-GaAs heterojunction solar cells with different contact materials, thermal stability 2−18539
GaAlAs-GaAs oxide stripe laser, low degradation rate, high performance 2−1953
$Ga_{0.68}Al_{0.32}As$:Te(Zn) laser pumped by electron beam, cathodolum. and threshold current density, doping influence 2−6229
$Ga_{0.7}Al_{0.3}As$-GaAs heterostructure laser, electron-beam-pumped, operating at low accel. voltages 2−20906
$Ga_{1-x}Al_xAs$, conduction band structure from Hall mobility measurements at high pressures 2−24964
$Ga_{1-x}Al_xAs$, DH LEDs, reliability for lightwave communications through accel. ageing studies 2−6121
$Ga_{1-x}Al_xAs$ DH laser, threshold current temp. depend., 0.74 to 0.9 μm 2−6211
$Ga_{1-x}Al_xAs$, double-sided heterostructure laser, spectral and temporal characts. 2−1957
$Ga_{1-x}Al_xAs$ electron-beam-pumped laser, oxide film influence on threshold current density 2−20943
n-$Ga_{1-x}Al_xAs$ epitaxial layers, Hall to drift mobility ratio 2−5559
n-$Ga_{1-x}Al_xAs$ epitaxial layer, intervalley scatt., Hall mobility study 2−9424
n-$Ga_{1-x}Al_xAs$ epitaxial layers, electron mobility 2−9431
$Ga_{1-x}Al_xAs$ heteroepitaxial layers, coherent, on-axis layers, characterisation by X-ray multiple diffr. technique 2−576
$Ga_{1-x}Al_xAs$, hot electron transport, expt. and Monte Carlo simulation 2−24978
$Ga_{1-x}Al_xAs$, IR emitting diode, bandwidth and optical output power determined by photoluminescence measurement 2−1818
$Ga_{1-x}Al_xAs$ injection laser, second-harmonic generation by $KNbO_3$ crystal 2−10349
$Ga_{1-x}Al_xAs$ injection light source radiation, electron-beam control 2−20905
$Ga_{1-x}Al_xAs$, MO-CVD growth, quantum well transport structs. 2−5021
$Ga_{1-x}Al_xAs$, photocond. storage obs. at low temp. 2−25583
$Ga_{1-x}Al_xAs$ solid solns., epitaxial film prep. from gas phase, deposition thermodynamics 2−8807
$Ga_{1-x}Al_xAs/Ga_{1-y}Al_yAs$ DH lasers, facet degradations 2−25790
$Ga_{1-x}Al_xAs$-GaAs heterojunction lasers, accelerated life tests, temp. interval optimisation 2−25800
$Ga_{1-x}Al_xAs$-GaAs heterojunction lasers, reliability forecasting 2−25801
$Ga_xAl_{1-x}As$ epitaxial layers on GaAs, morphology and misfit dislocations 2−4987
$Ga_xAl_{1-x}As$, heterostructure MESFET devices, LPE 2−1395
$Ga_xAl_{1-x}As$ LPE growth, GaAs substrate dislocation behaviour 2−565
$Ga_xAl_{1-x}As$ MBE growth, volatile metal oxide incorporation 2−5002
GaAlAsSb photodiodes, low dark current 2−25616
GaAlP, MO-CVD growth 2−5018
$Ga_{1-x}Al_xP$ variable-gap surface barrier UV photodetectors 2−26855
$Ga_{1-x}Al_xSb$:Te, high field magnetotransport props. under hydrostatic press., direct-indirect band tra- nsition 2−5571
GaAs,ion implanted, capless annealing, for microwave devices 2−1319
GaAs *(French)* 2−14040
GaAs 2−25161
GaAs (100) planes, grating corrugation form *(Chinese)* 2−10101
GaAs (110), models of column III and V element overlayers, appl. to MBE 2−5000
GaAs (110)-Al interface, initial stage of formation 2−5614
GaAs (110)-In(Ge), interface form., surface reconstruction 2−25051
GaAs, anodic oxide film, comp. and dielec. strength, SIMS study 2−25160
GaAs, Au-Ge laser-annealed ohmic contacts, microstruct. and resistivity 2−14698
GaAs, ballistic electron transport in nonparabolic band struct. 2−1174
GaAs bipolar IC technology development 2−14987
GaAs, Bridgman and LEC pulling growth methods, ion implantation, for FETs 2−1393
GaAs, bulk sample shaping by photolithography and chem. etching 2−20169
GaAs buried optical guide laser, passively mode-locked, subpicosecond pulses 2−1941
GaAs CCD three-colour three-channel image sensors, anal. 2−10162
GaAs, collisional broadening effect on Monte Carlo simulation of high-field transport 2−9595
GaAs crystal growth, material and its appl. 2−1182

III-V semiconductors continued
GaAs crystals, selective corrosion and selective growth *(Chinese)* 2−4984
GaAs crystals and solid solns., hot electron luminescence 2−25593
GaAs, Czochralski grown, liq. encapsulated technique, elec. compensation, melt stoichiometry effect 2−24954
GaAs DFB laser, optically pumped, with variable grating period, mode selectivity and threshold gain 2−6224
GaAs, deep levels, electron trap and hole trap discharge ratio, temp. dependence *(Japanese)* 2−14647
GaAs dendritic web, grown by liq. encapsulation, characterisation 2−575
GaAs device structs. at 77K, single-carrier space-charge-controlled conduction vs. ballistic transport 2−14819
GaAs, difference freq. generation with pulsed CO_2 laser freq. nonlinear mixing *(Russian)* 2−20950
GaAs digital ICs, sub-μm transistor gate, electron-beam/optical hybrid lithog. 2−20405
GaAs digital ICs for appl. above 1 GHz *(French)* 2−14046
GaAs digital ICs for high-speed signal processing 2−24578
GaAs, digital monolithic IC development *(Czech)* 2−9739
GaAs diode structures based on direct-gap semiconductors, numerical anal. 2−1339
GaAs dual gate MESFET and appl. in microwave circuits 2−19865
GaAs dual-gate FET anal. using bidimensional DC transfer charact. 2−5749
GaAs dual-gate MESFET SHF broad-band active phase-shifter 2−5354
GaAs electron mobility, space-charge and central-cell scatt. contrib. reassessment 2−9426
GaAs epilayers, growth by MOCVD, appl. to microwave MESFETs 2−573
GaAs epitaxial film based, defect and conc. nonuniform effects on IMPATT diode avalanche breakdown *(Russian)* 2−1341
GaAs, epitaxial film growth, CLEFT process 2−591
GaAs, epitaxial growth by MO-VPE, growth mechanism 2−571
GaAs, epitaxial layer, MBE growth 2−8822
GaAs epitaxial layer photoelastic electro-optical directional couplers, 1.15 μm, strain-induced waveguides 2−6050
GaAs, epitaxial layer thickness, dependence of electrophysical parameters *(Russian)* 2−5552
GaAs epitaxial layers, by low pressure MOVPE, using triethylgallium as Ga source 2−4990
GaAs epitaxial layers, screw and circular structures 2−4998
GaAs epitaxial layers, CVD on Ge heteroepitaxial films 2−8809
GaAs epitaxial layers, breakdown characts. 2−9423
GaAs epitaxial layers doping with O and Si 2−5685
GaAs epitaxial thin film, persistent photocond. 2−15376
GaAs epitaxial thin film solar cell fabrication using organometallic CVD, single-crystal Si substrates 2−23588
n-GaAs, epitaxially grown, p-type buffer layer, evaluation using Hall meas. 2−9429
GaAs etalon, intrinsic bistable optical device, regenerative pulsations 2−25829
GaAs FET, hybrid and monolithic broadband low-noise-and-power amplifiers using feedback techniques 2−5350
GaAs FET, magnetoresistance oscills. and transition from 3-D to 2-D cond. low temps. 2−25243
GaAs, FET, photocathode and frequency divider appl. *(French)* 2−1383
GaAs FET, plasma etched via connections 2−1388
GaAs FET, short-gate, ballistic transport 2−25250
GaAs FET amplifier, low noise 10.7 GHz 2−19553
GaAs FET appls. in microwave integrated systems 2−24719
GaAs, FET development beyond 20 GHz, impact on communications 2−14296
GaAs FET in microwave TV link, movable transposer *(Japanese)* 2−21928
GaAs FET logic IC technology, ultrahigh speed, ring oscillator and freq. divider structs. *(Japanese)* 2−14075
GaAs FET microwave balanced wideband amplifier *(French)* 2−19864
GaAs FET noise characterization at 18 and 20 GHz using noise waves model, computer implementation 2−24708
GaAs FET operating function temp. meas., elec. thermal testing for quality control 2−14875
GaAs FET oscillator, X-band, low noise design rel. to active device, overall FM noise 2−24712
GaAs, FET performance, rel. to material growth techniques 2−1380
GaAs FET power amps meas. techniques 2−5357
GaAs FET power combining with travelling-wave combines amplifier 2−9217
GaAs FET receiver for 12 GHz satellite TV broadcasts 2−21951
GaAs, FETs, effect of materials props. on RF performance 2−1390
GaAs film, chemical thinning by etching 2−9587
GaAs films, epitaxial growth simulation 2−5005
GaAs, frequency doubling with negative differential conductivity 2−19882
GaAs, growth rate anisotropy and growth in gas transport systems 2−13809
GaAs, growth rate anisotropy analysis in CVD system 2−19430
GaAs Gunn-effect oscillators used as MM-wave self-excited mixers, noise figure 2−19891
GaAs Hall devices, highly linear, fabricated by ion implantation 2−20221
GaAs, heat treatment in controlled atmos., role of S, thermal cond. meas. *(French)* 2−1316
p-GaAs, heavily doped, hot carrier relax., picosecond luminesc. study 2−24983
GaAs heteroepitaxial layer deposited by laser pulse, condensation mechanism 2−19407
GaAs high concentration photovoltaic cells, thermal impedance effects 2−18576
n-GaAs, high power far IR photocond. meas., photoresponse tail 2−6086
GaAs, high purity, LPE growth conditions and elec. props. 2−24299
GaAs, high purity prepared from trimethylgallium and arsine 2−601
GaAs high speed IC technology *(French)* 2−14988
GaAs, hot carrier ballistic transport, displaced Maxwellian formulation 2−24939
GaAs, hot carrier photoluminescence, picosecond correlation effects 2−25594
GaAs, hot carrier relax., picosecond laser pulse studies, review 2−24984
GaAs, hot electron nonMaxwellian distrib. function in mag. field, cyclotron emission study 2−24981
GaAs, hot photoexcited electrons, effect of electron-electron scatt. 2−24974
GaAs hyperabrupt junctions, avalanche breakdown voltage calc. 2−14683
GaAs IC compatible SAW devices 2−25412

III-V semiconductors continued
GaAs IC fabrication, ion impiantation and processing schedules 2−25364
GaAs, IC fabrication, selective epitaxy and electron beam lithography 2−5823
GaAs IMPATT diode, electrons and holes ionisation rates study using computer anal. 2−9616
p-GaAs, IR transmission characteris. of impurities 2−9434
GaAs IR waveguides, proton implanted, substrate temp. effects 2−1715
GaAs, impact ionisation, band struct. depend. 2−24934
GaAs injection amplifier, dynamic characts. 2−20904
GaAs integrated circuit technology, future trends 2−14993
GaAs integrated DFB oscillator-amplifier system 2−1959
GaAs integrated solid-state transmitter using dual-gate and power FETs, radar appls. 2−6860
GaAs, ion implantation and low temp. epitaxial regrowth 2−5687
GaAs, ion implanted, Raman scatt. characteris. of changes induced by encapsulation and thermal annealing 2−9433
GaAs, ion implanted and laser annealed, residual damage, TEM study 2−14773
GaAs, ion-beam-assisted dry etching, elec. characts. 2−25158
GaAs ion-implanted enhancement/depletion-type MESFET IC technology 2−20397
GaAs JFET, planar normally-off, for high speed logic ccts. 2−19618
GaAs JFET static RAM design 2−14130
GaAs, LPE, mass transfer processes influence 2−564
GaAs LSI digital IC, review 2−15012
GaAs large diameter bulk crystals for microwave device technology 2−9444
GaAs large refractive index nonlinearities and optically bistable devices 2−10367
GaAs laser, actively mode locked, subpicosecond pulse generation in external ring cavity 2−15517
GaAs laser, broadening ratio calc. from multimode oscillation threshold 2−15427
GaAs laser, dye-in-polymer films for ablative optical recording 2−20609
GaAs, laser annealing induced defects 2−20078
GaAs laser cyclotron resonance, Zeeman absorpt. 2−20058
GaAs, laser oxidation, expt. study 2−9577
GaAs lasers, longitudinal mode control using three mirror active passive cavity 2−10306
GaAs layers, vapour phase growth rate and morphology, elec. field effect 2−19408
GaAs, layers growth by OM-VPE 2−4992
p-GaAs, linear photogalvanic effect *(Russian)* 2−20723
GaAs logic ICs, review and exemplification *(Japanese)* 2−19633
GaAs, low-dose Si ion implantation into semi-insulating LEC grown wafers, elec. props. obs. 2−5683
GaAs low-noise MESFETs, high aspect-ratio 0.1-μm gate technique, optical lithography 2−14868
GaAs MBE growth, volatile metal oxide incorporation 2−5002
GaAs, MESFET, electronic impulse response, picosecond optical electronics meas. 2−20251
GaAs MESFET, fabrication of stable Schottky barrier gates 2−14882
GaAs MESFET, ion implanted, temp. effect on low threshold voltage 2−9648
GaAs MESFET, ion implanted, excess 1/f noise depend. on gate leakage current 2−9670
GaAs MESFET, ion implanted, threshold voltages 2−25343
GaAs MESFET, low noise, microwave perform. 2−14876
GaAs MESFET, self-aligned normally-off, using SiO_2:Sn glass 2−9650
GaAs MESFET, super low-noise, fabrication using Si ion implantation, microwave props. at 12 GHz 2−20253
GaAs MESFET amplifier replacing TWT amplifier, 5-W 8-GHz 2−5359
GaAs MESFET appls. in telecommunication systems *(French)* 2−19867
GaAs MESFET broadband amplifiers with parallel feedback, noise 2−19872
GaAs MESFET digital ICs for very high speed freq. division 2−9061
GaAs MESFET high speed static RAM technology and design 2−14131
GaAs MESFET logic gates, effect of cell configuration, gate length and fan-out on propag. delays 2−24481
GaAs MESFET low-freq. noise at low drain voltages 2−25274
GaAs MESFET microwave oscillators, common-source and common-drain mode, photoeffects 2−5365
GaAs MESFET microwave mixers, theory and appls. 2−19863
GaAs MESFET modelling for CAD of circuits *(French)* 2−14853
GaAs MESFET quasi-normally-off for high speed frequency dividers 2−20398
GaAs MESFET with n^+-implanted layers and self-aligned gate by dielectric life-off technology 2−25226
GaAs MESFET X-band oscillator, optically frequency modulated 2−14300
GaAs MESFETs, low-noise, high power pulsed characts. 2−25239
GaAs MESFETs, microwave noise due to deep levels 2−1391
GaAs MESFETs magnetotransconductance mobility meas. 2−9652
GaAs MIC receivers for communications and surveillance 2−6742
GaAs MIS capacitors, anodically oxidized, interface props., computer-controlled meas. set-up 2−20143
GaAs MM-wave abrupt p-n junction MITATT diodes, theory, operation from 100-800 GHz 2−19890
GaAs MM-wave transferred electron oscillators, harmonic operation 2−9222
GaAs, MO-CVD, p-type, diffusion lengths 2−5556
GaAs, MO-CVD grown under different Ga/As mol fractions, deep levels 2−604
GaAs MOS solar cell, open circuit voltage enhancement mechanism 2−28101
GaAs MOS structures, charge trapping in anodic native oxide under pulsed laser illum. 2−20144
n-GaAs, magnetophonon effect of hot electrons 2−14659
GaAs, melt grown, physical props. 2−8794
GaAs metallisation, problems and trends 2−1324
GaAs, metallorganic CVD in a molecular beam system 2−5015
GaAs microstrip optoelectronic switches using laser plasma tapers 2−5353
GaAs microwave, MESFETS, gamma irrad. tolerance 2−25240
GaAs microwave applications, technology, characts. 2−942
GaAs microwave FETs, operation and appl. *(French)* 2−14304
GaAs, microwave MESFETS, assessment of deep traps 2−1392
GaAs microwave MESFETs, mutual coupling between electrodes three-coupled-line theory 2−14303
GaAs microwave power FET device and circuit technologies, advances, CAD 2−24706

III-V semiconductors continued
GaAs, minority carrier lifetime, electron beam induced current study 2−24971
GaAs, model, ballistic transport with collisions 2−1139
GaAs monolithic FET ICs, used for high-gain X/Ku-band amplifiers 2−5356
GaAs monolithic ICs, material props., epitaxial crystal growth, ion implantation, metallization *(German)* 2−20347
GaAs monolithic ICs, review *(Czech)* 2−15017
GaAs monolithic ICs for communication engineering *(Czech)* 2−9231
GaAs monolithic low noise X-band amplifier 2−24418
GaAs monolithic microwave power FET amplifiers 2−944
GaAs monolithic microwave circuits for broadband appls. *(German)* 2−949
GaAs monolithic solar cell arrays 2−23626
GaAs multilayer struct., carrier conc. and mobility, rapid determ. method 2−5568
GaAs n^+/p^+ tunnel junction, MBE, ohmic contact for cascade solar cell 2−4345
p-GaAs, non-alloyed ohmic contacts, using MO-CVD contact layers 2−24296
GaAs ohmic contacts fabrication and props., AuGe-based 2−5708
n-GaAs, ohmic contacts using graded band gap $Ga_{1-x}In_xAs$ layers by MBE 2−5613
GaAs, open tube diffusion of Sn, improved process for microwave devices 2−24720
GaAs, organometallic VPE grown, characterisation for solar cell appls. 2−13820
GaAs, oxidation, optically enhanced with visible laser light 2−14788
GaAs p^+-n junction, impact ionisation coeffs. determ. 2−9494
GaAs p^+-n-n^+ structs., nonequilib. minority carriers, effective lifetime in lightly doped n-type region 2−9495
GaAs, p-n junction, pressure effects on avalanche breakdown voltage 2−14674
GaAs p-n junction characts., effect of X-ray irradiation *(Russian)* 2−14687
n-GaAs, passivation and interface state studies 2−9567
GaAs periodic doping structures grown by MBE, space charge field of impurities, cond. modulation 2−5621
n-GaAs, periodic oscills. and turbulence of hot-carrier plasma at 4.2K 2−24975
GaAs, photoanodes, photoelectrochemical cells, energy storage 2−12764
GaAs photoanodes, protection with photoelectrochemically generated polypyrrole films 2−25156
GaAs photocathodes, for low light level imaging, MOCVD 2−5023
GaAs photoconductive switch, laser-driven, picosecond microwave pulse generation 2−1796
n-GaAs, photoconductivity, far-IR two-photon transitions and two-photon cyclotron resonance 2−20087
n-GaAs, photocurrent noise caused by impact ionization of neutral donors and free/bound excitons 2−24992
GaAs, photodetector, transient and DC response 2−3169
n-GaAs, photoelectrochemical corrosion, effect of Au monolayer 2−5649
GaAs, photoluminescence spectra, obs. of emission band at ~1.40 eV 2−20727
GaAs, piezoelectric, photogalvanic effect for interband transitions 2−1783
GaAs planar devices, interface traps, DLTs and PITs methods 2−1397
GaAs, plasma anodisation kinetics 2−5697
GaAs, plasma anodisation kinetics using multipole plasma source 2−25162
GaAs, plasma etching of micron size features using freons and other electronegative gases, discharge effects 2−9585
GaAs post-implant annealing, encapsulation of semiconductor with CVD Si_3N_4 to prevent decomposition 2−20200
GaAs power FETs, failure modes, ohmic contact electromigration and formation of refractory oxides 2−14886
GaAs power FETs, reliability and life testing 2−25237
GaAs power MESFETs prep. by metalorganic CVD 2−14857
GaAs precoated with Al, composite oxide film formation by DC plasma anodisation 2−9586
GaAs, proton bombarded and annealed, photolum. 2−15394
n-GaAs, proton implanted, IR absorpt. 2−20628
GaAs, pulsed UV laser photochemical doping, solar cell prod. 2−9563
n-GaAs, Raman scatt. from ion implanted carriers 2−24987
GaAs, rectifying variable planar-doped-barrier structures, MBE fabrication and characts. 2−1346
p-GaAs, reemission effect on carrier transport 2−5566
GaAs, S-type diode, negative photocond. 2−25626
GaAs Schottky barrier FET, low noise, prep. by MBE 2−1369
GaAs Schottky contacts, light emission behaviour, exptl. data 2−20728
GaAs Schottky detectors in sub-MM wave region, characterisation 2−19888
GaAs Schottky diode FET logic ICs, special considerations in probing and packaging 2−25365
GaAs Schottky light emitter for surface avalanching and electrolum. studies 2−15419
GaAs, Schottky-barrier coupled Schottky-barrier gate FET logic inverter, speed-power props. 2−5808
GaAs Schottky-gate FET capacitor-coupled logic cct. fabrication by direct electon beam exposure 2−20404
GaAs, selective carrier removal using O implantation 2−14760
GaAs, semi-insulating, ohmic behaviour 2−1178
GaAs, semi-insulating bulk-grown, selective excitation luminesc. 2−25587
GaAs semiconductor devices, collisional broadening effect on Monte Carlo simulations of high-field transport 2−9596
GaAs, semiconductor electrodes in photoelectrochemical cells, surface state role 2−12761
n-GaAs, semiconductor-electrolyte interface, surface modification, photoelectrochemical cells 2−9523
GaAs, shallow diffusion of Zn for optical waveguide modulators 2−25534
GaAs shallow-homojunction solar cells on epitaxial Ge grown on Si substrates, CVD technique 2−23589
GaAs short channel device, hot carriers, space and time dependent transients 2−25175
GaAs short-channel MESFET operation II, transient behaviour 2−25235
GaAs single cryst. film growth, by sputter deposition, ion-surface interaction effects 2−24328
GaAs single crystals, helicoidal twisting of dislocations, projection etching, SEM and TEM obs. 2−24958
GaAs single crysts., production with low dislocation densities by Czochralski method 2−550

III-V semiconductors continued
GaAs, single step selective implantation technology using proximity annealing, 10 GHz FET fabrication 2−9550
GaAs single-mode DH lasers using three-mirror active-passive cavity, longit.-mode control 2−10304
GaAs solar cell radiation damage, annealing, thermally and by minority carrier injection 2−18552
GaAs solar cell radiation damage and thermal annealing, conc. of vacancies, divacancies, thermochem. model 2−18553
GaAs solar cells, electron and proton damage coefficients and thermal annealing 2−23507
GaAs solar cells, optical characterization, computer-controlled instrumentation, spectral photoresponse, reflectivity, transmissivity 2−22112
GaAs solar cells, optimum sunlight conc. in space, determ. 2−18555
GaAs solar cells, status and prospects for space appls. 2−18536
GaAs solar cells for space applications 2−18537
GaAs solar cells for space missions, technology requirements 2−22694
GaAs solar cells with distributed parameters, I-V characts. effect of ohmic losses 2−12873
n-GaAs, spectroscopic line fitting to DLTS data 2−14650
GaAs sub-micron epilayers, near-MM-wave optical props. 5-100 cm^{-1} region 2−20085
GaAs submicron n^+-i-n^+ diode, Monte Carlo particle simulation 2−25184
GaAs substrate, dislocation behaviour during LPE of $Ga_xAl_{1-x}As$ 2−565
GaAs substrates, Cr, Si, Mn, and Fe distrib. after annealing with and without SiO_2 encapsulant 2−14765
p-GaAs substrates, modulated barrier photodiode grown by MBE 2−10147
GaAs substrates, monolayer-Sn technique for solving substrate film interface high resist. problem in MBE 2−13815
GaAs substrates for microwave isolators and phase shifters 2−24688
GaAs surface, (110), Fermi level pinning, contact pot. difference and surface photovoltage topography study 2−1181
GaAs surface, Al MBE growth, TEM and Rutherford backscatt. study 2−24287
n-GaAs surface, light-induced changes of oxidation potential for temps. between 150 and 410K 2−1188
GaAs surface, thin native oxide covered, interfacial chemical reactivity of metal contacts 2−5630
GaAs, surface EM waves in far IR 2−6039
GaAs surface native oxide layer production by anodic oxidation, nitridation in NH_3 atmosphere 2−20201
GaAs, technological review, HF device appl. 2−20074
GaAs, thermal conditions effect on large-diameter growth of single crysts. 2−549
GaAs thin film homojunction solar cells, characts. 2−12850
GaAs thin film solar cells by OM-CVD growth, high efficiency 2−18538
GaAs thin-film MOS solar cells, 10 μm film thickness, characts. 2−23621
GaAs thin-film solar cells 2−23527
GaAs transferred electron devices, 100 GHz, computer simulation 2−25180
n-GaAs, transient transport phenomena 2−9443
n-GaAs tunnel diode, excess current behaviour, electron irrad. effects 2−20232
GaAs, ultrabroadband monolithic amplifier 2−13978
GaAs ultrathin films, used for solar cell construction 2−28119
GaAs, undoped semi-insulating, growth by liquid encapsulated Czochralski method 2−9421
n-GaAs unidimensional particle model of cond. at low temps., contacts influence 2−24976
GaAs VLSI for high speed, high density appls. 2−20410
GaAs, VPE growth in low press. halogen transport system 2−8810
GaAs, VPE layers, implanted and annealed, elec. and optical props. 2−24969
GaAs, vapour phase epitaxy, flow channel reactor 2−24290
n-GaAs wafer, proton implanted, IR reflectivity characteris. 2−9561
GaAs wideband tunable mm-wave Gunn oscillator design 2−14297
GaAs X-band Gunn diodes in low-Q cavity, RF characts. 2−9608
GaAs:As^+, ion implanted layers, solid phase epitaxial regrowth 2−8800
GaAs:B(Si)(Se), ion implanted, stoichiometric disturbances 2−1294
GaAs:Be MESFET fabrication using maskless ion implantation 2−20271
GaAs:Be(Zn) MBE and LPE layer photocathode struct., photoelectron spin polarisation 2−24857
GaAs:Cd^+, ion-doped films, elec. props. 2−14770
GaAs:Cr, photoexcited charge carrier recombination processes *(Russian)* 2−1190
GaAs:Cr amorphous film, hopping conduction 2−20092
GaAs:Cr diodes, current-voltage chracts., mag. field influence 2−5718
GaAs:Cr in metal-semicond.-metal structures I-V characts. *(Slovak)* 2−20075
GaAs:Cr n^+-n-n^+ diode struct., magnetosensitivity, effect of strong carrier accumulation 2−25193
GaAs:Cr S-type diode, photoelec. props., neg. resistance under reverse bias 2−1810
GaAs:Cr S-type diodes, impedance under double injection conditions, switching mechanism 2−20127
GaAs:Fe, heat treated substrate, photoluminescence props. studies 2−9425
GaAs:Fe, impurity redistrib. on annealing, saturation density 2−1194
GaAs:Fe p-π-ν-n structs. current-voltage characts. and electrolum. study 2−5617
GaAs:Ge(Se), neutron transmutation doping, elec. and physical props. 2−9562
GaAs:H, amorphous, RF sputtering and optical props., H_2 partial press. effect 2−19427
GaAs:LED optimised for fibre optic communication at 34 Mbit/s, design criteria 2−10165
GaAs:Mn, heat treatment below Si_3N_4 encapsulant of Mn implant, dopant profiles and diffusion mechanism *(French)* 2−1298
GaAs:Mn, photoresistive detector, elec. and photoelec. props. 2−19899
GaAs:Mn,Fe, heat treatment effects on surfaces, thermal redistrib. of impurities 2−1195
n-GaAs:S, MBE layers, electrochem. S doping 2−25143
GaAs:Se, electron beam annealing, multiply-scanned beam method 2−1170
GaAs:Se, electron beam annealing, multiply-scanned beam method 2−5546
GaAs:Se, ion implantation, substrate orientation effects 2−14762
GaAs:Se(S), impurity profile, implantation temp. and crystallinity depend. 2−20182

III-V semiconductors continued
GaAs:Si, implanted, multiply scanned electron beam annealing 2−24955
GaAs:Si, ion implanted and annealed, carrier conc. profiles, C-V meas. techniques 2−9552
GaAs:Si, MBE growth, effect of growth conditions on Si doping 2−8803
GaAs:Si epitaxial p-n junctions, injection luminesc. 2−25642
GaAs:Si MBE layer, doping 2−9559
GaAs:Sn, laser implantation, impurity distrib. 2−20184
n-GaAs:Sn, laser-assisted doping from Sn evaporated films, ohmic contact form. 2−20194
GaAs:Te,Zn, heavily doped material with p-n junction, SEM local cathodolum. obs. 2−24957
GaAs:Zn, annealed, diffusion profiles meas. 2−14645
GaAs:Zn, nonequilib. substitutional-interstitial Zn diffusion, photoluminesc. study 2−9557
GaAs:Zn, polycrystalline, optoelectronic props. rel. to grain boundary features, cathodoluminesc. anal. 2−20089
GaAs:Zn(Mg)(Si)(Se) ion-implanted homojunction solar cells, pulsed ruby laser annealing, SEM, TEM and SIMS meas. 2−18554
GaAs/(Ga,Al)As, transmission photocathode, growth by MO-VPE 2−1812
GaAs/AlGaAs TJS lasers, gain suppression 2−6205
GaAs/Au-Ge ohmic contacts, laser annealed, resistivity and SIMS profile 2−14697
GaAs/AuGeIn Gunn diode ohmic contacts, microstructure, correl. with device performance 2−25076
GaAs/GaAlAs curved rib waveguides, loss value meas. 2−6049
GaAs/GaAlAs injection lasers, grown by MOCVD 2−6231
GaAs/GaAlAs lasers, MO-CVD grown, props. as function of stripewidth 2−20895
GaAs/n-AlGaAs heterostructures, selectivity doped, high mobility electrons, high-speed devices appl. 2−19416
p-GaAs/P-$Ga_{1-x}Al_xAs$ isotype heterojunction in DH laser materials 2−25049
n-GaAs/propylene carbonate electrochem. photovoltaic cells 2−18410
GaAs-(Al,Ga)As heterostructure growth, qualitative and quantitative assessments by fast ellipsometers 2−5004
GaAs-(AlGa)As heterostructs., light scatt. spectroscopy of electrons, rel. to transport props. 2−5607
GaAs-(AlGa)As heterojunction interfaces, modulation doped, electron mobility depend. on electron density and Al conc. 2−14672
GaAs-(Ga_xAl)As heterostructures for FETs *(French)* 2−20249
GaAs-Al Schottky diodes, effect of substrate treatments usable in MBE 2−1345
GaAs-$Al_{0.25}Ga_{0.75}As$ multiquantum well struct., resonant degenerate four-wave mixing 2−25828
GaAs-$Al_{0.2}Ga_{0.8}Sb$ non-lattice matched stacked solar cells, laser bonding 2−23630
GaAs-$Al_{0.5}Ga_{0.5}As$-GaAs tunnel diodes, expt. results 2−25183
GaAs-$Al_xGa_{1-x}As$ DH laser, basic props. 2−6222
GaAs-$Al_xGa_{1-x}As$ diode struct. elec. charact., gamma radiation effect 2−25200
GaAs-$Al_xGa_{1-x}As$ heterostructure, modulation doped surface and interface proximity effect on quantum melt electron mobilities 2−5608
GaAs-$Al_xGa_{1-x}As$ heterojunctions, transport props., TEGFET and tunnelling device appls. 2−25068
GaAs-$Al_xGa_{1-x}As$ superlattice, energy levels and cond. in appl. mag. field 2−5605
GaAs-$Al_xGa_{1-x}As$ superlattice, mag. quantisation and transport 2−14689
GaAs-AlGaAs DH injection laser, active layer radiative processes in strong mag. field 2−25796
GaAs-AlGaAs DH laser with p-type active layer, operation in mag. field 2−6209
GaAs-AlGaAs DH system, monolithic integration of optical sources and detectors, processing techniques 2−6035
GaAs-AlGaAs heterojunction interface, backside-gated modulation-doped 2−5600
GaAs-AlGaAs interface, hot electron effects in 2D electron gas 2−25055
n-GaAs-anodic oxide interface, props., anal. using MOS theory 2−20142
n-GaAs-Au Schottky barrier height increase, Fermi energy pinning behaviour 2−5623
GaAs-AuGe/Pt pulsed electron beam alloyed ohmic contacts, reliability 2−1229
GaAs-Cu(Ag)(Zn)(Sn)(Al) contacts, metal diffusion, penetration depth, SEM and microprobe anal. 2−20140
GaAs-electrolyte junction, flat band pot., electroreflectance study 2−9524
GaAs-$Ga_{1-x}Al_xAs$ channel injection heterojunction laser characts. 2−6228
GaAs-$Ga_{1-x}Al_xAs$ multilayer epitaxial heterocomps., elec. active defects, combined SEM and TEM obs. 2−24959
GaAs-$Ga_{1-x}Al_xAs$ stripe geometry DH laser, threshold current, self consistent calc. 2−25793
GaAs-$Ga_{1-x}Al_xAs$ V-groove lasers for fibre-optic communications 2−6845
GaAs-$Ga_xAl_{1-x}As$, semiconductor laser, rate of ageing 2−1958
GaAs-$Ga_xAl_{1-x}As$ DH and multiple quantum well superlattices, luminesc. props. and struct. 2−25589
GaAs-GaAlAs, bipolar Schottky-collector transistor 2−1363
GaAs-GaAlAs, DH laser grown by metalorganic CVD process 2−1965
GaAs-GaAlAs, selective MOCVD epitaxy for optoelectronic devices 2−572
GaAs-GaAlAs CW DH superluminescent diodes, modulation characts. and intensity noise 2−1817
GaAs-GaAlAs DH lasers, nonradiative lifetime and leakage losses 2−6214
GaAs-GaAlAs diode laser, multiple segment stripe contact, effect of non-uniform current 2−1963
GaAs-GaAlAs flat-band semicond. heterostructures, electronic props. 2−1219
GaAs-GaAlAs heterojunction, localisation and interaction effects in electron gas 2−9481
GaAs-GaAlAs heterostructure, Gunn oscillation optically triggered by 1.06 micron radiation 2−9422
GaAs-GaAlAs injection lasers, state of the art, operating parameters and limitations rel. to appls. 2−6223
GaAs-GaAlAs integrated optical devices fabricated by MBE and metal-organic CVD 2−25541
GaAs-GaAlAs LEDs, influence of bias current on modulation behaviour, modelling 2−6114
GaAs-GaAlAs modulation doped multilayer struct., optimum cond. and effective mobility conditions, LPE gr- own struct. 2−5622

III-V semiconductors continued
GaAs-GaAlAs stripe laser, proton-isolated, with tilted facet reflectors 2−15512
GaAs-GaAlAsP heterojunctions, lattice strain and misfit dislocations 2−14646
GaAs-GaSb n-p heterojunction intercell Ohmic contact, laser bonded, for monolithic multicolour solar convertor 2−5601
GaAs-Ge superlattice, MBE growth 2−5001
GaAs-metal contact interface, metallurgical and elec. props., heat treatment effects *(Chinese)* 2−14692
GaAs-metal ohmic contacts, microstructure, correl. with elec. charact., electron microscopy obs. 2−20139
GaAs-metal-semiconductor FET, transient radiation study 2−14869
n-GaAs-molten salt electrolyte interface, mech. of charge transfer 2−5646
GaAs-n-AlGaAs heterostructure grown by MBE, growth temp. effect on two-dimens. electron gas mobility 2−5606
GaAs-n-AlGaAs heterostructure, MBE gram. effect of annealing on elec. props. 2−14679
GaAs-Nb, super-Schottky contact, electrical characteristics 2−1630
GaAs-oxide interface states: gigantic photoionization via Auger-like process 2−14718
n-GaAs-oxide layer, interface defect states effect on electronic props. 2−14717
n-GaAs-oxide-Au struct., forward biased, electroluminesc. 2−9515
n-GaAs-room temperature molten salt electrolyte interface, photoelectrochemical device operation 2−7995
GaAs-Si_3N_4 interface, trap studies 2−14715
GaAs-Sn layers, laser annealed, interface struct. and diffusion 2−14699
GaAs-SnO_x MIS solar cell, interface, Auger study 2−7996
GaAs-strained GaAsP-GaAs (100) heterostructure, electron transmission probabilities 2−5609
GaAs-ZnSe heterojunction interface, LPE conditions effect 2−25066
$GaAs_{1-x}P_x$, direct-gap, electron-hole plasma expansion, photoluminesc. study 2−14648
$GaAs_{1-x}P_x$ layers, mixed cryst. comp. rel. to vapour phase comp. in Ga-HCl-PH_3-AsH_3-(NH_3)-H_2 system 2−19405
$GaAs_{1-x}Sb_x$ p-n heterojunction, impact ionisation coeffs. for electrons and holes 2−25064
$GaAs_{1-x}Sb_x$ Schottky barrier quadrant detector development for 1 μm appl. 2−11494
$GaAs_{1-x}Sb_x$GaAs heterojunction cascade solar cell, LPE growth and photocurrent spectra 2−23433
GaInAs, grown by MOCVD, for microwave and optoelectronic appls. 2−5017
GaInAs layer growth by vapour phase heteroepitaxy, thermodynamic delineation 2−24302
GaInAs photodetector, 0.9 to 2.1 μm waveband 2−3168
GaInAs VPE growth, hydrides and organometallics methods *(French)* 2−8821
GaInAs-AlInAs structures grown by molecular beam epitaxy 2−8808
$Ga_{0.47}In_{0.53}As$ LPE, CVD and VPE layers, electron and hole mobilities of n- and p-type films 2−1196
$Ga_{0.47}In_{0.53}As$, LPE growth, baking temp. effect on purity, photoluminesc. and elec. props. 2−13823
$Ga_{0.47}In_{0.53}As$, low temp. LPE growth 2−8817
$Ga_{0.47}In_{0.53}As$, MESFETs, double heterostructure, molecular beam epitaxy 2−1394
$Ga_{0.47}In_{0.53}As$ uniform, MBE growth with rotating sample holder 2−8801
$Ga_{0.47}In_{0.53}As$:Be, MBE grown, Be doping 2−567
$Ga_{0.47}In_{0.53}As$:Sn, MBE layers, elec. props. 2−14639
$Ga_{0.9}In_{0.1}As$ photocathode with neg. electron affinity, photoelectron spectra 2−9355
$Ga_{1-x}In_xAs$ MOS structures, plasma anodisation and interface props. 2−25079
$Ga_{1-x}In_xAs$ uniform epitaxial layers, organometallic VPE growth, elec. charact. 2−13828
GaInAsP buried crescent laser emitting at 1.52 μm, dispersion effects 2−25781
GaInAsP, grown by MOCVD, for microwave and optoelectronic appls. 2−5017
GaInAsP laser diode freq. doubling in $LiNbO_3$:Ti waveguide, coherent green radiation source 2−6262
GaInAsP VPE growth, hydrides and organometallics methods *(French)* 2−8821
GaInAsP/InP DH lasers, optical gain spectra, temp. depend. 2−1938
GaInAsP/InP integrated twin-guide lasers for single-mode operation, fabrication techniques 2−6048
GaInAsP/InP surface emitting injection laser with buried heterostructures 2−10293
GaInAsP-InP BH distributed-Bragg-reflector integrated-twin-guide lasers, 1.58 μm wavelength 2−20879
GaInAsP-InP BH distributed Bragg reflector integrated-twin-guide laser emitted at 1.5 to 1.6 μm 2−20885
GaInAsP-InP DFB buried heterostruct. lasers, CW operation in 1.5 μm wavelength region 2−20891
GaInAsP-InP DH CW operated laser diodes, current dependence of temp. rise 2−20883
GaInAsP-InP DH laser material, nonradiative regions correlation with dislocation clusters 2−20887
GaInAsP-InP DH diode lasers emitting at 1.5 μm grown by LP-MO CVD 2−25782
GaInAsP-InP injection laser, fabrication and output characteristics 2−1944
GaInAsP-InP laser transmitter module, external cavity controlled single longitudinal mode 2−15506
GaInAsP-InP mode-controlled long wavelength lasers, BH, MSB and TS types 2−6225
GaInAsP-InP p-i-n and avalanche photodiode detectors for 1.1 to 1.6 μm operation, state of the art 2−7108
$Ga_xIn_{1-x}As_yP_{1-y}$ electron Hall mobility calc. with two longitudinal optic phonon model 2−9417
$Ga_xIn_{1-x}As_yP_{1-y}$/InP terraced substrate single-mode laser 2−10289
$Ga_xIn_{1-x}As_yP_{1-y}$/InP stripe lasers with chemically etched-mirrors, review 2−25785
$Ga_xIn_{1-x}As_yP_{1-y}$-InP laser, 1.3 μm, index-guiding struct. grown on terraced substrate 2−1964
$Ga_xIn_{1-x}P$-GaAs MBE DH, interface recombination vel. and misfit strain, photoluminescence study 2−9480
GaInSb transferred electron logic devices, high-speed switching appls., MSI density *(Japanese)* 2−5210
GaN film, RF reactively sputtered, dielec. props. 2−9757

III-V semiconductors continued
GaN, high pressure vapour growth 2−13822
GaP cryst., morphology and mechanism of growth from gas phase 2−13808
GaP, deep levels in light-emitting devices, electron trap and hole trap discharge rates temp. dependence *(Japanese)* 2−14647
GaP diodes, deep recombination centre parameters, TSC study 2−20231
GaP first dynode photomultiplier tubes, anomalous variations in dark pulse rate 2−20050
GaP high-temp. bipolar junction transistor 2−9624
GaP, impurity-doped, efficient linear IR to visible upconversion, IR detect. using NEA photocathode 2−10126
GaP LPE based Schottky barrier diodes, gamma-ray effect on V-I charcts. *(Russian)* 2−14834
GaP, lanthanide doping influence on elec. and photolum. props., LED material 2−24965
GaP layers, deposited on GaAs substrate, initial growth and defect struct. 2−24283
GaP light diode p-n structs., conversion of laser IR to visible radiation *(Russian)* 2−10170
GaP, MO-CVD growth 2−5018
GaP, p-n junction, pressure effects on avalanche breakdown voltage 2−14674
GaP, phase-conjugate refl. through degenerate four-wave mixing, 530 nm 2−20958
GaP, prep. by MO-CVD 2−24297
p-GaP, semiconductor electrodes, laser induced photoelectrochemistry 2−12762
GaP semiconductor Raman laser for far IR generation 2−20875
GaP substrates, LEC, microdefects study by TEM and etching 2−24960
GaP, surface EM waves in far IR 2−6039
GaP:Bi p-n struct., electrolum. and photoresponse spectra 2−20731
GaP:Cs secondary emitter *(Chinese)* 2−9359
GaP:Cu, TSC trace, estimation of capture cross sections 2−9438
GaP:Mg, ion implanted, minority carrier diffusion length meas. 2−14658
GaP:N, Al^{2+} postimplantation gettering effects in p-n junctions 2−9485
GaP:N LED, multiplexed excitation, optimised current control 2−10169
GaP:Te, kinetic model for dopant incorporation during VPE 2−24294
GaP:Zn, green emitting LEDs, long term stability 2−20761
p-GaP/Au-Zn contact system, out-diffusion process, barrier metals effect 2−25069
n-GaP/stearic acid, surface pot. studies on Langmuir-Blodgett films 2−14719
GaP-Au surface barrier structs., elec. breakdown mechanisms 2−9501
n^+-GaP-p-Si heterojunctions, elec. and photoelec. props. 2−25063
GaP-Pd diode, H sensitivity, substrate effect 2−9618
n^+-GaP-stearic acid-Au MIS Schottky diodes, elec. and photoelec. props. 2−20228
GaSb amorphous film, flash evaporated, electronic props. 2−24973
GaSb, electron transport and conduction band struct. 2−24963
GaSb epitaxial layer growth, on InAs substrates 2−24282
GaSb, p-n junction, pressure effects on avalanche breakdown voltage 2−14674
GaSb single crystals, with low dislocation density, LEC growth technique 2−13806
GaSb, undoped single crystals, obs. of growth striations 2−19400
n-GaSb:S, minority carrier diffusion length, photoconductivity study 2−9441
GaSb:S MBE film, S doping with H_2S gas 2−20187
GaSb:Te and GaSb:Te,Zn, charge transport charcts., 80 to 700K 2−20080
GaSb-AlSb-InAs polytype superlatticesand multi-heterojunction charcts. 2−1218
GaSe, slowly relaxing cond. and elec. memory effect 2−14630
n-gas methodic error in carrier conc. meas. by far IR absorpt. 2−5550
Ge-GaAs eutectic alloy, thermo-EMF and thermal cond., temp. depend. thermal quality factor 2−5531
Ge-GaAs interface grown by MBE 2−1217
Ge-GaAs n-n heterojunction, electron transport 2−5603
Ge_3N_4-n-GaAs MIS devices, interface charcts. determ. 2−14883
In-Ga:Cr-In struct. with S-type I-V charcts., field distrib., switching mechanism 2−20156
In-Ga-P-As, LPE growth in vertical furnace 2−24284
InAlAs/InGaAs MBE layer structs., ion beam anal. 2−19413
InAlAs-InGaAs interface, MBE, channelling anal. 2−5610
InAs, anisotropy effects in vapour epitaxy, growth rate and surface microrelief 2−587
n-InAs, magnetoresist. hysteresis in elec. field 2−9440
InAs:N_2^+ ion-implanted amorphous and crystalline film prep., electrical conductivity and Hall mobility 2−5569
InAs-GaSb flat-band semicond. heterostructures, electronic props. 2−1219
InAs-GaSb superlattices in high magnetic fields, band struct., elec. and optical props. 2−14688
n-InAs-SiO_2-Si hybrid struct., elec. cond. and capacitance 2−14739
n-$InAs_{0.65}P_{0.35}$, transverse magnetoresist., Boltzmann equation calc. 2−14649
InAs(P)(Sb) inversion layer transport, insulator properties 2−1236
$InAs_{1-x-y}P_xSb_y$, LPE growth on InAs substrate 2−19419
InAsSb photodetector hybrid IR imaging focal plane arrays 2−22270
$InAs_{1-x}Sb_x$ alloys, epitaxial growth by MOCVD 2−4993
InGaAs back-illuminated pin photodiode, fibreoptic communication appls., 1.3-1.6 μm region 2−6105
InGaAs pin photodiode-bipolar transimpedance preamplifier high-speed optical receiver, 1.3-1.5 μm 2−22281
InGaAs, reduction in dislocation densities in MBE step graded growth 2−8804
InGaAs VPE 1.0 to 1.7 μm photodiodes, low-leakage, high-efficiency 2−1802
InGaAs/InP heterojunction switching photodiode, anomalous props. 2−15409
InGaAs/InP heterojunction phototransistors performance comparison with p-i-n FETs and APD-FETs, optical fibre communication systems 2−20745
InGaAs-InP, avalanche photodiode, low leakage, LPE-grown 2−1811
InGaAs-InP BH lasers, with LPE burying layers, CW operation at 1.65 μm 2−25779
InGaAs-InP heterojunction LEDs, influence of Mg doping on cutoff freq. and light output 2−20758
InGaAs-InP photodiode coupling to optical fibre, quartz block construction 2−9981
InGaAs-oxide, native grown plasma oxides and inversion layers 2−20199

III-V semiconductors continued
$In_{0.05}Ga_{0.95}As$-$In_yGa_{1-y}As_{1-x}P_x$-GaAs heteroepitaxial system, dislocation struct., buffer layer effect 2−19409
$In_{0.53}Ga_{0.47}As$ avalanche and PIN diodes, dark currents and min. detectable powers 2−15408
$In_{0.53}Ga_{0.47}As$, electron transport and photoluminesc. meas. 2−1193
n-$In_{0.53}Ga_{0.47}As$, electron drift velocity meas. at 300K using microwave time-of-flight technique 2−14638
$In_{0.53}Ga_{0.47}As$, near-band-gap absorpt. and photolum. 2−20729
$In_{0.53}Ga_{0.47}As$ on InP substrate, Mn as p-type dopant, distrib. coeff., room temp. mobility and diffusion coeff. 2−14759
p-$In_{0.53}Ga_{0.47}As$, photoexcited minority electrons, velocity field charact. 2−1172
$In_{0.53}Ga_{0.47}As$ very shallow junction gate struct., MBE growth, elec. charact., JFET device appls. 2−14867
n-$In_{0.53}Ga_{0.47}As$/n-InP heterobarrier diodes charact. 2−10148
$In_{0.53}Ga_{0.47}As$-InP avalanche photodiodes, excess-noise and receiver sensitivity measurements 2−15401
$In_{0.53}Ga_{0.47}As$-InP FET, short-gate, ballistic transport 2−25250
$In_{0.53}Ga_{0.47}As$-InP planar p-i-n photodiodes, low dark-current, high efficiency 2−10146
$In_{0.53}Ga_{0.47}As$-Si_3N_4 n-channel inversion mode MISFET 2−9653
$In_xGa_{1-x}As$ epitaxial layers, electron mobility *(Czech)* 2−5558
InGaAsP alloys, VPE growth by single flat temp. method 2−581
InGaAsP avalanche photodiodes, ionisation coeffs., excess noise charact., temp. depend. 2−10150
InGaAsP, avalanche and PIN diodes, dark currents and min. detectable powers 2−15408
InGaAsP DH, electroluminescence, efficiency and kinetics 2−10174
InGaAsP DH layers, laser charact., nonradiative recomb. effect 2−20901
InGaAsP diode to single-mode fibre efficient coupling using two lens combination in confocal condition 2−9993
InGaAsP grown by LPE, layer thickness calc. 2−24300
InGaAsP, high purity grown by liq. phase epitaxy 2−19417
InGaAsP high T_0 low threshold crescent-shape mesa substrate buried heterostruct. laser fabrication 2−25784
InGaAsP injection laser, metallisation and heat sink problems 2−6218
InGaAsP inverted rib-wavelength lasers, fabrication and operation characteristics 2−15505
InGaAsP lattice, matched to InP, growth and charact. review 2−8812
InGaAsP long-wavelength laser devices, recent developments 2−10301
InGaAsP low threshold DH lasers double clad with InGaAsP confining layers 2−20881
InGaAsP, material requirements for near IR photodetectors, LPE and VPE growth techniques 2−9435
InGaAsP modulated single-longit. mode semicond. laser and fibre transmission charact. at 1.55 μm 2−10331
InGaAsP, monolithic integration of optical sources and detectors 2−6035
InGaAsP n-channel inversion mode MISFET with low interface state density 2−9658
InGaAsP, ohmic contacts, low specific contact resistance, metallisation 2−1237
InGaAsP ridge waveguide laser performance at 1.3 μm 2−10302
InGaAsP short cavity single-mode 1.3 μm lasers with evaporated high-reflectivity mirrors 2−20882
InGaAsP/InP 1.3 μ laser material, meltback and pullover as causes of LPE growth disturbances 2−24285
InGaAsP/InP diode, 1.5 μm wavelength laser light emission, detection by IR excitable phosphors 2−10128
InGaAsP/InP Z 2−10399
InGaAsP/InP:Cd DH lasers, LPE growth 2−8802
InGaAsP-InP, LED, 1.3 μm with internally defined emission area, prep. by single step LPE process 2−20757
InGaAsP-InP 1.3 μm LPE and VPE grown edge-emitting LEDs 2−6116
InGaAsP-InP buried heterostructure lasers, fabrication and application to fault location measurement 2−1943
InGaAsP-InP buried DH lasers with chemically etched mirrors 2−10292
InGaAsP-InP CW lasers, low-threshold-current, distributed feedback 2−25778
InGaAsP-InP DH LEDs, epitaxially grown layers, contact resistance 2−1816
InGaAsP-InP DH laser, elec., threshold and temp. charact. analysis 2−1949
InGaAsP-InP DH LED, accelerated aging and high temp. degradation 2−6117
InGaAsP-InP DH laser Gbit/sec pulse generation, gating with $LiNbO_3$ waveguide modulator 2−6230
InGaAsP-InP DH laser, degradation obs. by electron probe microanal. 2−25769
InGaAsP-InP DH laser, degraded, lattice defect struct., SEM and TEM study 2−25772
InGaAsP-InP DH lasers, gain meas. in 1.3 μm 2−25787
InGaAsP-InP diode lasers, intrinsic saturable absorption anal. 2−2002
InGaAsP-InP distributed-feedback BH lasers emitting at 1.57 μm, room-temp. CW operation 2−20884
InGaAsP-InP dual wavelength lasers emitting at 1.2 μm and 1.3 μm wavelengths 2−20889
InGaAsP-InP dual wavelength transverse junction stripe lasers emitting at 1.17 μm and 1.3 μm 2−20890
InGaAsP-InP integrated LED-detector device 2−25637
InGaAsP-InP LEDs, performance charact. and extended lifetime data 2−1819
InGaAsP-InP laser, current injection induced acoustic signals 2−1952
InGaAsP-InP laser, Sn doping of active region 2−25140
InGaAsP-InP plano-convex waveguide 1.3 μm laser, transverse mode stabilisation 2−1946
InGaAsP-InP planar buried heterostruct. laser diode with low threshold current fabrication byLPE technique 2−20886
p-$In_{0.75}Ga_{0.25}As_{0.55}P_{0.45}$:Cd LPE layer, doping charact. and elec. props. 2−20186
$In_{1-x}Ga_xAs_{1-y}P_y$ laser and LED reliability for fibre-optic communications 2−2811
$In_{1-x}Ga_xAs_{1-y}P_y$/InP LPE heterostruct., misfit dislocation-free, growth conditions 2−566
$In_{1-x}Ga_xAs_{1-y}P_y$-InP buried-crescent laser diode 1.3 μm fundamental transverse mode and life test 2−1968
$In_{1-x}Ga_xAs_yP_{1-y}$ LEDs, hot carrier effects 2−10166
$In_{1-x}Ga_xAs_yP_{1-y}$ lattice matched to InP, comp. depend. of mobility, peak vel. and threshold field- 2−5570
$In_{1-x}Ga_xAs_yP_{1-y}$, temp. depend. of transferred electron threshold current 2−9420
III-V semiconductors continued
$In_{1-x}Ga_xAs_yP_{1-y}$ ultrashort cavity lasers, optically pumped, picosec. operation, 0.83-1.59 μm 2−10297
$In_xGa_{1-x}As_yP_{1-y}$, stabilisation by InP substrate inside unstable region in LPE 2−24310
$In_{1-x}Ga_xAs_{1-y}Sb_y$ LPE growth with enriched composition on InAs substrate 2−13825
$In_{1-x}Ga_xP$, metallorganic VPE 2−569
$In_xGa_{1-x}P$, MBE growth on GaAs, at high substrate temps. 2−14643
InGaPAs DH diode laser on GaAs substrate, fabrication and visible light emission 2−10294
InGaSbP photodiodes, transient irrad. effects 2−25622
InP, amorphisation and low temp. recrystallisation 2−9419
p-InP based photocathodes, solar to H_2 conversion, polycryst. films improvement by reacting Ag with grain boundaries 2−23403
InP, deposition of SiO_2 and Si_3N_4 films by plasma enhanced CVD 2−19449
InP, diffusion of Cd at 680°C, p-n function formation 2−9554
InP, directional reactive ion-etching, with Cl_2 containing gases 2−1312
InP epitaxial film, metalorganic CVD, elec. props. 2−14641
InP epitaxial layer, defect obs. and correl. with device performance 2−1198
InP, fabrication of n-channel MISFETs for logic appl. 2−25223
InP films, grown on faceted (0001)CdS substrates, small angle grain boundaries 2−1179
InP, growth and cryst. quality by liq. encapsulated Czochralski technique 2−4983
InP Gunn oscillators, MM-wave quasi-optical power combiner using open resonators 2−24687
InP Gunn oscillators in V-band 2−755
InP Gunn-effect oscillators used as MM-wave self-excited mixers, noise figure 2−19891
n-InP, γ-irradiated, homogeneously compensated, electron mobility at low electron density 2−14652
InP high efficiency MM wave transferred electron oscillators fabricated by LPE 2−24696
InP, high purity grown by liq. phase epitaxy 2−19417
InP IGGETs, n-channel, virtual self-aligned process 2−9654
InP inversion-mode MISFET, pyrolytic Al_2O_3 deposition temp. effect 2−9659
InP, ion-implanted, CW laser annealing, amorphous layer recrystallisation 2−1192
InP, ionisation coeffs., excess noise charact., temp. depend. 2−10150
InP, LPE film growth for MESFET appl. 2−4989
n-InP LPE layer, donor-acceptor pair recomb. from donor ground and first excited states 2−1197
InP, LPE-grown, effect of substrate orientation on electrical properties 2−14636
InP, liq. encapsulated Czochralski growth, B contamination and precipitation 2−4979
InP MIS triodes, surface controlled, as luminescent devices, surface inversion charge density meas. 2−1814
InP MISFET with thermally oxidised InP-InP interface, current drifting behaviour 2−20252
InP MISFETs, n-channel, enhancement and depletion mode, fabrication for logic appls. 2−25263
InP MM-wave dielectric image line self-mixing Gunn oscillator 2−940
InP MM-wave Gunn diode circuits, status and trends 2−946
InP MM-wave n^+-n-n^+ transferred electron oscillators, efficient fundamental freq. oscillation 2−9221
InP, MM-wave transferred electron oscillators 2−953
InP, MOCVD 2−603
InP MOSFETs, anodic oxide film as gate insulator 2−25222
InP, microwave MISFET technology 2−1396
InP n-channel inversion mode MISFET using P_3N_5 gate insulator 2−25228
InP, ohmic contacts, low specific contact resistance, metallisation 2−1237
InP oscillators employing cavity stabilisation and pulsed priming techniques 2−941
InP, oxidation, optically enhanced with visible laser light 2−14788
InP, plasma etching of micron size features using freons and other electronegative gases, discharge effects 2−9585
InP, polycrystalline, low temp. growth, elec. props. meas. 2−13810
InP pulsed transferred electron oscillator, 60 GHz, high efficiency 2−19868
InP, semi-insulating, Fe and Cr redistrib. 2−5689
n-InP single cryst., electron mobility and minority carrier lifetime 2−9428
InP single crystal, lateral growth over dielec. films by orientation-depend. VPE 2−19414
InP single crystals, n- and p-type, phototransport parameters, application in solar cells 2−6095
InP, sputter deposition of InP oxide films for MOSFET appls. 2−20263
InP surface, n- and p-type, lightly doped, ohmic contacts 2−5612
InP, VPE deposition on GaAs substrate in InP-PCl_3-H_2 system, layer quality and elec. props. 2−13813
InP, VPE on InGaAs, growth for photodiode appl. 2−24298
InP:B(Si)(Se), ion implanted, stoichiometric disturbances 2−1294
InP:Co, single cryst. growth and elec. props. 2−4980
n-InP:Cu, homogeneously compensated, electron mobility at low electron density 2−14652
InP:Fe, Mg(Zn), ion implanted, struct. and elec. props. 2−14761
InP:Fe, thermally stimulated cond. investigation 2−14644
InP:O, horizontal Bridgman growth, O doping effect, Hall effect meas. 2−9558
InP:S VPE layers, effect of doping on mobility, Hall effect and magnetoresistance meas. 2−24991
InP:Se, backscattering spectrum, channelling meas. using automatic beam alignment 2−11875
InP:Se, ion implanted, pulsed laser annealing 2−14789
InP:Se^+, ion implanted, Rutherford backscatt. and ellipsometry 2−9560
InP:Si, capless annealing, for microwave devices 2−1319
InP:Si, ion implanted, electron pulse annealing with minimal P loss 2−14781
InP:Zn, p^+n junction diodes and Schottky barriers, deep levels, Zn diffusion effects, DLTS study 2−9427
InP/Ag Gunn diode ohmic contacts, microstructure, correl. with device performance 2−25076
InP/InGaAsP/InP double heterojunction double drift-region avalanche diode *(Chinese)* 2−1331
InP-based, fundamental physics and feasibility of efficient cell fabrication 2−23455

III-V semiconductors continued
InP-GaInPAs based channel heterojunction LEDs for fibre-optics communication lines 2−10175
InP-$In_{1-x}Ga_xAs_{1-y}P_y$ PIN photodiodes for fibre-optic communications 2−6845
InP-$In_{2-x}Sn_xO_{3-y}$ solar cell fabrication, appl. of RF and ion-beam sputtering 2−23594
InP-InGaAs small area high speed photo-transistor, fabrication and characts. 2−10137
InP-InGaAsP, DH laser wafer, LPE growth and struct. 2−25791
InP-InGaAsP avalanche photodiodes, hybrid, performance charact. 2−10145
InP-InGaAsP DH lasers, bistable operation by optical injection 2−15504
InP-InGaAsP heterostructure, electrolum. polarization due to internal strain 2−25605
InP-InGaAsP planar avalanche photodiodes, 1.3 μm wavelength 2−10139
p-InP-liq. electrolyte interface, Fermi level pinning rel. to photoelectrochem. energy conversion 2−5644
InP-metal interfaces, atomic and electronic struct., XPS and elec. meas. 2−5631
InP-metal ohmic contacts, microstructure, correl. with elec. charact., electron microscopy obs. 2−20139
InP-$SiO_2(Si_3N_4)$ MIS capacitors, interface props., C-V meas. 2−5635
n-InP-Sn-Au alloyed ohmic contact formation, contact resistance depend. on annealing temp. 2−5633
InP-ZnO heterojunction solar cells prep. using reactive evaporation, props. 2−8007
n-InSb, acoustic wave multitransit generation in elec. field 2−5562
InSb, anal. and control of solidification by differential dilatometry 2−559
InSb, anodic oxide film, comp. and dielec. strength, SIMS study 2−25160
InSb, ballistic electron transport in nonparabolic band struct. 2−1174
InSb, conductivity fluctuations in crossed elec. and mag. fields 2−5564
InSb dielectric response function for sub-MM radiation interacting with quasi-free carrier gas, high mag. field 2−20086
p-InSb diodes, injection amplification under illum. with impurity-absorbed radiation 2−20748
n-InSb, electron drift vel. under impact ionisation conditions at 77K 2−5565
InSb, epitaxial growth by laser evaporation, pulsed heating of substrate effect 2−24304
p-InSb, extrinsic semicond., magnetoconc. effect 2−5561
p-InSb film, hydrogenated, elec. transport props. 2−5553
InSb film, multi-pass zone melting 2−24317
InSb hot electron bolometer, mixer for far IR heterodyne detector 2−7102
n-InSb, hot electrons, energy loss mechanisms 2−14642
n-InSb, hot electrons, noise and diffusivity 2−24977
n-InSb, IR emission under crossed elec. and mag. fields 2−1928
InSb, impact ionisation threshold at 77K 2−9418
n-InSb, Landau levels nonthermal broadening, transverse magnetoresist. and photomag. effect 2−5560
InSb, large refractive index nonlinearities and optically bistable devices 2−10367
InSb laser cyclotron resonance, Zeeman absorpt. 2−20058
p-InSb, light and heavy hole mobility and conc., effect of dislocations *(Russian)* 2−14657
InSb, MBE, RHEED study of free Sb surface lifetime on InSb 2−19436
n-InSb, magnetophonon effect of hot electrons 2−14659
n-InSb, nonreciprocal semiconductor devices employing the magnetoplasma reflection minimum effect at MM-wave 2−934
InSb, optical bistabiity and trasphasor action 2−10351
InSb optical consts. meas. at 4.2K and 1.5K in spectral region below 40 cm^{-1} 2−22417
InSb, photoexcited hot carriers, far IR cyclotron reson. and emission 2−24980
InSb, photoexcited hot carrier lifetime, magnetophonon oscillations 2−24982
InSb, polycrystalline, effect of grain boundaries on transport mechanism 2−14881
InSb ring-channel waveguide, bistability anal. 2−15323
InSb, spin-flip Raman gain, effective g-value and radiation absorption under transient elec. field conditions 2−6261
InSb:N_2^+ ion-implanted amorphous and crystalline film prep., electrical conductivity and Hall mobility 2−5569
n-InSb-metal contacts, asymmetric current effects of 1/f noise with appl. mag. field 2−5624
n-InSb-SiO_2-Si hybrid struct., elec. cond. and capacitance 2−14739
InSe, slowly relaxing cond. and elec. memory effect 2−14630
In_2SnO_3-InP solar cells fabrication and charact. 2−23456
$LiNbO_3$-InSb film struct., acoustoelectronic interaction, quantum size effect 2−25093
Pd-GaAs Schottky diodes, current-voltage and capacitance-voltage charact., electron irrad. effects 2−9500
SiO_2-GaAs interface, props. of spin-on interfaces 2−1389
T 2−20880

III-VI semiconductors
As_2Te_3-InSe, thermoelectrical props. 2−5586
GaSe, diodes, Schottky barrier study, photo-EMF 2−9622
GaSe, down conversion improvement of $LiNbO_3$ optical parametric oscillator output 2−10352
GaSe, γ-neutron and electron irrad., photosensitivity 2−9476
GaSe, injection-induced impurity breakdown, low freq. current oscills. 2−9472
GaSe, photocurrent oscills. due to internal interf. of light 2−20721
p-GaSe single crystal, photoconduction measurements 2−25564
GaSe, single crystals, IR quenching of photoelectrical memory *(Russian)* 2−20076
p-GaSe-n-CdTe heterojunction, photo-emf, I-V charact. *(Russian)* 2−1227
p-GaSe-n-$CuInSe_2$ heterojunction, photoelec. and elec. props. 2−9491
Ga_2Se_3-In_2Se_3 thin films, elec. and optical props. 2−1216
In-Se system, phase diagram 2−558
InS heat capacity meas., rapid method 2−26984
In_2S_3 polycrystalline and amorphous film, manufacture and appls. *(Russian)* 2−1212
InSb-based MIS struct., carrier generation processes under nonequilib. depletion conditions 2−9516
InSe, cryst. and amorphous, elec. and photoelectrical props. 2−25030
InSe, cryst. growth 2−558
InSe, photocurrent oscills. due to internal interf. of light 2−20721
III-VI semiconductors continued
InSe, single crystal, IR quenching of photoelectrical memory *(Russian)* 2−20076
InSe solar cells transport and photovoltaic props. 2−23458

I^2L
10K technology from RTC, for custom-built specific ICs *(French)* 2−14978
ADC AD571, ionising radiation effects, SEM anal. 2−14187
AM/FM radio synthesizer using ECL/I^2L circuitry 2−2891
analogue/digital LSI, process and device technologies, I^2L devices 2−25332
bipolar LSI devices, latch-up anal. procedure 2−14971
cells and circuit development, new contributions *(Croatian)* 2−9729
D/A convertor with 14-bit revolution 2−19738
epitaxial collector I^2L/MTL technology, some device aspects 2−20384
fabrication using different process conditions 2−20387
flip-flops design, using new coupling techniques 2−19645
FM stereo decoding IC with birdie noise cancelling circuit using I^2L and bipolar transistors 2−2893
gate array GAB-4000 design and fabrication 2−14963
I^2L/MTL high-speed split-emitter memory cell fabrication 2−24517
improved I^2L for multivalued logic 2−14085
laser recrystallised poly-Si for high performance I^2L 2−20383
level convertor for MTL and injection current switch logic 2−24636
many-valued logics design 2−14084
microprocessor chip, 16-bit, 1.25 μm min. geometry, electron-beam direct writing, ion implants, plasma etching 2−20388
microprocessors and logic devices, cosmic ray induced errors 2−14151
multiple valued logic circuit design using I^2L 2−5191
multivalued combinatorial circuits dual radix logic 2−14089
propagation delay time, calculated using two dimensional simulation of bipolar devices 2−5731
quasi-three-dimensional modelling, efficient AC and DC anal. 2−25333
symmetrical cell up-diffused I^2L 2−14061
transistor circuits ILSIM simulation and test program *(German)* 2−24497
vertical pnp and npn and transistors, compatible process for integration , appl. to MTL 2−5733
VLSI technology, low-power I^2L/MTL ccts and high-performance ccts, optical lithography, potential appls. 2−20393
XR-400 Master-Chip, semi-custom I^2L IC 2−14976
GaAs bipolar IC technology development 2−14987

illumination *see lighting*

image amplifiers *see image intensifiers*

image convertors
see also fluorescent screens; image intensifiers
electron-optical, Al foil focusing coils construction 2−2106
electron-optical, cathode grid parameters analysis 2−24885
high voltage magnetically focused, aberrations and transverse field effects 2−22160
high-speed image convertor camera for time resolved image sequence recording in liquid dielec. prebreakdown gas phase 2−1483
high-speed image convertor camera with laser illum. for obs. of prebreakdown and breakdown phenomena in hydrocarbons 2−1486
IR and microwave fields distributions meas., using photographs equidensity technique 2−3068
IR image convertor for fault detect. in microelectronic components by thermal charact. anal. *(German)* 2−16848
liquid crystal light valve using photocond. $Bi_{12}SiO_{20}$, incoherent to coherent image conversion appl. 2−6067
microchannel plates, MTF estimation 2−3084
Pyricon, thermal IR sensitive image tube with pyroelectric target, expt. and appls. *(French)* 2−16860
time-resolved schlieren photographs, image convertor camera, prebreakdown density change and current of transformer oil 2−1522
X-ray stereoscopic image display *(Chinese)* 2−16847
$Bi_{12}SiO_{20}$ optical image convertor, effect of electron-hole recomb. on performance 2−22159

image iconoscopes *see television camera tubes*

image intensifiers
autoradiographic intensification of electronographic imagery 2−16861
development *(German)* 2−7044
electrographic camera, superconducting magnet homogeneity, stabilisation *(Chinese)* 2−9946
microchannel image intensifier 2−22163
microchannel plate development and appls. 2−1128
quantum, dye-laser based, using rhodamine 6G solution in ethanol *(Russian)* 2−11380
radiography, γ- and X-ray, intensifying screen material, atomic mass effects *(German)* 2−13901
UV imaging detectors, review 2−11480
X-ray stereoscopic image display *(Chinese)* 2−16847
GaAs photocathode appl. *(French)* 2−1383

image orthicons *see television camera tubes*

image processing *see picture processing*

image sensors
see also television camera tubes
adaptive threshold technique for local clutter suppression 2−2372
amorphous Si electronic devices, review 2−25258
area image sensor CCD221, appl. to TV cameras 2−11200
array architecture, isolation techniques, improvements 2−16973
C-CD, dark-current nonuniformity meas. 2−11388
C-CD, employed in colour TV design 2−11201
C-CD, use for domain pattern obs. 2−22366
C-CD imager, gamma radiation induced noise 2−15001
C-CD imager test system design 2−22100
C-CD imager with very low smear level 2−11385
C-CD linear image sensor, 2048-element array, novel photosensing region struct. 2−7042
C-CD linear image sensor with buried overflow drain structure 2−14992
C-CD solid state image sensor for color TV camera 2−11218
C-CD three-colour three-channel image sensors, anal. 2−10162
C-CD virtual phase imager, radiation effects 2−14998
CCD sensors, production appl. *(German)* 2−26858
charge-injection device array detector, determination of ultraviolet and visible spectral response 2−3070
digitiser, function and industrial appl. 2−22276
document scanning using CCD arrays, dark current level compensation, automatic calibration using microprocessor 2−22156
fluorescent image recording system 2−26774

image sensors continued
high speed tapped CCD photodiode linear image sensor 2−10144
iida, H. (Hamamatsu Systems, Inc., Waltham, MA, USA), available equipment survey 2−7039
image reconstruction using laser beam system *(French)* 2−22205
instantaneous-action TV image dissectors and applications 2−26778
integrated photosensors and imaging devices using Se-As-Te amorphous chalcogenide 2−26860
intelligent high-speed image-scanning/recording system, design considerations 2−16857
IR focal plane arrays 2−22270
laser to sensor automatic boresight for laser designator 2−7381
liquid crystal light valve, photosensitive MIS structure, as dynamic image transducer 2−6066
microscope with photoelectric sighting of object's edges, for components dimensions meas. 2−7105
MM-wave forward-looking imaging radiometers, appls. near Earth's surface, multibeam sensors 2−7451
MM-wave radiometer, 4-channel amplitude comparison type, passive short-range guidance appls. 2−26784
MOS solid state imaging device, use with memory VLSIs 2−16651
multispectral scanner test-bed aircraft system, radiometric performance 2−3545
optical field phase struct. recording feasibility by acoustooptic method 2−20699
photodiode-array based Linescan cameras, industrial robots appl. 2−7094
picture sensors for industrial appls. *(German)* 2−3149
pyrovidicons using infrared imaging sensors *(Japanese)* 2−9375
range finding technique, using laser spot scanner and solid-state image sensors 2−16512
robots development, multi-sensor system using three-dimensional vision 2−7093
robots vision systems development, for industrial control 2−7092
scene-based nonuniformity compensation for imaging sensors 2−27304
selectable multiple port scanning array 2−22157
self-scanned image sensors, operation and review of currently available devices 2−7036
semiconductor, comparison of CCDs, charge-injection devices and photodiodes *(German)* 2−26859
semiconductors image sensors in TV cameras *(German)* 2−11202
small-computer digital image analysis system using image pickup equipment and optical microscope 2−16867
solid-state image sensors for use in video cameras 2−2952
spectral measurement, multichannel, for weak light 2−16981
stereoscopic vision system, for width meas. of hot rolled strip 2−11484
X-ray projector, real-time TV images formation 2−22158
AlGaAs-GaAs, heterojunction CCD images 2−3089
$PbTiO_3$ ferroelectric thin film, prep. by sputtering and laser annealing, device appls. 2−1509
Si, amorphous, IGFET, appl. to addressable image sensing arrays 2−25244

image storage tubes
camera tubes, review *(Japanese)* 2−9374
storage oscilloscope techniques and features 2−11507
variable-persistence oscilloscope theory and applications 2−11508

images, optical *see optical images*

imaging, acoustic *see acoustic imaging*

imaging, infrared *see infrared imaging*

IMMA *see ion microprobe analysis*

immittance, electric *see electric immittance*

immittance, electric, measurement *see electric immittance measurement*

impact avalanche transit-time diodes *see IMPATT diodes*

impact ionisation
avalanche breakdown phenomena, temp. variations for transistors and diodes 2−9620
floating gate ionisation injection MOS (FIMOS), n-channel, one dimensional writing model 2−1375
gate-controlled diodes, avalanche breakdown characts. study 2−9621
hot carriers in semiconductors, conf., Montpellier, France (July '81) 2−23866
III-V semiconductors, alloy clustering effects 2−24988
IMPATT device, hot carriers, high freq. behaviour, semiparticular simulation 2−25190
IMPATT diode, HF energy relaxation effects on injected current pulse 2−14827
optical thin-film coating, pulsed laser-induced damage, theory 2−6252
p-n junctions, impact ionisation parameters determ. from current multiplication coeff. 2−9487
reverse-conductivity modulator thyristors, turn-on process, avalanche injection form. 2−1368
semiconductor, current controlled negative resist. and generation-recomb. induced nonequilib. phase transitions, impact ionisation model 2−24902
semiconductor, direct band gap, effect of electroabsorption on ionisation coeff. determ. 2−9387
semiconductor, electron transport in presence of impact ionisation 2−1142
semiconductors, impact ionisation coeffs. determ. 2−9494
AlGaAs-GaAs ultra-low-noise avalanche photodiode with separated electron and hole avalanche regions 2−20740
$Al_xGa_{1-x}As$, alloy clustering effects on impact ionisation 2−24988
$CdF_2:Ho^{3+}$-Au LED, electrolum. 2−25641
GaAs hyperabrupt junctions, avalanche breakdown voltage calc. 2−14683
GaAs, impact ionisation, band struct. depend. 2−24934
GaAs p^+-n junction, impact ionisation coeffs. determ. 2−9494
n-GaAs, periodic oscills. and turbulence of hot-carrier plasma at 4.2K 2−24975
n-GaAs, photocurrent noise caused by impact ionization of neutral donors and free/bound excitons 2−24992
GaAs Schottky light emitter for surface avalanching and electrolum. studies 2−15419
$GaAs_{1-x}Sb_x$ p-n heterojunction, impact ionisation coeffs. for electrons and holes 2−25064
GaP-Au surface barrier structs., elec. breakdown mechanisms 2−9501
Ge, p-n junctions, second breakdown patterns 2−9498
n-InSb, electron drift vel. under impact ionisation conditions at 77K 2−5565
InSb, impact ionisation threshold at 77K 2−9418
MOSFET, impact ionisation through surface states 2−9657
NaCl, focused laser beam deform., multiphoton polaron and avalanche optical breakdown models 2−6250

impact ionisation continued
Si extrinsic focal plane arrays, influence of material props. 2−11495
Si, impact ionisation, band struct. depend. 2−24934
Si p^+-n-n^+ structure, avalanche breakdown calcs. 2−25194
SiO_2 breakdown detector, impact ionisation model, fission product detection 2−11846
SiO_2-Si, avalanche electron injection, interface states generation 2−9506
(Zn,Cd)S:Ag,Cl DC electrolum. powder cell, donor-acceptor recombination luminesc. 2−25614

impact strength
see also fracture toughness; notch strength
steel, austenitic stainless, N strengthened, props., for cryogenic magnet structs. 2−8840
welding gas main pipes with low-alloy wire electrode, weld impact strength 2−23802

IMPATT diodes
63-W W-band injection-locked pulsed solid-state transmitter using IMPATT power combiners 2−26527
100 GHz solid-state devices for communications appls. 2−5364
amplifier, nonlinear distortions *(Russian)* 2−723
autodyne using IMPATT diodes, load-noise characteristics 2−9233
avalanche breakdown, effect of GaAs epitaxial film defects and conc. nonuniform. *(Russian)* 2−1341
CW 40 GHz, chip level combining 2−24698
distributed, microwave signal modulation appl. 2−948
flat-profile IMPATT diodes for Ku-band frequencies 2−20226
high-frequency, energy relaxation effects on injected current pulse 2−14827
hot carriers, high freq. behaviour, semiparticular simulation 2−25190
intrinsic noise study for GaAs and Si diodes 2−1340
microwave detection in amplification mode, appls. 2−19883
MM-wave microstrip IMPATT diode oscillator for 100 GHz, variable-freq. design 2−19889
operation and appls. for 1 GHz region 2−9230
oscillators, FM noise reduction by laser illumination 2−14299
oscillators, Si, MM-wave, high efficiency, 40-140 GHz 2−14298
power combining arrays, radial-symmetric N-way TEM-line 2−24701
pulsed Si Impatt diode microwave oscillators *(German)* 2−20229
pulser cct. with protection against failure 2−5163
GaAs IMPATT diode, electrons and holes ionisation rates study using computer anal. 2−9616
GaAs, technological review, HF device appl. 2−20074
GaAs-$Al_xGa_{1-x}As$ diode struct., elec. charact., gamma radiation effect 2−25200
Si, fabrication techniques 2−19871
Si MM-wave IMPATT sources and combiners for 110 to 260 GHz range 2−24699

impedance, acoustic *see acoustic impedance*

impedance, electric *see electric impedance*

impedance, electric, measurement *see electric impedance measurement*

impedance, measurement, electric *see electric impedance measurement*

impedance convertors
see also negative impedance convertors
No entries

impedance matching
broadband transmission-line transformer with vector impedances, equiv. representation 2−5387
broadbanding design problems, gain equalisation directly from data 2−19490
coupled transmission lines, used for multiport matching ccts. *(French)* 2−19491
HF circular antenna arrays 2−26060
hydrophone design, matched impedance, electrostatic approach 2−12108
Marchand balun, fourth order, graphs of circuit elements 2−927
matching network design studies for microwave transistor amplifiers 2−5123
microwave amplifier, wideband, high gain, using GaAs FETs 2−24411
MM-waveguide non-contacting backshorts for impedance matching, theory and design 2−24675
optimum matching of amp. with two parallel tuned ccts. connected in series 2−9010
passive devices for antennas/transmission lines 2−6366
pulse-shaping cct for high-press. inert-gas laser excitation 2−9057
RF wideband amplifiers, impedance adapting *(Rumanian)* 2−731
SAW broadband filters, realisation 2−9845
signal source and load, method of matching 2−8940

imperfections, crystal *see crystal defects*

impermeability *see permeability*

impulse amplifiers *see pulse amplifiers*

impulse generators *see pulse generators*

impulse testing
air gap electric strength in the presence of oscillatory voltage impulses *(Russian)* 2−12279
airborne power supply equipment parts, HV surge and partial discharge test 2−17515
digital impulse recorder for HV laboratories 2−22290
oil insulation AC and switching impulse strength measurements anal. using estimation method based on functional networks with fixed shape parameters *(Polish)* 2−27983
oil-filled model cables 2−3753
polyethylene terephthalate electrolum. with impulse voltage 2−5858
porcelain plate insulators electric strength under impulse voltage with steep leading edge *(Russian)* 2−27547
power transformers, impulse voltage tests *(German)* 2−18294
rod-plane gaps, sparkover characteristics of long fog-contaminated air gaps 2−12307
synthetic insulation disruptive strength dependence on electrical pre-stress *(German)* 2−20436
voltage generator automatic control system *(Finnish)* 2−27997

impulse voltages *see transients*

impulse welding *see resistance welding*

impurities
for impurity vibrations see "lattice localised modes" or "molecular vibrations in solids"
see also chemical analysis; crystal inclusions; crystal purification; diffusion in solids; impurity distribution; impurity electron states; interstitials; magnetic impurity interactions; semiconductor doping

impurities continued
chalcogenide glasses, review of studies at Ioffe Physical-Technical Institute, USSR 2−25004
coumarin 1-uranine energy transfer dye laser, charact. 2−10260
IC manufacture, contaminant identification in semiconductor processing 2−1412
p-n junction, dielectric constant, position depend., elec. field and charge density effect 2−14677
plasma polymerised, electron beam sensitive resist, Sn doping effect 2−9537
polystyrene film, undoped and doped with acrylic acid, elec. cond. 2−5641
semiconductor wafer surface contamination level meas. based on bulk lifetime 2−1313
solar cells, effect of O_2 impurities 2−23642
soliton-impurity interaction in nonlinear lattice, expt. using LC circuit 2−8964
GaAs electron mobility, space-charge and central-cell scatt. contrib. reassessment 2−9426
$Ga_{0.47}In_{0.53}As$, LPE growth, baking temp. effect on purity, photoluminesc. and elec. props. 2−13823
GaSe, injection-induced impurity breakdown, low freq. current oscills. 2−9472
InP, growth and cryst. quality by liq. encapsulated Czochralski technique 2−4983
InP, liq. encapsulated Czochralski growth, B contamination and precipitation 2−4979
Na-S battery, hollow fibre, recent developments and progress 2−12824
$PtSb_2$:Te, impurity conduction 2−1213
SF_6, positive ions in spark breakdown influence of N_2, O_2 and D_2O 2−1503
Si Czochralski crystal., elec. characterisation of cryst. defects and O_2 using gate controlled diode 2−14626
Si, defect introduction during prep. and device processing, book contrib. 2−1167
Si, defect-free device processing, book contrib. 2−1278
Si, impurities and defects, effect on semicond. technology, book 2−12
Si, impurity and defect characterisation techniques, book contrib. 2−1168
Si, semiconductor processing technology, trends, book contrib. 2−1279
Si solar cells, grain boundary hydrogenation and impurity gettering of crystalline grains *(Japanese)* 2−4357
Si solar cells, thermal stability of impurities 2−23512
Si substrates, Czochralski grown, O impurity influence on MOS device performance *(Japanese)* 2−9737
n-Si:Mn, residual cond., degree of compensation and impurity conc. effects 2−5539
Si:O(H)(F) evaporated amorphous films, DC cond., impurities effect 2−5580
Si:P film, polycryst., elec. charact., O content effect 2−1148
ZnS phosphor powder for electrolum. panels, UV light induced ageing, photoacoustic spectroscopy study 2−6101
ZnS, pure and doped crysts., surface microstruct., impurities effects 2−13805

impurity and defect absorption spectra of inorganic solids
fluoride glass, 3d transition element doped, IR impurity absorpt. losses 2−15286
glasses, highly conc., spectroscopic and lasing props. 2−25747
IV-VI semiconductor, defect states, optical and magneto-optical meas. 2−9469
As-S:H, amorphous plasma deposited coating, optical props. and EPR 2−25003
As-Se:H, amorphous plasma deposited coating, optical props. and EPR 2−25003
$BeAl_2O_4:Cr^{3+}$, alexandrite, ground-state and excited-state absorpt. meas. in lasing region 2−6201
$BeAl_2O_4:Cr^{3+}$, spectroscopic and lasing props. 2−10278
p-GaAs, IR transmission characteris. of impurities 2−9434
GaAs laser cyclotron resonance, Zeeman absorpt. 2−20058
Ge laser cyclotron resonance, Zeeman absorpt. 2−20058
Ge:Li film, amorphous, electret effect 2−9849
GeO_2-SiO_2 glass preforms, pure and codoped, UV absorpt. obs. 2−20608
$In_{0.53}Ga_{0.47}As$, near-band-gap absorpt. and photolum. 2−20729
InSb laser cyclotron resonance, Zeeman absorpt. 2−20058
$LiNbO_3$:Fe, thermal fixing of holograms, evidence for mobile H^+ ion mechanism 2−15573
Si laser cyclotron resonance, Zeeman absorpt. 2−20058
Si, optical absorption meas. for pure and heavily-doped materials, 1.24 to 4.63 eV, polarization modulation ellipsometry, solar cell performance 2−23607
Si:$B^+(P^+)(As^+)$, solar cells, prep. by ion implantation and pulsed laser annealing, optical and elec. characterisation 2−12862
Si:H, amorphous, plasma deposition, impurity doping, substrate pot. effect 2−20189
Si:H, amorphous hydrogenated, reactive laser evaporation, elec. and optical props. 2−594
Si:H, amorphous ion beam deposited coating, prep. and props. 2−20094
Si:H, amorphous RF sputtered coating, IR 2000 cm^{-1} absorpt. band and photoelectronic props. 2−20096
Si:H, crystalline, reactive sputtering fabrication, struct. study by X-ray diffr. and optical spectra 2−607
Si:H,B amorphous film, elec. props., optical props. 2−25015
Si:H,N(O), amorphous glow discharge film, elec. cond. and photocond., $N_2(O_2)$ doping effect 2−20098
Si:N amorphous film, elec. and optical props. 2−9459
a-Si_xNi_{1-x}:H, wide optical-gap, photoconductive, elec. and optical props. 2−15380
YAG:Nd, transient absorpt. and laser output 2−15485
YAG:Nd, transient colour centre form. on near UV irrad. rel. to laser efficiency 2−15486
ZnS:Cu, Cl crystal phosphor, localised surface state spectroscopy 2−10132
ZnSe crystals, effect of heat treatment in Zn, Se, Cd vapour on optical and electro-optical props. 2−5549

impurity distribution
see also doping profiles
amorphous thin films, study by ion beam nuclear analysis *(French)* 2−589
avalanche breakdown phenomena, temp. variations for transistors and diodes 2−9620
integrated circuits, extraneous contaminant damage to surface 2−14967
low energy implant simulation using target tilt 2−5665

impurity distribution continued
measurement using computerised IR microspectrophotometer 2−17150
MOS and bipolar device diffusion source, appl. of ion implanted layer 2−5801
MOS p-channel implanted transistor threshold voltage depend. on impurity segregation during oxidation 2−5746
MOST with profiled drain region 2−5747
semiconductor, high-resolution optical spectroscopy characteris., review 2−9395
simultaneous deposition and ion implantation technique 2−5682
As-S:H, amorphous plasma deposited coating, optical props. and EPR 2−25003
As-Se:H, amorphous plasma deposited coating, optical props. and EPR 2−25003
Au/Ni/SnNi/n-GaAs interface, ohmic contact form. 2−25070
$(CdS)_x(ZnS)_{1-x}$:Cu, Cl, sintered layers, photocond. and acceptor centre levels 2−10122
$Cu_{2-x}S$-CdS thin film solar cells with dual impurity distrib. in base 2−23432
p-GaAs, IR transmission characteris. of impurities 2−9434
GaAs substrates, Cr, Si, Mn, and Fe distrib. after annealing with and without SiO_2 encapsulant 2−14765
GaAs, undoped semi-insulating, growth by liquid encapsulated Czochralski method 2−9421
GaAs:B(Si)(Se), ion implanted, stoichiometric disturbances 2−1294
GaAs:Fe, impurity redistrib. on annealing, saturation density 2−1194
GaAs:H, amorphous, RF sputtering and optical props., H_2 partial press. effect 2−19427
GaAs:Mn,Fe, heat treatment effects on surfaces, thermal redistrib. of impurities 2−1195
Ge single crysts., grown in batches by Stepanov method, impurity distrib. 2−553
Ge single crysts., grown in different directions, radial distrib. of dopant 2−554
GeO_2-B_2O_3-SiO_2 glass fibre optic preforms, nondestructive conc. profiling by Raman spectra anal. 2−1700
InP:B(Si)(Se), ion implanted, stoichiometric disturbances 2−1294
InSb film, multi-pass zone melting 2−24317
Si, Czochralski grown, internal gettering centres and SiO_x precip. nucleation 2−25159
Si, diffusivity of O during steam oxidation 2−25153
Si, ion implanted, pulsed electron beam apparatus and annealing 2−9408
Si, model of impurity diffusion from oxide source 2−5684
Si p-n junction, alpha particle irrad., radiation defects 2−5618
Si wafer, Czochralski grown, photolum. characteris. of thermally-induced defects 2−9412
Si:B, impurity diffusion and distrib. in surface layer during sublimation 2−14769
Si:BF_2^+, amorphous, elec. activation and impurity redistribution during pulsed laser annealing 2−24921
Si:F amorphous film, glow discharge plasma deposition from SiF_2 gas 2−19443
Si:H, amorphous ion beam deposited coating, prep. and props. 2−20094
Si:H, amorphous RF magnetron sputtered coating, elec. and optical props. 2−19425
Si:H, amorphous vacuum deposited films, theta pinch hydrogenation 2−20190
Si:O, p-n junction charact., O conc. influence 2−20122
SiC:B(Si)(Se), ion implanted, stoichiometric disturbances 2−1294
SiO_2 thin films, enhanced low temp. diffusion of electron-beam evaporated Al 2−25078

impurity electron states
see also A-centres; Anderson model; deep levels; electron traps; heavily doped semiconductors; impurity scattering; OH^--centres
chalcogenide glasses, defect and impurity effects 2−25024
electroluminescence, high field, review 2−6109
luminescence, conference, Berlin, Germany (July 1981) 2−23864
photoeffect, spectral sensitisation, by dyes *(Russian)* 2−20717
semiconductor, high-resolution optical spectroscopy characteris., review 2−9395
semiconductor, photolum. and photolum. excitation spectroscopy characteris., review 2−9394
semiconductor materials, neutron transmutation doping 2−1292
semiconductor structure, space charge model 2−20120
semiconductors, conference, Hakone, Japan (Sept. 1980) 2−13151
wafer surface contamination level meas. based on bulk lifetime 2−1313
$BaO-V_2O_5$:Mn(Fe)(Co)(Cr)(Cu) glass, elec. cond. and EPR spectra 2−25011
$Bi_{12}SiO_{20}$, illumination-induced impurity photoconductivity 2−25586
CdF_2:Ho^{3+}, semiconductor, growth, IR spectra and elec. cond. 2−8795
$(CdS)_x(ZnS)_{1-x}$:Cu, Cl, sintered layers, photocond. and acceptor centre levels 2−10122
CdSe:Ag, nonequilibrium sensitized, mid IR radiation detector, photocond. 2−6094
CdTe p-n junctions, electrolytically prepared, emission props. 2−1813
n-CdTe:Pb films, vapour deposited, elec. anal. optical props. 2−14655
Cu_xS/CdS solar cells, characterisation by photocapacitance IR quenching 2−12863
GaAlAs:Sn, thin layer emitters, luminescence and Sn-X centres 2−25192
$Ga_{0.68}Al_{0.32}As$:Te(Zn) laser pumped by electron beam, cathodolum. and threshold current density, doping influence 2−6229
n-GaAs, high power far IR photocond. meas., photoresponse tail 2−6086
p-GaAs, IR transmission characteris. of impurities 2−9434
GaAs periodic doping structures grown by MBE, space charge field of impurities, cond. modulation 2−5621
GaAs, semi-insulating bulk-grown, selective excitation luminesc. 2−25587
GaAs surface, (110), Fermi level pinning, contact pot. difference and surface photovoltage topography study 2−1181
GaAs:Cr, photoexcited charge carrier recombination processes *(Russian)* 2−1190
GaAs-AlGaAs DH injection laser, active layer radiative processes in strong mag. field 2−25796
GaP, impurity-doped, efficient linear IR to visible upconversion, IR detect. using NEA photocathode 2−10126
GaP, lanthanide doping influence on elec. and photolum. props., LED material 2−24965
Ge, far IR photocond. spectra of quenched in acceptors 2−1789
Ge:P, photoconductivity spectrum of shallow donors, elec. field effect 2−15388
$Hg_{1-x}Mn_xTe$, acceptor-state cond. in mag. fields 2−5594

impurity electron states continued
$In_{0.53}Ga_{0.47}As$, near-band-gap absorpt. and photolum. 2−20729
p-$In_{0.75}Ga_{0.25}As_{0.55}P_{0.45}$:Cd LPE layer, doping characts. and elec. props. 2−20186
n-InP LPE layer, donor-acceptor pair recomb. from donor ground and first excited states 2−1197
InP:O, horizontal Bridgman growth, O doping effect, Hall effect meas. 2−9558
$Pb_{1-x}Sn_xTe$:Cd, carrier density, temp. depend. 2−9474
n-Si, conventional and neutron doped, piezoresist. and Hall coeff. meas. 2−20065
Si, extrinsic, elec. parameter calc. using FORTRAN program, Hall effect, dopant states and carrier mobility 2−1151
p-Si, low resist., minority carrier diffusion length, heat treatment effect 2−24945
Si, neutron transmutation doping 2−1292
Si, solar cell, n^+-p, electron irrad. and annealing effects 2−4339
Si:Au; phase shift spectroscopy of modulated photocurrent 2−1781
Si:Cr, energy levels and degeneracy ratios determ. from Hall coeffs. 2−14627
Si:Gd, photoconductivity, induced, with exchange impurity levels 2−10121
Si:H amorphous solar cell, plasma deposited, impurity effects 2−12864
Si:In, shallow acceptor X-levels, development as IR detector material 2−9413
Si-SiO_2 MOS struct., electron capture at Na^+ sites, 77 to 296K 2−25080
SiC, impurity photosensitivity, recomb. centres 2−20720
Te, impurity lines, anomalous stress shift under high press. 2−20067
ZnO, high degeneracy acceptor levels, space charge capacitance and Hall effect data 2−1180
ZnS:Mn,Er thin film, electrolum., mutual interaction between Mn and Er centres 2−25599
ZnS(Se):Mn, high field electrolum., impact excitation and ionization 2−6097
ZnSe, metalorganic chemical VPE growth, photoluminesc. and Raman scatt. obs. 2−19412

impurity scattering
used for carrier scattering by impurities
disordered two-dimens. weakly localised, mutual interactions, intervalley impurity scatt. effect 2−14713
semiconductor, ultrafine 2−1143
p-$Cd_xHg_{1-x}Te$, elec. cond. in strong microwave elec. field, 77 to 300K 2−20081
n-CdS crystals, annealed in Cd or In, elec. cond. props. 2−24970
CdTe:Cl crystals, carrier scatt., Hall effect study 2−14651
n-Ge, impurity elec. resist. in quantising mag. fields 2−5537
n-Ge, impurity elec. resist. anisotropy in quantising mag. fields 2−5538
n-Ge, piezoresist. differences, electron scatt. mechanisms 2−9414
n-InP single cryst., electron mobility and minority carrier lifetime 2−9428
n-InSb, hot electrons, noise and diffusivity 2−24977
Si, carrier transparent and device performance, influence of cryst. defects, book contrib. 2−1169
n-Si, electron mobility, 5 to 80K, phase shift calc. 2−1160
n-Si, heavily doped, elec. resist., partial wave theory 2−9411
Si MOS, two-dimens. system, weakly localised, mutual interactions, intervalley impurity scatt. effect 2−14713
n-Si, piezoresist. differences, electron scatt. mechanisms 2−9414
$Si_{1-x}Ge_x$ solid soln., hole Hall mobility, compositional fluctuations scatt. 2−25044
p-ZnSb, carrier kinetics in mixed scatt. region, cond., thermoelec. power, and Hall effect tensors 2−9475
$ZnSnAs_2$, p-type, theoretical evidence for impurity cond., explanation of Hall coeff. temp. depend. 2−1211

incandescent lamps *see filament lamps*

inclusions in crystalline material *see crystal inclusions*

indicating devices *see indicators*

indicating instruments *see indicators*

indicators
see also alarm systems; maximum-demand indicators; phase sequence indicators; standing wave meters
AC/DC polarity indicator, using seven segment display 2−7143
AF power amplifier clipping indicator, LED display 2−6977
alpha-numeric indicator systems, 18-segment, controller using slave microprocessor *(German)* 2−17048
audible field-strength meter 2−17032
automobile electronic torquemeter, appl. *(German)* 2−23717
batteries, series arrangement, failed cell detector 2−24397
CMOS type 4046 micropower PLL, for phase lock indication *(Italian)* 2−776
control panel design for greater clarity 2−17005
DC voltage indicator, with longitudinal scale *(Spanish)* 2−11526
electronic bingo game, LED mixture display, home entertainment *(Spanish)* 2−9182
electronic. meas. devices, input keys requirements, tests and selection *(German)* 2−11515
electronic typewriter error indication, seven-segment alphanumeric display 2−3226
field strength meter, high-sensitivity design, appls. 2−11525
information extraction and output trends, developments in indicating and recording instrumentation *(German)* 2−3197
LCD *(German)* 2−3054
LED voltage meter with adjustable characteristics *(Dutch)* 2−26867
LF phase-sensitive phase-shift indicators, error anal. *(Russian)* 2−22345
liquid crystal devices appl. 2−22263
live mains cable indicator, using CMOS high impedance 2−11513
magnetic field-strength meter, design and performance evaluation *(Russian)* 2−22305
microprocessor chip signal transition indicator *(Italian)* 2−9127
multicolour indicator using a 2 colour LED 2−11542
order-of-occurrence indicator, four channels 2−17035
panel digital indicators, review *(French)* 2−17015
reference information on indicators and displays 2−7141
self indicating switches 2−993
signal level indicator for audio recording, luminosity of LED proportional to sound level *(Spanish)* 2−11302
switch position visual indication using bi-colour LEDs 2−5401
vacuum deposition shutter position indicator system 2−11527
voltage in-circuit indicator, fail-safe cct., using op-amp, LEDs 2−7175
zero gating for time multiplex operation *(German)* 2−11524

induced anisotropy (magnetic)
No entries

inductance
active-R floating lossless inductance realization using operational amplifier poles 2−14203
basic props., amateur radio appl. 2−21737
characteristics of a thyristor interruptor with nonlinear inductance in a fast charge/discharge circuit *(Russian)* 2−28018
composite transistors, inductive characts. 2−25213
coupled slab lines, even and odd mode inductances per unit length *(Chinese)* 2−21162
electric circuit fundamentals, book 2−13199
experimental study of harmonic inductances of saturated induction machines *(Russian)* 2−27918
floating inductor design using single op. amp., active filter ccts. appl. 2−5282
flotation scheme, circuit simulation using current conveyors 2−5276
GIC simulated inductance cct. employing operational amplifier 2−5277
helical windings with 120 degree phase bands, mag. fields and inductances determ. 2−4024
leakage inductance of electromagnet shading coil (intra-slot parts) 2−15653
lossless floating inductance simulation, active RC single resistance controlled, using single grounded capacitor 2−14206
magnetic shielded dipoles, inductance and current distrib. 2−2162
mutual inductance between two spatial polygonal conditions *(German)* 2−5385
pulse-type energy conversion devices, selection criteria for inductance coil parameters 2−24747
resolution capability of induction reading of code scales 2−19675
resonant magnetic probes, narrowband, inductance optimisation of induction transducers with ferromag. cores *(Russian)* 2−22254
simulation using active RC networks 2−5283
superconducting film, kinetic inductance, surface effect 2−9887
superconducting magnetic system with spherical coils of finite thickness 2−25468
synchronous motor, permanent-magnet with claw shaped rotor, steady-state and transient characts. 2−18214
synthetic, floating inductance cct. employing only single component matching condition 2−24599
three-frequency parametric system as two-pole with negative inductivity *(Bulgarian)* 2−24383

inductance measurement
bridge instrument, self-balancing, characts. 2−26898
bridge modifications, direct reading and frequency sensitivity limitation 2−11536
bridge-type instrument operation *(Spanish)* 2−3244
dip meter for inductance or capacitance measurement, resonant ccts. appl. *(Spanish)* 2−7184
inductor characteristics, measurement methods 2−26935
inductor inductance and quality factor determ., by meas. series resonance *(Chinese)* 2−17091
modelling of inductance cell used in high frequency conductometric measurements 2−26936
RCL measurements, interrelations, parasitics of circuit components 2−3242
RLC measurements, instruments and methods, review *(French)* 2−3190

induction, electromagnetic *see electromagnetic induction*

induction heating
see also electric furnaces; ovens
billets, induction heating plant controlled by digital electronic systems 2−8111
ceramic, sintering furnace, low cost, high temp. induction system 2−23758
cold crucible system, induction heating to calc. elec. orders, theoretical model 2−18767
coreless induction furnaces, features and advantages 2−28232
current fed time sharing/ inverter for induction heating/ 2−4290
ferrimagnetic plates heating, electrodynamic forces 2−28233
generator with negative feedback self-controlled triode, performance anal. using computational model 2−28237
heating inductors used for heating in metallurgical industries *(French)* 2−23755
high-temperature induction heating 2−4470
inductive stirrer-metal bath system, mixing by electromag. induction *(Rumanian)* 2−18787
invertor supplied induction heating systems, CAD, methods appl. *(German)* 2−18760
linear induction pump for molten metal, one dimensional model 2−18764
Maxwell's equation solution for axisymmetric invariance case *(French)* 2−23757
melting baths agitator inductive system, electromagnetic field anal. *(Rumanian)* 2−23795
melting processes, electrical energy consumption minimisation by microprocessor based control system *(German)* 2−18759
microprocessor controlled 10 MW induction heating furnace used at British Steel Corporation, UK 2−4488
power electronics using microprocessors for control and supervision *(German)* 2−23667
rotary in-mould EM stirring in cylindrical continuous casting geometry 2−18765
thyristor frequency convertors, power cct. voltages and currents *(Czech)* 2−12709
thyristor inverter for medium frequency induction heating 2−18369
transverse flux inductor for Al/Cu strips heating *(French)* 2−23756

induction machines *see asynchronous machines*

induction motors
see also capacitor motors; squirrel cage motors
3-phase, automatic dynamic braking unit construction and operation *(Polish)* 2−27930
3-phase, digital model for magnetic circuit design and optimisation calcs. *(Rumanian)* 2−27914
3-phase, measures for protection from dangerous overloadings, comparison and usefulness *(German)* 2−27907
3-phase with current-diplacement rotor, symmetrical component method 2−7850
6-phase induction motors for current-source inverter drives, performance 2−18254
AC induction stepping motor, design, construction and operational characts. 2−12653
adjustable frequency motor control for process pumping systems 2−12976
air gap flux density and differential leakage reactance *(Japanese)* 2−4133

induction motors continued
air gap nonuniformity checking, expt. and calc. 2−4138
analysis of electromechanical constraints generated by a cycloconverter *(French)* 2−7910
asynchronous drive, thyristor-fed, group supply voltage quality evaluation 2−18639
asynchronous drive with thyristor voltage regulator, design calc. 2−18638
asynchronous high barred engine behaviour anal. *(Rumanian)* 2−27915
asynchronous machine drive with short circuited stator, braking modes investigation 2−18640
automatic design system documents organisation 2−4139
axial flux linear induction motors, rotor core flux densities, meas. and calc. 2−12665
axial induction motor, EM field and energy losses in ferromagnetic bed, calc. *(Russian)* 2−7837
brushless asynchronous cascade motor for variable speed drive 2−4203
capacitance-inverter braking of induction motor drives *(Russian)* 2−4388
capacitor run, steady-state investigation 2−4164
characteristics frequency calc. and torque variations when incorporated into fixed voltage and frequency network *(German)* 2−23292
comparison of 3-dimensional and 1-dimensional calculation of the thrust of a sector motor 2−27923
composite rotor induction motor, charact. and torque coeff. *(Japanese)* 2−4134
compressor drives, selection 2−7839
condensate pump drives with constant speed induction motor, cost effectiveness 2−12973
condition for torque compensation of a superconducting excitation winding in high-power slow-running motors *(Russian)* 2−27892
constant voltage invertor driven, starting current limitation 2−4183
construction of a circle diagram for rotating and linear induction motors *(Russian)* 2−23295
controlled rectifier driven asynchronous railway traction motors, computer aided determination of harmonics *(German)* 2−4424
convertor-fed AC drives, hybrid simulation model *(German)* 2−4112
convertor-fed induction motors, control and tuning by microprocessors *(Flemish)* 2−23286
cooling of electrical machines/ *(German)* 2−4054
cpaacitor, miniature, design optimisation 2−4250
current controlled invertor fed, performance anal. 2−4177
current invertor supplied, high frequency harmonic effects on losses and slip *(Croatian)* 2−18242
current source invertor driven, flux control method 2−4180
current source invertor fed, numerical speed control 2−4181
current source invertor-fed induction motor drives, performance improvement 2−18660
current source invertor-fed self-controlled asynchronous machine, fault simulation 2−12715
current-source convertor AC motor drive current controller synthesis using linear regulation methods *(Czech)* 2−28140
cycloconverter fed variable frequency operation of induction motor 2−4174
cycloconvertor driven, performance anal. 2−4171
d-q model for six phase induction machines 2−4188
DC/AC electric motors speed control and drive systems, applications *(Dutch)* 2−18157
design of linear induction motors with transverse closure of the magnetic flux *(Russian)* 2−18275
design optimization calcs. *(Polish)* 2−4130
development of a unified series of controlled induction and synchronous reluctance motors 2−4064
developments in the field of medium voltage synchronous and induction motors *(French)* 2−7815
distributed stator windings, low power, single phase, design by computer 2−4140
domestic heat pumps, asynchronous motor driven, starting current measurement and effects on mains power supplies *(German)* 2−4472
double wound rotor, thyristor-based speed control, performance anal. 2−4200
drive, high perform. by coordinate control using controlled current invertor 2−18656
drive, starting transients calc. 2−7855
drive, starting transients calcs. 2−7854
drive PWM invertor, microprocessor-based control system with I/O processing unit LSI 2−12759
drives, in-line optimal control 2−18657
drives, phase-commutated convertors for slip-power control 2−18653
drives, PWM invertor using gate turn-off thyristors 2−12980
drives, starting transient digital simulation 2−4198
dynamic analysis during power supply imbalances 2−4127
dynamic models for the transient analysis of induction machines with asymmetrical winding connections 2−23294
dynamic stability of large induction motors as influenced by voltage disturbances 2−27916
dynamic torsional loads digital simulation during non-simultaneous switching *(German)* 2−12648
electric drive, three-phase, electronically fed based on asynchronous motors *(German)* 2−12969
electric drives, choice to limit energy consumption 2−7841
electric drives, complete subsystem convertor cascade with 6/12-pulse feedback system, digital simulation 2−23665
electric motor with spherical rotor and composite motion, construction and performance *(Polish)* 2−18234
electric motor with thyristor control modelling *(Russian)* 2−4119
electrodynamic forces, mech. stresses and vibrs. in coil ends *(Polish)* 2−18232
electrodynamic forces in frontal parts of stator windings under fault conditions *(Russian)* 2−23296
electrodynamic levitation forces, theory and small-scale tests 2−10422
electronic power control device with induction motors 2−23399
electronic protection schemes *(German)* 2−18164
EM transient anal., math. models *(Russian)* 2−4124
end effects in series-wound linear induction motors 2−27948
equivalent circuit model performance with PWM invertor waveforms 2−18246
experimental and theoretical study of high speed single sided linear induction motors 2−12664
explosion-proof, for mines, manuf., quality and reliability *(Russian)* 2−4132
failure diagnosis, freq. anal. appl. 2−4235

induction motors continued
fan motors in methanol plant, electronic speed regulation system *(French)* 2−4117
Fourier analysis of linear induction pumps/ with concentric windings/ and infinite arrays/ 2−4157
frequency multiplier for induction motor drives 2−14275
frequency-controlled induction machine torque charact. adjustment by supply voltage charges, comments *(Slovenian)* 2−18218
frequency-voltage regulation relationship and performance prediction of motors operating with variable frequenc-y power supplies 2−7848
fundamental core losses in induction motors 2−4206
harmonics differentiation model 2−4204
high efficiency induction machines of 1980s 2−23297
high efficiency induction motors of 1980s 2−23298
HV, stator windings heating calc. 2−4214
HV medium-size induction motors for electric motor drives *(Croatian)* 2−27924
immersible, influence of liquid dielectric on stator vibration, anal. 2−18240
industrial plants, cost effective selection 2−23288
integral characteristics of linear asynchronous motors with parallel winding connection with an assigned symmetrical voltage *(Russian)* 2−4240
intermediate capacity transit system, propulsion and control considerations 2−18707
inverter fed asynchronous motor with pulsating intermediate circuit current, oscillating torques *(German)* 2−27903
invertor driven, performance anal. 2−4167
invertor driven, PWM performance anal. 2−4166
invertor driven, PWM performance anal. 2−4168
invertor driven, PWM performance anal. 2−4169
invertor driven, PWM performance anal. 2−4170
invertor driven, stability anal. and modelling 2−4175
invertor fed, disturbances produced by pulse modulated voltages, comparative quality indexes 2−12638
invertor fed, equivalent circuit and performance calc. 2−7849
invertor fed, losses due to harmonics *(German)* 2−4115
invertor fed six phase, performance anal. 2−18244
invertor fed with salient poles, performance anal. 2−4191
inverter-fed induction motor drive, control charcts. 2−18655
invertor/induction motor drive for electric car *(Polish)* 2−27925
large, service factor comparison 2−18249
large series, operating principles 2−4212
linear, 3-phase winding design 2−4156
linear, air gap magnetic field partial differential equations model 2−4152
linear, conf. at Athens, Greece (1980) 2−23240
linear, electromechanical stiffness and damping model 2−4162
linear, field and force distribution double Fourier series model 2−4150
linear, finite iron and secondary width effects partial differential equation model 2−4149
linear, magnetic field calc. partial differential equation model 2−4153
linear, partial differential equations model 2−4148
linear, series connection behaviour 2−4159
linear, short stator end effects partial differential equations model 2−4151
linear, short-primary unbalanced terminal voltage and currents model 2−4160
linear, unbalanced 3-phase voltage magnetic field calc. Fourier transform model 2−4155
linear, with solid iron back yoke and variable freq. drive, magnetic field calc. model 2−4154
linear double-side, FEM model 2−4145
linear for automatic manipulators *(Russian)* 2−18228
linear induction motor with transverse flux/ and the secondary suspended electrodynamically/ 2−4113
linear induction pump for liq. metals, comparison of distributed and concentric windings 2−27920
linear motor surface impedance finite difference model 2−4146
linear with U-shape secondary, magnetic fields calc. finite difference model 2−12649
load factor defined according to stator current 2−12646
low power linear induction motors, design recommendations 2−4238
magnetic field curve deformation in air-gap and magnetising current *(Polish)* 2−18231
magnetic field distribution, computerised analysis *(Korean)* 2−12643
magnetic shunts in two-pole motors with shaded poles 2−18239
measurement of no-load losses/ in induction machines/ 2−4126
mica-resin insulated coils, tests and degradation criteria 2−7824
mining, overloads for protection tripping, calc. method *(Russian)* 2−27919
modelling and simulation of induction motors with saturable leakage reactances 2−18252
Munich underground electric multiple units, design and output *(German)* 2−18670
NASA Power Saver for reducing power consumption 2−12635
new design for fan drives with full-speed rating in excess of 1 kW 2−12974
new form of composite-rotor induction motor for fan drives 2−27922
noise reduction in industrial elec. motors 2−18229
optimal tracking of the dynamic performance of an induction machine 2−27917
overview of applications and various ranges 2−27910
PAM winding saturation effect 2−4205
performance calculations for a linear induction machine with solid saturable secondary 2−4163
performance of a single-phase asymmetrical-stator induction motor 2−23325
performance of ideal current inverter fed linear inductor motors: a theoretical study 2−27946
phase controlled convertor driven, performance anal. 2−4190
pole changing techniques *(German)* 2−4116
pole switching, PAM technique *(German)* 2−23291
pole-changing induction motors, transient states anal. *(Polish)* 2−18230
polyphase and single-phase, finite element anal. 2−18251
power capacitor appl. 2−27931
power consumption reduction by current flow control system 2−4122
power factor controlled by single-chip computer/ *(German)* 2−4114
power factor controller for reduction of wasted energy 2−27932
power system transient response load charact., load-model guidelines 2−12177
powerful asynchronous electric motors for the main circulating pumps of nuclear power stations 2−18241
present position and development trends in adjustable speed AC drives *(German)* 2−8025

induction motors continued
propulsion system with invertor for rolling stock *(Japanese)* 2−4420
protection against excessive currents and voltages *(Russian)* 2−4131
protection using overload relays, lack of adequate protection in certain situations, soln. 2−18247
pulse current invertor fed, transient differential equation model 2−4184
PWM invertors, digital control by microcomputer, induction motor speed control appls. 2−18363
PWM power transistor invertor for AC elec. vehicle drive, computerised controlled 2−18351
PWM transistor invertor fed linear induction motors for rapid transit vehicle 2−13020
PWM waveform performance anal. 2−4165
repair, restoration, and revitalization of large induction motors 2−18226
rotating electrical machine HV windings synthetic-resin insulation *(German)* 2−27912
rotational motion of the short-stator in the single-sided linear induction motor/ 2−4158
rotor slot influence and starting phenomena model 2−7858
saturated leakage iron path, torque-speed characts. calc. method *(Italian)* 2−27906
saturation and transients calc. model 2−7859
screened, performance anal. 2−7861
shaded pole motor, math. model 2−4135
shaded poles, stator mag. flux, vector diagram 2−4136
shaded-pole motor, new stator for improved automatic winding and copper saving 2−12651
shaded-pole motor verses permanent split capacitor motor for reversible fan drives 2−12975
short-circuit currents calcs. with induction-motor contributions 2−12654
short-circuited stalled induction motors with frequency control, working state analysis and effects of network voltage variations *(Croatian)* 2−12647
short-primary linear induction motor field calc. transfer matrix model 2−4147
single phase, reluctance start, theory 2−4128
single phase motor starting control, relay cct. 2−4320
single phase motors, starting capacitors, operating regimes investigation. 2−4141
single phase traction drive with solid rotor induction motor and synchronous phase convertor 2−12991
single-phase, for variable speed control 2−12650
single-phase, starting and running method 2−7843
slip measurement method with digital information processing *(German)* 2−12644
slip ring, three phase motor control using ursalog 5010 stored program control equipment, rolling mill appl. *(German)* 2−12965
slip/measurement methods and equipment *(Polish)* 2−26966
slot combination influence on noise producing forces 2−4211
slotting influence 2−4208
small, magnetic noise meas. 2−4252
small and special electrical machines, conf. London, England 22-24 Sept. 1981 2−12581
solid rotor iron-free asynchronous machine 2−4199
solid-state reduced voltage starters for induction motors 2−12636
spatial Fourier techniques and end effects in the single-sided linear induction motor 2−27947
specific functions for selecting optimum linear induction motors for high-speed vehicles *(Russian)* 2−23315
speed control by varying its stator voltage *(Spanish)* 2−18238
speed control for drive economy and productivity 2−27904
speed regulation, thyristor invertor appl. *(Russian)* 2−27926
stability, driven by current source invertor 2−7844
stability nonlinear differential equations model 2−7851
star-delta switching performance during the starting of an induction motor 2−7835
star-delta switching performance during the starting of an induction motor 2−7856
starpoint commutated current fed, commutation anal. 2−4176
starting, effect on brushless generators 2−4125
starting, transient torque establishment and resulting stresses for constant and variable slip *(Italian)* 2−12639
static characteristics and dynamic runs measurements in low-power induction motors *(Polish)* 2−7847
static induction motor drive capabilities for the petroleum industry 2−18248
static Scherbius drive system for 6700 kW motor used for NO_x reduction in sintering plant 2−23666
stator voltage controlled current source inverter induction motor drive, linearised model 2−18658
stator winding temp. rise determ. *(German)* 2−27908
tachometric bridge dynamic correction in automatic compensators for constant voltage *(Bulgarian)* 2−26895
three-dimensional mathematical model of a linear asynchronous motor with a magnetic circuit in the form of a parallelepiped *(Russian)* 2−7873
three-phase, dynamic condition mechanical characteristics improvement *(Rumanian)* 2−4118
three-phase, permeance of eccentric air gap, calc. 2−4137
three-phase voltage controlled invertor driven, performance anal. 2−4179
three-phase wound rotor induction motor reconnected as single-phase regulator as physical realisation of theory 2−18225
thyristor asynchronous electric drive for a centrifugal pump, analogue simulation *(Russian)* 2−18237
thyristor controlled, d-q axis equivalent circuit 2−4182
thyristor driven, vibration anal. 2−18245
thyristor driven commutatorless, performance anal. 2−4195
thyristor frequency convertors type YRRA for induction motor drives 2−27992
thyristor invertors, type PT-AVK, for induction motor drives *(Russian)* 2−28027
thyristor-controlled, three-phase, performance anal. *(Russian)* 2−18227
traction drives for urban railways, using transistor-invertor system 2−8042
transient current contribution from induction motors during system faults 2−7840
transient equivalence circuit 2−23302
transient performance of the induction machine with deep bar rotor 2−7852
transient phenomena anal., through reconnection to non-zero value of rotor current vector 2−23284
induction motors continued
transient torques and stresses due to switchover of induction motor power supplies 2−7857
transients calc. 2−7860
triac speed control, PLL techniques and transfer functions 2−4185
uniformly arranged stator winding for optimum active space utilisation *(Polish)* 2−27929
use of transistor inverters with three phase motors for speed regulation *(German)* 2−7915
variable freq., braking improvement method 2−4192
variable freq. drive, performance anal. 2−4178
variable freq. invertor fed, performance anal. 2−4186
variable frequency induction motor, simplified block diagram 2−18253
variable speed induction motor drives, invertor appls. 2−12707
variable-frequency speed control using PLL technique, time domain model and digital simulation 2−12758
vehicle traction cycloconvertor driven, performance anal. 2−4194
velocity and start control, three-phase rectifier drive performance anal. 2−4187
ventilation and cooling system analysis 2−12642
vibration and noise characts. calc. 2−7845
vibration-actuated conveyor, wide range of AEG unbalanced motors *(German)* 2−23304
voltage and current source invertor fed induction motors, comparative study of losses 2−18256
voltage invertor-fed, with thyristors, digital control cct. *(French)* 2−7836
voltage source invertor-induction motor for dynamometer appls. 2−18353
voltage stresses on induction motors powered from DC intermediate circuit frequency converters *(German)* 2−23285
wound rotor, flux density distribution 2−4197
inductor microphones *see microphones*
inductors
see also coils; current limiting reactors; power inductors; transformers
AF, Q-factor digital meas. 2−17114
alternating-voltage continuous amplitude control, inductive switching circuit, anal. of power conversion processes 2−23373
amorphous magnetic materials appl. in electronics 2−15138
CAD, universal interactive program 2−972
chip components for printed circuits *(German)* 2−14307
circular, cylindrical, LF, with helical windings 2−9254
closely coupled inductors using switched-capacitor ccts. 2−24384
electronic components, instruments and troubleshooting, book 2−4572
grounded inductors using single current conveyor, active simulation 2−827
inductance and quality factor determ., by meas. series resonance *(Chinese)* 2−17091
inductor heater, one side, active power loss generated in thick plate 2−25900
lossless floating inductor, simulation 2−24745
MATS magnetics automated test set, calculator control 2−19907
multilayer chokes without ferromagnetic core, structural dimensioning procedure *(Bulgarian)* 2−24744
problem of shielding of the magnetic field of axisymmetric inductors 2−24746
programmable voltage operational amplifier inductor, variable Q-factor *(Spanish)* 2−5386
RC bandpass filter using floating inductors 2−14208
saturated, of linear synchronous motor with iron poles *(Russian)* 2−18277
shunt reactors with distributed air-gaps, influence of dimensional parameters on design, application in power system c- ompensation *(Spanish)* 2−7897
testing, automated, using MATS testing stations 2−11375
thyristor reactive power compensator, for fast-varying industrial loads 2−28023
industrial atmospheres *see air pollution*
industrial computer control
see also computerised materials handling; manufacturing computer control
computer aided control system design applied to milk drying plants 2−13129
data processing equipment, used for industrial productivity networks *(French)* 2−21650
DC motor microprocessor interface, used for industrial control, position control *(Italian)* 2−12656
Domino Unijet Ink Jet Printer 2−21050
microcomputer-based, software reliability *(German)* 2−8322
microcomputer-based IR telecontrol system *(German)* 2−7096
microprocessor-based energy conservation systems in industrial plants 2−23789
microsystems, conf., London, England (March 1981) 2−23895
remote data processing, European Community initiatives and strategy 2−21608
solid state relays, used for industrial computer control 2−24760
universal microprocessor development systems, design considerations 2−24561
variable speed drive microprocessor control 2−28152
industrial control
see also industrial computer control; numerical control; process control
automated factories, data highway with distributed controllers 2−10880
electric machines for industrial automatic systems, operating and dimensioning problems *(German)* 2−18146
glass furnace, thyristor control of power 2−18830
international standard *(Japanese)* 2−26703
ion-selective electrodes advantages 2−13118
mechanisation and automation, case for pneumatic power appls. 2−4591
network theoretic approach 2−13906
optical fibre systems for industrial appls., design requirements 2−6832
PLC, role in India 2−4636
steel industry, fast static Var control equipment development 2−18800
industrial economics *see economics*
industrial plants
20 kV distribution networks *(Russian)* 2−12238
AC/DC power systems anal. 2−3743
atmospheric fluidised-bed combustion boiler designs 2−23128
battery plate formation charging methods to keep pace with industrial demand, state-of-the-art 2−28078
battery-based DC power supplies 2−7918
capital expenditure in process plants, corporate view 2−18914
coal firing for steam raising, large industrial site, case study 2−12463
cogeneration and integration into public supply grid 2−23079

industrial plants continued
combined heat and power generation for industry, boiler systems *(German)* 2−17958
computer simulation of industrial systems, repair and maintenance 2−4752
electric locomotives, single-phase industrial mains frequency, history and future trends *(Portuguese)* 2−12988
electrical failures in factory installations 2−4616
electronic components plant, waste treatment, case study 2−8219
electrostatic precipitators, aerodynamic investigations 2−15634
energy conservation handbook for industrial plants 2−23936
energy generation from thermal processing of municipal solid waste in US 2−12422
energy supply metering at distribution transformer, losses *(German)* 2−27582
environmental problems associated with coal use including desulphurisation and fly ash use *(Dutch)* 2−23082
factory distribution systems, design for flexibility 2−22900
fluidised bed combustion, industrial and utility appls. 2−3899
furnace combustion chamber design, laser-Doppler anemometry appls. *(Italian)* 2−12484
grounding of generators connected to industrial plant distribution buses 2−17764
high temp. gas-cooled reactor as flexible heat source, potential 2−7695
induction motors, cost effective selection 2−23288
industrial compressed air generating equipment energy economic operating regime achievement *(Rumanian)* 2−23787
industrial installations disposition and infrastructure in the planning *(Spanish)* 2−41
industrial power system neutral conductor distribution *(French)* 2−22952
isolation in electrical installations *(Norwegian)* 2−18949
large flow fan mills, measures to increase efficiency *(Rumanian)* 2−23788
lighting, high-press. Na lamp system, optimum performance 2−13071
lighting, Na low pressure lamps for plant energy reduction 2−13070
lightning arrester design and assembly *(Polish)* 2−7581
liquid fuel from brown coal, pilot plant planning 2−28322
management data, collection and storage *(German)* 2−22183
maximum demand control in factories, economic advantages and equipment 2−22802
microprocessor-based energy conservation systems in industrial plants 2−23789
military connectors, industrial appls. 2−1004
MV industrial networks protection, using electronic relays *(German)* 2−12284
noise source locating system 2−7242
optimal load distribution in industrial power plants *(German)* 2−7731
pneumatic factory units automisation, effects on maintenance function *(French)* 2−18951
power supply, interruption-free *(Russian)* 2−27985
production control system for large industrial plants based on data collection system *(Polish)* 2−3096
production decentralisation using production microunits, advantages for developing countries 2−13220
rationalisation of electro-installation procedures in industrial plants *(Czech)* 2−4606
rectifier equipment for industrial electrolysis plants, loss reduction investigations 2−12712
remote data processing developments *(Italian)* 2−16184
squirrel cage motors, basic guide for industrial user 2−23287
stationary flywheel energy storage, appls. study *(German)* 2−12950
steam turbine operation optimisation in industrial power station *(German)* 2−23107
stepping motors, features and industrial appls. 2−23320
study of the installed performance of industrial luminaires 2−28225
super-low-pressure air separation plant design, flow chart and theoretical anal. *(Chinese)* 2−28317
supply interruptions, unplanned, damage suffered by industrial consumers, computation method *(Croatian)* 2−27372
transducers, instruments and measurements in the process industries 2−26813
USA industrial cogeneration investment in the 1980s, present state and future developments 2−12127
use of fluidized beds in industrial energy schemes 2−3900
using the admittance method to calculate energy consumption during intermittent plant operation 2−28242
variable speed induction motor drives, invertor appls. 2−12707
Vresova pressure gas plant technology for gas production from brown coal 2−28318
waste heat conversion to electricity using turbosets *(German)* 2−17922
waste water energy conservation *(Norwegian)* 2−4560

industrial property
electrical contracting partnerships, death of one partner, provisions for carrying on business 2−18934
European product liability law and the amended EEC draft Directive 2−36
International Patent Classification, IPC, statistical anal. as revision aid 2−229
patent applications for telecommunication equipment in USA 2−4601
patent law in Argentina *(Spanish)* 2−35
patentable invention identification and protection 2−23935
searches, statistical study of references cited 2−228

industrial research management *see research and development management*

industrial robots
application in welding, advances 2−23827
applications in welding 2−23831
arc welding and cutting appls. 2−4529
arc welding online control 2−4546
arc welding robots' work planning 2−4532
arc welding systems at Caterpillar Tractor Co. 2−4547
CNC, position control, Z80 microprocessor appl. *(German)* 2−4517
computerised for aircraft spot welding, charact. *(German)* 2−4500
fusion welding along flat curvilinear contours using industrial robot with photoelectronic programmed control system 2−28298
future trends in manufacturing technology 2−75
hard and flexible automation for assembly operations in the electromechanical industry 2−8268
hydropneumatic drives improvement 2−23660
image digitiser function and appl. 2−22276
image scanners, photodiode-array based Linescan cameras 2−7094
inspection, image analysis and robotics appls. 2−6950
industrial robots continued
materials handling, linear drive appls. *(German)* 2−8133
microprocessor based welding, programming *(German)* 2−4515
multi-sensor system using three-dimensional vision 2−7093
part displacement and grasping force 2−3281
path measuring and path control, components *(German)* 2−4497
PCB handling, MOBOT robots and appls. 2−5456
pitch and yaw rotary axis calibration device 2−26725
pneumatic actuating mechanism braking numerical integration model 2−19379
reliability anal. *(Russian)* 2−8324
resistance spot welding, modular robots 2−4535
review 2−8263
robot arc welding line, computerised, for axle housings fabrication 2−28301
sensor and compliant devices for robotic fingers 2−11628
small batch manufacture, robotic arc welding appl. 2−4528
tactile sensing, 1981 state-of-art survey and future outlook 2−11433
truck cab automated welding using robots 2−4540
Unika-80A welding robot with visual seam tracking 2−4530
vision systems development 2−7092
welding, Apprentice robot 2−4539
welding, automated component manufacture at British Steel 2−4526
welding, robotic system, self programming 2−4524
welding robot developments and appl. 2−4534
welding robot use 2−4543
welding robots adaptive control 2−4548
welding robots vs. conventional robots 2−4527

industrial standards *see standards*

industries
this heading is restricted to those industries which are not covered by other specific headings
see also automobile industry; brewing industry; cement industry; ceramic industry; chemical industry; construction industry; electricity supply industry; food processing industry; glass industry; manufacturing industries; metallurgical industries; mineral processing industry; paper industry; petroleum industry; plastics industry; printing industry; rubber industry; textile industry
career development and salary progression of industrial engineering graduates: a preliminary study 2−18848
electroheat for industry 2−23752
electronics skill shortage increases industry's problems in Britain 2−18941
electrotechnical industry in Soviet Union, development trends *(Russian)* 2−1
energy problem and lack of industrial innovation in N.America 2−12327
European power plant industry, future trends 2−7589
golden rules for electrical safety for the layman 2−4610
heat pump industry development trends 2−28254
IC industry, impact of VHSIC program 2−8155
industrial energy use and changing efficiency, United States 2−13216
lighting, lamps and luminaires, development trends 2−18738
microelectronics impact 2−13142
nuclear power industry: prospects for development 2−27626
power engineering for tomorrow's industry, electrical processes 2−23790
power industry benefits from new tax incentives 2−18924
role of the American Electric Vehicle Council in the electric vehicle industry 2−8037
Swiss industry growth and structure *(German)* 2−23871
technological development and underprivileged nations 2−8203
technology and industrial planning 2−8202
wind energy, industrial appl. 2−7793

inelastic electron tunnelling spectra *see tunnelling spectra*

inert anodes *see anodes*

inertial navigation
advances, dry tuned gyro, laser gyro and strapdown technology developments, review 2−12030
aircraft inertial measurement units, fault detection 2−17494
aircraft strapdown inertial navigation systems, rapid alignment using Navstar Global Positioning System 2−6874
aircraft vibration environments simulation, strapdown inertial navigation development 2−17499
conference, London, England (Oct. 1980) 2−4579
ESG inertial technology, approach to self contained precision navigation and positioning on and over the bat- tlefield 2−7384
integrated inertial sensors development 2−7390
integrated navigation systems based on multiple DME 2−7389
JTIDS and GPS integration for enhancing position reliability 2−6876
JTIDS distributed TDMA (DTDMA) terminal development results with emphasis on relative navigation performance- 2−7386
JTIDS strapdown inertial midcourse guidance performance analysis 2−7392
Kalman filter design, state-space models of gravity disturbance gradients 2−6426
multifunction information distribution system for position location 2−7385
NOVA satellite, low susceptibility proof mass for trajectory control 2−22640
spacecraft systems, fault detection, identification and reconfiguration 2−22645
strapdown attitude and heading reference system utilizing ring laser gyros 2−7382
strapdown sensor parameter estimation for inertial system error compensation 2−7387

inertial systems
aircraft inertial measurement units, fault detection 2−17494
aircraft take-off and landing performance meas., using inertial sensing system 2−17480
ATE interfaces innovation 2−26769
flexibile spacecraft, altitude estimation and control using inertial and optical measurements 2−7361
pointing system modeling for performance prediction 2−17470
ring laser gyro navigator advanced development model, flight test results 2−7388
strapdown inertial systems, measurement units and compensation of dynamically tuned gyros 2−7383

infinite series *see series (mathematics)*

information analysis centres *see information centres*

information centres
Video Response System, an interactive information centre 2−10839

information dissemination
new transmission projects, public information 2−12174
information retrieval
see also information storage
EMIS, computer-based online system for publishing and retrieving materials data 2−8
human factors 2−16105
integrated electronic office systems, effects on users 2−26183
searches, statistical study of references cited 2−228
vector graphics CRT display system 2−3064
visual patterns, remote access and retrieval system, microfiche storage and facsimile recording 2−2480
information retrieval system evaluation
VSLI, memory and print technology *(Italian)* 2−18846
information retrieval systems
see also information retrieval system evaluation
ATE research and development 2−18930
cable TV IR system, Park Cities, Dallas 2−21661
colour display graphics possibilities 2−21631
EMIS, computer-based online system for publishing and retrieving materials data 2−8
integrated word processing, archiving and document retrieval system 2−16188
man-machine dialogue systems for information retrieval by large number of subscribers 2−21632
Megadoc electronic filing system, laser recording on digital optical disc electronic office appl. *(Dutch)* 2−6282
on-demand broadcast data retrieval protocol definition *(French)* 2−21538
optical disc document retrieval system 2−6938
picture browsing system, retrieval of pictures over low bit-rate channel 2−21653
scientific information systems in Japan, group study on planning 2−2539
telephone directory enquiry system, computerised, British Telecom field trial 2−16059
visual patterns, remote access and retrieval system, microfiche storage and facsimile recording 2−2480
information science
see also publishing
International Patent Classification, IPC, statistical anal. as revision aid 2−229
Prestel applications 2−10825
technical documentation trends 2−151
information services
'antiopisation' of data 2−21540
ATE research and development 2−18930
Aviation Route Forecast (ARF) program−an interactive system for pilot self-briefing for weather forecasting 2−2561
biocide usage and ash-handling practices at steam power stations in USA, POWER database facility 2−27745
Bucharest telephone directory data bank system and dialogues with digital display *(Rumanian)* 2−26210
cable TV IR system, Park Cities, Dallas 2−21661
CAPTAIN system, trial service, new colour encoding methods *(Japanese)* 2−21512
CAPTAIN system of Japan, current status and role of videotex *(Japanese)* 2−21511
centralised system for subscribers, possible applications *(German)* 2−16218
data communication systems linking to Swiss telephone network *(German)* 2−21599
digital color weather radar remoting and integrated graphic systems 2−2564
DIODE management of broadcasts in a data packet broadcasting system *(French)* 2−21539
electronic information media, consumer response, implication for newspapers and other media 2−16014
EMIS, computer-based online system for publishing and retrieving materials data 2−8
energy saving in Portugal, national information network *(Portuguese)* 2−12144
hardware system in highly-interactive optical visual information systems 2−2939
highly-interactive optical visual information system (Hi-OVIS) 2−6932
home information service standardisation prospects 2−10827
Hungarian viewdata and teletext systems *(Hungarian)* 2−6564
local weather services improved communication systems 2−2562
network information services market forecast 2−2531
NOWCASTING regional weather information service 2−6641
Prestel and information channels 2−2506
Prestel network organisation 2−2492
Prestel services 2−2498
Prestel system, comparative study, book 2−16137
Prestel TV system adaptors 2−6567
Preview, viewdata computer memory conversion 2−2489
project electronic subscribers' list: description of the system architecture *(Italian)* 2−16139
PTT rule in information society *(Dutch)* 2−26276
public viewdata systems and the developing countries 2−2505
switchinfo, information switching and impact on switching networks *(Spanish)* 2−21425
telecommunications, new systems and services, conf., Liege, Belgium, Nov. 1980 2−18867
telematic information switching 2−21644
telematics development compared with industrial revolution 2−10749
telematique, French development programme 2−15994
teletext, current status, Japanese photographic mode pattern transmission *(Japanese)* 2−21513
teletext, Teledon field trials 2−6634
Telidon, encoding grey level BIT pictures 2−10837
Telidon relationship to computer graphics standards 2−10836
transborder data flow, the international market 2−6498
transborder dataflows: key issues and an implementation mechanism 2−2530
Velizy Teletel interactive videotex service available to general public *(French)* 2−21529
Videotex, comparative study of future development *(Spanish)* 2−6570
videotex, teletex and facsimile services, unification advantages and obstacles *(French)* 2−21472
videotex and teletext: similarities, differences and prospects 2−26256
videotext, advertising examination 2−2490
information services continued
videotext, government involvement 2−2487
videotext, US market 2−2491
videotext and office integration 2−2494
videotext market anal. 2−2488
viewdata, industrial use 2−2493
weather forecasting interactive computer graphics system for generating video images 2−2563
WETA teletext field trial 2−2497
information storage
see also information retrieval
computational video: television as a human interface 2−11255
information storage systems *see information retrieval systems*
information systems, management *see management information systems*
information theory
see also channel capacity; codes; correlation theory; decision theory and analysis; estimation theory; filtering and prediction theory; modulation; signal detection; signal processing; speech intelligibility; switching theory
adaptive discrete representation of messages, comparative anal. of informational efficiency of two algorithms *(Russian)* 2−21338
adaptive equalization algorithms for optimization of a generalized mean square cost 2−6380
asymptotically mean stationary channels, capacity 2−2231
binary bayesian receiver, generalization 2−6383
binary FSK Communication systems subjected to impulsive noise, error rate prediction 2−15806
binary FSK communication systems subjected to impulsive noise, error rate prediction using 2nd order technique 2−15807
binary linear block codes meeting Griesmer bound 2−15830
block quantizers, upper bounds to asymptotic performance 2−15802
bounds on the average error probability for a code ensemble with fixed composition 2−21297
cellwork topology, network duals and appls. 2−4868
closed boundary anal., stochastic models, representation and recognition 2−15933
codes for an adder channel with multiple correlated sources 2−21298
coherent detection of frequency-hopped QPSK and QASK systems with tone and noise jamming, bit error probability 2−10646
communication networks immune to isolated failures 2−2400
communications systems organized on principle of sequential operations, mathematical model 2−10612
complete information two player games with correlated positional eval., stochastic models 2−13414
continuous time linear systems, reduced order stochastic observer estimator using invariant imbedding 2−21259
data acquisition by distrib. power-line carrier, statistical math. model 2−22966
differential PCM, robust quantization of dependent data 2−2239
entropy, additive and nonadditive measures, functional eqns. 2−15808
error proofness of communication systems, simulation *(Russian)* 2−21253
fading, frequency-selective, optimal receiver configuration 2−21260
false-alarm probability for detection of pulse signal packet 2−26135
fast algorithm linear equalizer, theory and implementation 2−2238
finite sampling approxs. for non-band-limited signals 2−21256
flow chart for algorithm of pulse information-meas. system 2−2236
group channels loading analysis 2−26075
indecomposable finite state channels and primitive approx. 2−21254
Kronecker products in communication theory 2−6384
lock detector algorithms for synchronization for PN code lock verification or carrier loop lock verification 2−10647
m-sequences, benchwork synchronisation 2−26072
masking signals, design criteria 2−10703
mathematical functions, uses in telecommunications 2−15987
maximum entropy method of spectral analysis, overview 2−26074
measures of information for different entropies, properties 2−2229
microprocessor-based meas., statistical errors correction *(Czech)* 2−16751
minimum mean squared error block quantisers, properties 2−21284
mismatched quantizers, asymptotic theory 2−2241
multi-level quantisation for automatic radar detection, optimisation and performance 2−2240
multibeam communication channel, thermodynamic theory 2−2235
multiple terminal systems *(Japanese)* 2−21397
N-dimensional, efficient proofs of identities 2−15801
nearly-optimum signal in communication theory 2−6382
nonlinear satellite channels, maximum likelihood sequence detection 2−26073
nonlinear wideband satellite links, noise characterisation in simulation 2−16447
nonparametric sequential tests for signal detection 2−15881
o/p moments used to predict performance of nonlinear systems with Gaussian I/ps 2−6385
optimal coherent reception of digital data in fluctuation, concentrated, and pulse noise 2−2351
optimal distance measure for nearest neighbour classification 2−15883
optimum memoryless N-level quantizers 2−2242
PCM telemetry, random errors *(Czech)* 2−15849
PCM-pulse position keying telemetry system 2−10823
pragmatic information, valuation measure, extension of Shannon's information channel *(German)* 2−10610
pseudoorthogonal bases construction, appl. to signal sampling 2−10615
pseudorandom noise code, spectrum of product signal of PN code and its time-shared dithered replica 2−10616
quantum narrow-band free-space link, lower bound on informtion capcity 2−6381
quaternary sequence manipulated inversely by informational messages, accelerated search 2−2233
rate-distortion function on classes of sources determined by spectral capacities 2−21255
regression models selection by information criteria 2−24114
self-synchronizing pseudo-random bit error detector 2−10648
small-signal test program set generation 2−24363
spread spectrum multiple-access communication systems, bit error probability 2−26071
stationary time series transformation, loss of information 2−21262
steady-state signals sampling, meas. errors *(German)* 2−10611
structured estimation, multivariate probability density estimation 2−15882
two-dimensional cyclic codes, independent point set determ. for doubly periodic arrays 2−15831
uncertainty principle, in signal theory or quantum mechanics *(French)* 2−10683

information theory continued
upper bound on ratio of probabilities of subgroups and cosets 2−15803
Wyner-Ziv multiterminal source coding theorem, proof 2−15832

infrared astronomy
see also infrared sources (astronomical)
charge-injection-device Si:B IR detector array, space-based astronomical obs. appl. 2−3146
sub-mm heterodyne astronomy from Mauna Kea 2−21888

infrared communication *see optical communication*

infrared detectors
see also bolometers; photodetectors
14360A CO_2 sensor, calibration 2−16976
adiabatic demagnetization refrigerator for infrared bolometers 2−26862
antenna diffraction lobe control in FIR meas, cascaded apertures appl. 2−21219
ATE system for electro-optical units, 3-port 2−26768
automobile automatic heated windscreen using IR source and receiver, design *(German)* 2−23716
avalanche photodiodes, triggered avalanche detection of IR photons 2−16979
broadband, using transient thermal lens effect 2−3163
building diagnostics, ASTM procedures development 2−3076
building heat losses surveys, ASHRAE standard update 2−3075
charge-injection-device Si:B IR detector array, space-based astronomical obs. appl. 2−3146
coherent optical detection, real time Fourier processing, chirped heterodyne method 2−26853
coordinate-sensitive pyroelectric radiation detector 2−9848
device research conference, Santa Barbara, CA, USA (June 1981) 2−6
eye monitoring and calibration algorithm 2−3451
eye monitoring system using IR corneal reflection 2−3452
far IR heterodyne detectors, InSb bolometer, GAAs Schottky diode and Josephson junction mixers 2−7102
fibre optic detectors, design considerations 2−6835
Firepond narrowband coherent 10.6 μm radar for space object imaging, design 2−11119
forged print detection systems, vehicle fuel controlled dispenser 2−26847
frequency characts. meas. apparatus, 0.03 to 1 GHz 2−3159
p-Ge high-sensitivity IR hot carrier detector improvement 2−26852
heartbeat monitor, using IR sensor, skin refl. change detect. 2−3468
integrating SPRITE detector for serial scan thermal imaging, 8-14 μm band 2−26850
intruder detector, using IR activated alarm signal *(French)* 2−19818
IR antenna using corner reflector, EM coupling with 10 micron laser radiation 2−22285
IR detectors, using bolometers, pyroelectric devices, photoconductivity devices 2−11491
IR photometric analyser for moisture meas. 2−7095
IR process analyser recongition method *(German)* 2−11312
IV-VI epitaxial thin film IR detectors, device performance and basic material props. 2−10154
laser light emission, 1.5 μm, detection by IR excitable phosphors 2−10128
materials for IR detectors, conf., Washington, DC, USA (April 1981) 2−8137
microcomputer-based IR telecontrol system *(German)* 2−7096
MOM diode as mixer 2−16984
mosaic focal planes, technology rundown 2−16985
optoacoustic detector system for thermal conductivity meas. *(German)* 2−26861
p-i-n and avalanche photodiode detectors for 1.1 to 1.6 μm operation, state of the art 2−7108
photovoltaic detector arrays, backside-illuminated, MTF modelling 2−15405
pulp and paper production industries process measurement and control using optical systems *(Swedish)* 2−16975
pyroelectric detector, adiabatic versus isothermal mode of operation rel. to noise behaviour 2−15100
pyroelectric detector, thermodynamic considerations 2−3151
pyroelectric detectors, brief guide 2−3150
pyroelectric detectors for radiation extending between X-rays and IR, range of freq. responses from 0.1 Hz to 5 kHz *(French)* 2−1553
pyroelectric devices, appls. 2−1548
pyroelectric self-scanning IR detector arrays, noise cancellation 2−5884
pyroelectric vidicon, prep. and performance of reticulated targets 2−1122
railways, hot-box detection on new line *(French)* 2−23698
reflection detector using LED light source and planar phototransistor detector *(Italian)* 2−11486
remote control infrared device family using PCM techniques *(German)* 2−16870
remote control receiver, using photodiode, relay 2−3166
satellite instrumentation, IR radiance model validation by sensor flight measurements 2−22652
sensitive IR photon detect. with picosec. time resolution 2−22268
signal processors, quantum-noise-limited, for IR surveillance 2−7040
Space Shuttle developments, preparation for second launch, Teal Ruby project 2−12018
SPRITE detectors, practical realisation and performance, 8-14 and 3-5 μm bands 2−26851
sub-MM heterodyne astronomy from Mauna Kea 2−21888
temperature scanner for heat treatment shops 2−3162
thermal versus quantum room temp. IR detectors, pyroelec. and photocond. detector comparison 2−16978
thermo-flow instrument for measuring energy loss in buildings *(German)* 2−3148
training of system operators, w.r.t. standards 2−24
Ag halide films, use in IR radiation detection 2−26854
$Ba_{0.25}Sr_{0.75}Nb_2O_6$6 crystals, fast-response pyroelec. detector 2−3152
$Cd_xHg_{1-x}Te$ p-n junction IR photovoltaic detectors, elec. props. 2−15406
$Cd_xHg_{1-x}Te$ photodiodes, 8-14 μm range, doping influence 2−10142
CdSe:Ag, nonequilibrium sensitized, mid IR radiation detector, photocond. 2−6094
$GaAs_{1-x}Sb_x$ Schottky barrier quadrant detector development for 1 μm appl. 2−11494
$Ga_{0.47}In_{0.53}As$, low temp. LPE growth 2−8817
GaP, impurity-doped, efficient linear IR to visible upconversion, IR detect. using NEA photocathode 2−10126
Ge:Ga, far IR and sub-MM detector, spectral response from blackbody meas. 2−11487
Ge:Li, photocond. IR detectors, low photon background appl. 2−10143

infrared detectors continued
(Hg,Cd)Te photoconductive detector in 3 to 5 μm range, UV irrad. effect 2−10157
$Hg_{1-x}Cd_xTe$, detector grade, LPE growth from Te rich solns. 2−8818
$Hg_{1-x}Cd_xTe$ intrinsic photoconductive IR detectors, two-dimens. effects 2−26849
$Hg_{1-x}Cd_xTe$, low-temp. thermal expansion 2−5547
$(Hg_{1-x}Cd_x)Te$ RF triode-sputtering film for IR detector arrays 2−9436
InGaAs back-illuminated pin photodiode, fibreoptic communication appls., 1.3-1.6 μm region 2−6105
InGaAs pin photodiode-bipolar transimpedance preamplifier high-speed optical receiver, 1.3-1.5 μm 2−22281
InGaAs VPE 1.0 to 1.7 μm photodiodes, low-leakage, high-efficiency 2−1802
$In_{0.53}Ga_{0.47}As$ avalanche and PIN diodes, dark currents and min. detectable powers 2−15408
InGaAsP, avalanche and PIN diodes, dark currents and min. detectable powers 2−15408
InGaAsP, material requirements for near IR photodetectors, LPE and VPE growth techniques 2−9435
InP-InGaAsP planar avalanche photodiodes, 1.3 μm wavelength 2−10139
$NaNO_2$ layers as pyroelec. radiation detectors 2−3154
Pb chalcogenides, photovoltaic detectors, R_0A product temp. depend. 2−10141
Pb salt epitaxial film, photovoltaic diode IR detector, modified hot wall technique prep. 2−10155
$Pb\text{-}PbS_{0.5}Se_{0.5}$ photodiode detector, improved performance from Cl incorporation at interface 2−10156
$Pb_{1-x}Sn_xSe$ photovoltaic detectors, minority carrier lifetimes, resist.-area product 2−15374
$Pb_{1-x}Sn_xTe$ photovoltaic detectors for 8-14 μm atmospheric window, modified hot-wall evap. technique 2−7097
$PbTiO_3$ ferroelec. thin film gate FET for IR detection 2−3153
Si extrinsic focal plane arrays, influence of material props. 2−11495
Si thermopile IR detector, batch fabricated 2−22271
Si:In, shallow acceptor X-levels, development as IR detector material 2−9413
Si:P, photocond. IR detectors, low photon background appl. 2−10143
Si:S(Se) IR detector, spectral response, dopant diffusion vapour press. effect 2−3160
Si:Tl, solution growth for 3 to 5 μm photocond. detectors 2−8798
Si-Ge alloys, Si rich, for IR detectors, elec. and optical meas. 2−10117
Si-Ge alloys for IR detection, Czochralski growth and crucible-free process prep. 2−8797

infrared imaging
6-bit monolithic video flash A/D convertor 2−24566
aberration correction method for thin achromat 2−20703
advanced imaging quad cell tracker 2−2839
airborne thermographic surveys, with economical data acquisition 2−3077
atmospheric and aerosol emissions effect on IR imaging device performance 2−16846
building diagnosis, personnel training, Canadian experience 2−25
building diagnostics, ASTM procedures development 2−3076
building heat losses, ASHRAE standard update 2−3075
building thermography, ASHRAE standard appl. 2−3078
buildings thermographic inspection, buying, leasing and contracting costs comparison 2−33
C-CD, extrinsic Si, punch-through charge collection technique 2−25345
condensation thermography technique for short circuit location and surface temp. determ. in semiconductor die 2−9598
consumer-oriented products development 2−3079
cooled detectors, review 2−22162
Earth, IR radiance model validation by sensor flight measurements 2−22652
Earth's atmosphere, advanced instrumentation for remote sensing 2−22721
electronic component board fault detection, using thermography *(German)* 2−72
energy audits using building thermography, USA programs overview 2−3080
far IR imaging antenna array with Bi microbolometer detectors 2−22164
field distribution meas., using photographs equidensity technique 2−3068
high-speed thermal printing head and its temperature control 2−19988
hybrid IR focal plane arrays 2−22270
hybrid microcircuit substrate-to-package thermal adhesive bonds, nondestructive IR inspection 2−1076
image convertor for fault detect. in microelectronic components by thermal characts. anal. *(German)* 2−16848
instrumentation for plant and equipment testing 2−7038
integrating SPRITE detector for serial scan thermal imaging, 8-14 μm band 2−26850
IR heterodyne-reception radar, imaging and target detect. 2−2832
LANTIRN wide field-of-view raster head-up display 2−7395
laser ranger designator and thermal imaging system, alignment and testing using common collimator 2−3073
laser to sensor automatic boresight for laser designator 2−7381
medical digital processing in SCOLIOSIS *(Italian)* 2−15875
medical imaging methods, review 2−17345
METEOSAT image deformation problem solution, horizon extraction from image data and orbit information 2−27277
multichannel scanning radiometer for remote sensing cloud physical parameters 2−12074
nonimpact printing technologies, conf., Venice, Italy (June 1981) 2−18860
photometry, automatic TV system based on principle of iso-energy contours *(Russian)* 2−11387
polarisation method of IR image conversion using cholesteric liq. crysts. *(t)* 2−20692
Pyricon, thermal IR sensitive image tube with pyroelectric target, expt. and appls. *(French)* 2−16860
pyrovidicons using infrared imaging sensors *(Japanese)* 2−9375
real time IR reconnaissance for RPVs 2−7394
reconnaissance and surveillance appls. of thermal imaging 2−3069
remote sounding of atmosphere and ocean, for climate research 2−3585
remotely sensed temporal thermal IR images, temp. change pattern removal *(Japanese)* 2−17588
rotating component, real time temp. pattern meas. with image derotator-liq. cryst. unit 2−16866
scene-based nonuniformity compensation for imaging sensors 2−27304
signal processing of pyroelectric vidicons *(Japanese)* 2−5515

infrared imaging continued
signal processors, quantum-noise-limited, for IR surveillance 2−7040
solar energy collector system analysis, using thermographic equipment 2−3081
SPRITE detectors, practical realisation and performance, 8-14 and 3-5 μm bands 2−26851
stator thermal probe, information meas. provisions 2−16983
target thermal props., effect of environmental radiation *(Chinese)* 2−3062
thermograph, camera and monitor assemblies, for technical and research appl. 2−22161
training of system operators, w.r.t. standards 2−24
transfer thermography 2−26781
visualisation of IR images, automatic TV system based on principle of iso-energy contours *(Russian)* 2−11387
Zn (Cu) electrorefining plants, energy saving in non-ferrous tankhouses by IR detect. of short-ccts. 2−18797

infrared radiometers *see radiometers*

infrared sources
automobile automatic heated windscreen using IR source and receiver, design *(German)* 2−23716
chalcopyrite crystals, far IR radiation generation, phase-matched difference mixing 2−20952
electronic tachogenerator, using LED IR radiator, photo-transistor detector 2−7099
far-IR lasers, CW optically pumped, developments review 2−20783
field-effect integrated injection LED visible or IR source 2−10168
IR and MM waves, conf., Miami Beach, FL, USA (Dec. 1981) 2−23889
passive classification system 2−26154
quartz tungsten infrared lamp for domestic heating appliances *(Japanese)* 2−8101
remote control module for Grundig Super-Color TV set *(German)* 2−16596
tunable mid-IR difference-frequency generator 2−2019
HCN CW submillimetre wave laser *(Chinese)* 2−6131
NH_3 far IR intracavity laser pumped by TE CO_2 laser 2−20836

infrared sources (astronomical)
KL-object in Orion, sub-mm heterodyne observations 2−21890

infrared spectra *see infrared spectra of inorganic solids; infrared spectra of organic molecules and substances; infrared spectra of polyatomic inorganic molecules*

infrared spectra of inorganic solids
fluoride glass, 3d transition element doped, IR impurity absorpt. losses 2−15286
quartz wool multiple scatt. 2−21084
semiconductor, microstructural information from opt. props. in near IR to near UV range 2−14606
semiconductors, conference, Hakone, Japan (Sept. 1980) 2−13151
AlAs-$Al_xGa_{1-x}As$-GaAs superlattices, absorpt., stimulated emission and clustering 2−25050
As-S:H, amorphous plasma deposited coating, optical props. and EPR 2−25003
As-Se, glassy, optical absorpt. spectra 2−9467
As-Se:H, amorphous plasma deposited coating, optical props. and EPR 2−25003
CdF_2:Ho^{3+}, semiconductor, growth, IR spectra and elec. cond. 2−8795
p-GaAs, IR transmission characteris. of impurities 2−9434
GaAs sub-micron epilayers, near-MM-wave optical props. 5-100 cm^{-1} region 2−20085
n-GaAs wafer, proton implanted, IR reflectivity characteris. 2−9561
Ga_2Se_3-In_2Se_3 thin films, elec. and optical props. 2−1216
n-gas methodic error in carrier conc. meas. by far IR absorpt. 2−5550
Ge:Li film, amorphous, electret effect 2−9849
Ge-Sb-Se system, beam-resistant films, prep. and struct., thermal stability, optical parameters 2−1200
InAs-GaSb superlattices in high magnetic fields, band struct., elec. and optical props. 2−14688
$LiNbO_3$:Fe, thermal fixing of holograms, evidence for mobile H^+ ion mechanism 2−15573
Si film, implanted, CW laser-induced solid phase epitaxy dynamics, time-resolved reflectivity meas. 2−24307
Si, ion implanted, amorphous, ultrashort pulse laser annealing 2−25135
Si, ion implanted, laser annealing, time-resolved Raman scatt. and transmission meas. 2−25126
Si, laser-induced amorphous, adsorpt. of O, expt. study 2−25164
Si, oxidation by ion implantation and laser irradiation 2−9566
Si:As, implanted, CW laser annealed, real-time monitoring of opt. props. 2−25136
a-Si:F:H, electrical, spectral and doping properties 2−25023
Si:H, amorphous, plasma deposition, impurity doping, substrate pot. effect 2−20189
Si:H, amorphous hydrogenated, reactive laser evaporation, elec. and optical props. 2−594
Si:H, amorphous ion beam deposited coating, prep. and props. 2−20094
Si:H, amorphous RF magnetron sputtered coating, elec. and optical props. 2−19425
Si:H, amorphous RF sputtered coating, IR 2000 cm^{-1} absorpt. band and photoelectronic props. 2−20096
Si:H, crystalline, reactive sputtering fabrication, struct. study by X-ray diffr. and optical spectra 2−607
Si:H, microcryst. plasma deposited coating, elec. cond. and optical absorpt. 2−24922
Si:H, O sputtered films, amorphous, optoelectronic props., effect of O 2−25580
Si:H,B amorphous film, elec. props., optical props. 2−25015
Si:H,N(O), amorphous glow discharge film, elec. cond. and photocond., $N_2(O_2)$ doping effect 2−20098
Si:H amorphous film deposition by Penning glow discharge of SiH_4 2−19437
Si:H amorphous films for electrophotographic appl., photoelec. props. 2−24928
Si:H amorphous plasma deposited coating, elec. and optical props., RF power and growth temp. depend. 2−19444
Si:H film, amorphous plasma deposited, RF power and reactant gas press. effect 2−13837
Si:N amorphous film, elec. and optical props. 2−9459
Si-F-H amorphous film, Schottky-barrier and MIS solar cell appls. 2−23564
Si-Ge alloys, Si rich, for IR detectors, elec. and optical meas. 2−10117
a-Si_xNi_{1-x}:H, wide optical-gap, photoconductive, elec. and optical props. 2−15380

infrared spectra of inorganic solids continued
SiO_2, plasma-deposited, charact. 2−5011
$ZnGeP_2$, IR absorpt., brightening effect, heat treatment effects 2−20614
ZnS_xSe_{1-x}, polycryst., prepared by CVD, struct. and optical props. 2−24329

infrared spectra of organic molecules and substances
see also molecular rotation
formaldehyde, high resolution laser spectroscopy using He-Xe laser 2−10205
lithium formate, parametric scatt. spectrum second-order vibrs. 2−25847
methanol IR transitions, investigated using optoacoustic technique and Stark effect meas. 2−25726
methanol optically pumped around CO_2 9R(10) and 10R(34) laser lines, high resolution IR-far IR spectroscopy 2−25723
polyacetylene epitaxial layers, optical and elec. anisotropy 2−25042
polyimide films, line deletion and personalisation parameters, optical optimisation 2−25889
polyimide PMDA-p,p′-ODA simulated space radiation effects, IR spectroscopic anal. 2−13863

infrared spectra of polyatomic inorganic molecules
resist films, VUV photochem. reactions, Fourier transform IR difference spectra study 2−5651

infrared telescopes *see telescopes*

infrared transmitters *see infrared sources*

infrasonic waves *see acoustic waves*

initial value problems
differential eqns., numerical methods for solving with inadequate data 2−8734
dual time scales in a wave problem governed by coupled nonlinear equations 2−13797
first order partial differential equations 2−19357
hyperbolic quasilinear systems, numerical methods *(French)* 2−13721
Lax equivalence theorem for linear, inhomogeneous equations in L^2 spaces 2−24235
locally Lipschitz solutions of a single conservation law in several space variables 2−19344
multistep methods 2−8726
nonlinear Boltzmann equation, initial value problem 2−4950
nonlinear differential equation of second order, boundary value problem on infinite interval *(Chinese)* 2−13720
nonlinear Schrodinger equation existence and uniqueness 2−19346
nonlinear Schrodinger equations, numerical calculation problem *(Chinese)* 2−13730
on numerical integration of implicit ordinary differential equations 2−4951
on the solvability/ of ordinary differential equations/ with only partially continuous right-hand-side/ by difference methods 2−497
one-sided problem for a quasi-linear equation of hyperbolic type *(Russian)* 2−4956
ordinary differential equation terminal value problems 2−19356
ordinary differential equations, numerical solution of initial value problems *(Hungarian)* 2−4954
parabolic, multigrid method 2−19337
parabolic variational inequalities, appl. of Rothe's method 2−13609
positive difference solutions, convergence *(Chinese)* 2−13725
quasi-parabolic initial-boundary value problems 2−24039
stiff ordinary differential equations numerical solution 2−19353
stiff systems with one unknown initial condition, efficient initialisation 2−8759
Tjon-Wu equation in Banach space settings 2−13764
weighted Sobolev spaces and rapidly decreasing solutions of some nonlinear dispersive wave equations 2−19345

injection lasers *see semiconductor junction lasers*

injury by radiation *see biological effects of radiation*

inorganic insulators *see insulating materials*

input-output media (computers) *see computer peripheral equipment*

input-output programs
magnetic bubble memories, software interfacing 2−25440
microprocessor interface with switch array, imaginary I/O port 2−862
Tektronix DAS 9100 digital analysis system, using logic analysis, pattern generation 2−26804

input-output routines *see input-output programs*

inspection
see also quality control; reliability; testing
3D meas. machines performance monitoring 2−22391
acceptance control charts based on normal approximations to the Poisson distribution 2−19014
accuracy improvement, cost savings 2−19026
adhesive bond, hydrothermal degradation detection by US spectroscopy 2−8911
airport luggage inspection using X-rays 2−24016
automated capsule inspection method 2−26655
automatic insertion technology with on-line testing and optical inspection 2−14514
automatic inspection system, using multiple 8085 microprocessors 2−8298
automotive industry, optics and quality control 2−4677
Bayesian evaluation of inspectors in sensory tests 2−8282
beef grading by richness of reflections in US A-scan signatures 2−3656
bevel gears manufacturing quality 2−19005
BWR pressure vessels in-service inspection, focused search units 2−23049
Candu reactor pressure tube inspection, remotely controlled equipment 2−23050
capacitors, high-volume testing for production/inspection appls., meas. instrumentation selection 2−13279
CCTV appl. in industry 2−21971
coating thickness gauging method using X-ray fluorescence 2−8862
coatings, nonuniform, inspection with integral thickness gauge 2−11615
components acceptance testing, microcomputer based *(Spanish)* 2−122
continuous sampling plans, CSP-21 for consumer protection 2−19017
DC subfractional horsepower motors, reliability tests, method for increasing effectiveness *(German)* 2−23310
debond inspection in solid rocket motor section, acoustical chirp frequency and computer correl. technique 2−8913
defect coding for systematic quality reporting and defect anal. *(German)* 2−24015
dielectric coating on inner surface of pipe, DK-1 composite quality inspection unit 2−5045
dimensioning flaws in pipeline girth welds by radiographic methods 2−8867

inspection continued
double sampling plans construction 2−24010
economical quality control policies for a single cause system 2−24004
ED-2.02 electromagnetic inspection unit/ for inspecting pipe/ 2−641
eddy current NDT, conf. Gaithersbury, USA, (Nov. 1977) 2−8149
electrical components, manufacture and maintenance, appl. of automatic measuring and inspection systems *(German)* 2−16824
electrical contact assemblies, US exam. for bond integrity 2−9278
Elinvar alloy 44NKhMT, inspection of heats using Curie temperature 2−5039
EM inspection by inductive method simultaneous magnetization of test and reference samples 2−642
fusion, computerised methods 2−8294
gear operating in water, wear resistance 2−19006
image analysis and robotics appls. 2−6950
in-service inspection using data acquisition and processing system *(Japanese)* 2−16881
INCOS automatic product inspection system using computerised picture processing *(German)* 2−4676
IPC 890 industrial camera for materials handling inspection 2−3147
IR building diagnostics, ASTM procedures development 2−3076
liquid level inspection of bottles performed by photoelectric switches 2−7083
longitudinal creeping wave appl. and creeping wave probes 2−24345
magnetic hand yoke for magnetic particle inspection *(German)* 2−5044
magnetic particle quality inspection of drilling equipment and tool parts 2−13894
masks, non-random defect control 2−25114
masks for chips, overlay inspection 2−14947
mass-produced electronic equipment assessment rel. to UK RFI regulations, production testing procedures 2−8295
measuring the performance of inspection and sorting systems 2−24009
memories and LSI test quality and efficiency optimising system 2−19689
metal, anomaly detection by electric discharge in gases 2−5052
metallurgical industries quality control departments function and economics *(Spanish)* 2−4487
microelectronic development, manufacture and applications, work study aspects *(German)* 2−125
modified skip-lot sampling plan 2−115
moving material, automatic surface inspection method *(German)* 2−124
moving objects, inspection, CCD TV camera appls. in dimensional meas. 2−6948
multifrequency eddy current inspection techniques 2−8931
multilayer welded pipes, magnetographic inspection 2−23804
NDT, inspection of multiparameter meas. problems, statistical approach 2−13892
NDT in maintenance inspection, developments *(Dutch)* 2−13250
non contact test probe 2−16799
nondestructive testing methods, review 2−647
nuclear in-service inspection, metallurgical flaw detection methods 2−23019
nuclear power plant turbine rotor in-service inspection methods 2−23030
nuclear power plant turbine-generator licensing and regulatory requirements 2−23029
nuclear power station, Swiss programme *(German)* 2−23006
nuclear power station diagnostic methods and apparatus *(Czech)* 2−27619
nuclear steam generator tubing, eddy current inspection 2−8927
nuclear steam generator tubing, eddy current inspection 2−8928
OPTOMATION II−an electronic vision system of the now generation 2−8297
patterned semiconductor wafers, automatic inspection and computation tool 2−26728
PC artwork measurement, automatic optical inspection, Validator Optical Edge Finder System 2−16843
PC assembly, non-wetting and de-wetting of solder to plain laminate, inspection 2−24786
PC including inspection 2−24791
PCB and IC package inspection using spring probes 2−13299
PCB economics of 100% test of incoming inspection 2−74
periodic pattern defect detect. system using omnidirectional spatial filter, computer processing 2−24018
pipeline distributed processing system for real time pattern recognition applications 2−8905
power transmission equipment radiographic examination 2−17741
pressure vessel inservice inspections using acoustic holography methods 2−127
procedure for pooling data by the analysis of means 2−8281
quality assurance system built up on Japanese model *(German)* 2−19029
quality control, sampling inspection for the two-parameter exponential distribution 2−8274
rails and switchpoints, nondestructive US inspection, survey *(German)* 2−7462
receiving inspection using state of the art test equipment 2−6694
reducing inspection errors, procedure 2−4669
rolled bars mech. props. NDT with KAP-1 instrument 2−13896
sampling inspection plans for maximising company profits *(Japanese)* 2−110
sampling plan choice simplification using single gauge 2−116
satellite, TV receive only and digital data terminals, design and manufacturing for high availability 2−12054
seamless pipe inspection system at Wakayama Steel Works in Japan 2−5047
semiconductor wafer, chip site in-process inspection, scanning electron beam system 2−1410
sensor system for automation and meas., with image analysis processors 2−11340
signal classification for automatic industrial inspection 2−8296
signal processing technique rel. to eddy current inspection 2−8933
single sampling attributes plans indexed by AQL and AOQL 2−24011
solder joint inspection on PCBs using laser-pulse heat injection and IR thermal sensing 2−9322
soldered connection reliability, training programme for assemblers and inspectors 2−13206
statistical quality assurance, appl. *(German)* 2−24008
steel, alloy 40Kh, heat treatment quality control, inspection instrument, electromag. losses in mag. reversal in weak mag. field meas. 2−13895
steel, anisotropic, electrical, crystallographic texture in moving strip, inspection 2−644
steel, austenitic stainless, casting, US inspection, heat treatment effect 2−8919
steel, austenitic stainless, weld, US inspection 2−8921
inspection continued
steel, austenitic stainless weld, texture study using SAW 2−13886
steel, C, magnetic method of quality inspection of high temp. tempering 2−13893
steel, constructional, heat treatment inspection by electromagnetic-acoustic method 2−645
steel, pressurised water reactor, review of AE appl. 2−8870
steel, stainless, automatic inspection of intergranular corrosion tendency, potentiostat programmers' appl. 2−19476
steel, stainless, optical inspection of small-diameter deep bores using rod optics with low-light television and still photography 2−5053
stochastic inspection model *(German)* 2−126
subsurface-flaw detection with models ITs-61 or -70 US head wave probes 2−13900
surface gloss meas. specular reflection device *(Japanese)* 2−23983
surface layer inspection using US head waves, probe 2−636
thermographic inspection of buildings, buying, leasing and contracting costs comparison 2−33
trouble detection for transformers on short circuits 2−12702
two-point double variables sampling plans 2−114
two-point optimal narrow limit plans with applications to MIL STD 105D 2−8277
US oblique probe, high temp. 2−3648
US pipe inspection, involute search unit 2−5042
US probes used for periodic inspection, charact. 2−12104
vacuum in cans packed in cardboard boxes, magnetic vibration detector appl. *(Japanese)* 2−16933
variables acceptance sampling standards, ANSI Z1.9 (1980) and ISO 3951 (1980), revisions 2−8284
visual inspection of welding using X-ray photography 2−19480
visual inspection technique for optical fibre preforms 2−5997
wave soldering, practical approach, return to basics 2−24798
wave soldering process, unnecessary rework reduction 2−13300
weld defect detection, X-ray and US exam. 2−19473
weld defects inspection, automatic data recording and processing system 2−23020
welds in steel pipes for HV transmission towers, automatic ultrasonic test equipment appls. 2−7464
welds in steel structures, automatic ultrasonic test equipment appl. 2−7465
wide variety of AOQ and ATI performance measures with and without inspection error 2−113
Al alloy AK4-1, heat treatment quality inspection by EM method 2−640
Si quality statistical estimation, specific resistivity inhomogeneity determ. 2−25120

instability *see stability*

installation
see also commissioning; computer installation
13.8 kV bidirectional 1200 A light-fired thyristor switch VAR generator 2−23376
132 kV crosslinked polyethylene insulated cable installation underground in Baghdad, Iraq *(Japanese)* 2−17718
230 kV oil-filled cable installation in Bangkok, Thailand *(Japanese)* 2−17717
400 kV power transformers, metalclad, constraints *(French)* 2−23340
400 kV power transformers for power system, in France *(French)* 2−23339
aircraft instrumentation, practical aspects 2−17489
American Electricians Handbook, Tenth edition 2−8141
Association of Electrical Engineers in Poland, activities in field of electrical installation *(Polish)* 2−8214
auxiliary display mount for terminals used in retail trade, customer installation 2−3227
basic electrical installation principles, book 2−18889
busbar trunking systems for lighting installations 2−23740
C-FAX Radio, new studio facilities 2−26580
cable laying and jointing equipment for increased productivity *(Czech)* 2−27550
cable laying mechanisation and use of special tools *(Czech)* 2−7565
carrier phone systems, installation, maintenance and improvement, Bureau of Mines handbook 2−23875
central expert support for maintenance and installation 2−16277
changes concerning co-ordination of cartridge fuse and cable ratings, UK wiring regulations 2−53
domestic solar photovoltaic power systems 2−23420
earth leakage cct. breaker testing, guide 2−18372
electric sockets incorrect installation practices *(German)* 2−18932
electrical equipment for hazardous areas, EEC legislation and UK manufacturers and users 2−18942
electrical failures in factory installations 2−4616
electrical installation theory and practice, book 2−46
electrical installations, protective devices research and development trends in Rumania *(French)* 2−43
electrical panels installation and transport, guidelines *(Italian)* 2−13228
electrical protection of face mining equipment, UK practice 2−17766
electrical wiring−commercial, book, revised edition 2−23951
electrical wiring for buildings, design and construction, book, 2−47
electronic office, implications on electrical services 2−13229
electronised installation and lighting equipment, dsevelopment trend *(Polish)* 2−23731
engine/generator handling and foundation and piping for reliable operation 2−18936
fibre optic system, installation of outside plant 2−21845
IEE Regulations for electrical installations, 15th Edition, overview 2−44
IEE wiring regulations, changes 2−23948
installation of power generating units rated over 250 kV.A *(Polish)* 2−18937
isolation and switching, wiring regulations in United Kingdom 2−4607
isolation in electrical installations *(Norwegian)* 2−18949
ITT 1240 Digital Exchange: manufacture and installation 2−26371
LV fuse standards, 15th IEE Wiring Regulations, impact 2−9279
measurement of resistance of ground systems 2−17773
military aircraft instrumentation installation, sneak analysis appl. 2−17500
miniature circuit breaker standards, 15th IEE Wiring Regulations, impact 2−12731
NEC transmission equipment installation, dispersive direct connection of station cables in bay frame 2−2653
new wiring regulations, effects on designer and specifier, UK 2−4608

installation continued
new wiring regulations for protection against indirect contact, United Kingdom 2−52
optical fibre cables 2−6838
Polish products survey, ELEKTROMONTAZ range *(Polish)* 2−18148
rationalisation of electro-installation procedures in industrial plants *(Czech)* 2−4606
rooftop terminal installation for satellite business communication link 2−26474
safe installations in petrol stations and garages 2−4609
steam power station construction planning and installation work, Sharjah power station *(German)* 2−12454
substation design, for electrical switchboards installation *(Italian)* 2−23950
telecommunication network installation in Middle East countries, user problems in testing, interfaces, climatic conditions and training of staff 2−6511
terminals in explosion hazard areas, installation practice 2−48
utility energy control centre, installation and start up of an on-line state estimator 2−12154
water jet ejector installation and operation at Chirkeisk hydroelectric power plant *(Russian)* 2−18062

installation, computer *see computer installation*

instrumentation
see also aerospace instrumentation; computerised instrumentation; digital instrumentation; digital readout; display instrumentation; nuclear instrumentation; physical instrumentation control; signal generators; signal sources
biofeedback devices. selective applications in mental health care 2−27194
biological water treatment plant instrumentation and automation 2−8131
coal preparation plants in USA, instrumentation and automation systems status review 2−27749
commissioning of process control systems 2−8212
common mode meas. compensation between equipments under test and measuring apparatus, review *(German)* 2−11330
contracting, scope for small firms 2−8213
developments of instrumentation systems *(Japanese)* 2−11336
electron, input keys requirements, tests and selection *(German)* 2−11515
electronic, dynamic loads effect estimation 2−16757
electronic, standardisation 2−6987
electronic components, instruments and troubleshooting, book 2−4572
electronic instruments in use at power stations, radiation RFI effects 2−10531
hysteresis motors, small, instrumentation, performance and numerical simulation of behaviour 2−18284
industrial process control instrumentation system's reliability assurance program, reliability growth and field results 2−19049
interference immunity design 2−11329
ion implantation equipment and techniques, conf., Kingston, Ont., Canada (July 1980) 2−4564
lignite-burning power plant control systems and instrumentation 2−12473
mechanical design, elasticity methods 2−3034
mechanical design of instruments, mathematical elements 2−6988
nuclear power plant containment isolation system, instrumentation and control equipment failure assessment, soln. 2−12346
optical metrology, electronic and electrical instrumentation appls. *(Portuguese)* 2−11332
power supplies appl., review of equipment for specific appl. 2−13957
process control, reliability assurance and growth 2−139
process control, testing and calibration equipment 2−16811
quality control *(German)* 2−8287
radio interference problems 2−15724
safety instrumentation for dams 2−17798
standards, attitudes and preparation 2−3032
standards and codes of practice 2−6982
stationary characts. of meas. devices improvement, by parametric and structural means *(German)* 2−6981
steam power station instrumentation and control system 2−7730
temperature, types, present state and future trends 2−6990
TESLA EAM 500 instrumentation tape recorder, characts. 2−26893
testing, periods between tests optimisation, w.r.t. test quality 2−6980
trends in instrumentation and measurement systems, electronic methods, review 2−11335
GaAs monolithic low-noise broad-band amplifier, appl. 2−19563

instruments
see also individual types of instruments, e.g. astronomical instruments, bridge instruments, optical instruments
assembly failure prevention 2−3170
earthing, shielding and interconnection, conf., London, England (Jan. 1982) 2−23900
electric circuit fundamentals, book 2−13199
electronic, temp. field computing *(German)* 2−11334
grounding and interconnections design guidelines 2−26706
measuring, R&D trends 2−11328
mechanical design−realisation of prototypes 2−16775
moving coil, synthesis method *(Russian)* 2−3129

insulated gate field effect transistors
1/f noise, effects of scaling 2−9669
1/f noise in gate-controlled implanted resistor 2−14870
amorphous Si electronic devices, review 2−25258
analogue switch and multiplexer using MOSFET *(German)* 2−9269
applications, book 2−23880
bipolar variable current source using power MOSFET *(German)* 2−13946
buried channel/surface channel CMOSFET IC isolated by implanted SiO_2 layer 2−25352
CASMOS, accurate MOS device model with geometry-dependent parameters 2−20266
n- channel poly-Si gate FETs, fabrication using plasma oxidation techniques 2−20268
CMOS SOS single bit RAM cell fabrication using ion implantation 2−1456
conductance in restricted-dimensionality accumulation layers 2−20273
Darlington compound transistors, using MOS and bipolar devices, transistor characts. *(French)* 2−14842
DC power supply, characts. 2−5092
electron-beam lithography for small MOSFETs using multilevel resist structure 2−9732
floating gate ionisation injection MOS (FIMOS), n-channel, one dimensional writing model 2−1375

insulated gate field effect transistors continued
HEXFET, direct drive and interface circuit for faster switching *(German)* 2−9647
HEXFET control by CMOS and linear circuits *(German)* 2−14854
HEXFET integral reverse rectifier, characts., appl. 2−5079
HEXFET power supply, X-ray dose tolerance 2−24393
HEXFETs in high power circuits *(German)* 2−14856
HV power MOSFETs design, charact. and appls. 2−25233
impact ionisation through surface states 2−9657
insulator process induced radiation damage, removal at elevated press. 2−14783
logic devices, high-speed, for superpower computer, current trends *(Japanese)* 2−9088
memory devices with electric unipolar recording of data *(Russian)* 2−14877
metallisation technique for MOSFET devices 2−1378
MNOS memory element structures, degradation phenomena, mechanism 2−9664
MNOS structure, degradation props. 2−9507
MNOS transistor, memory retention, high temp. H_2 annealing effect 2−1379
MOS, Al metallisation, effect of H_2-Ar mixing 2−1320
MOS, effective channel length control *(Russian)* 2−1299
MOS and FAMOS transistors, channel hot electron injection effect on spatial distrib. of interface charge 2−25261
MOS n-channel, on sapphire, effect of B ion dose on electrophysical props. *(Russian)* 2−14878
MOS p-channel implanted transistor threshold voltage depend. on impurity segregation during oxidation 2−5746
MOS power transistor, ON-resistance-breakdown voltage product theoretical limitation *(French)* 2−5752
MOS transistor model for computer simulation, accurate over wide current range *(French, German)* 2−25218
MOS-transistor parameter determination, optimisation procedure 2−1386
MOSFET, 3-D table look-up model for precise circuit simulation 2−14889
MOSFET, depletion-mode with short and narrow-channel effects, analytical modelling 2−20265
MOSFET, energy loss of warm electrons at interface of (100) Si 2−25247
MOSFET, formation of low-capacitance diffusions 2−14864
MOSFET, localisation of hot electron injection into oxide 2−25259
MOSFET, minimum size enhancement and depletion type, 2-D numerical anal. 2−25265
MOSFET, n-channel, contaminated phosphosilicate glass gives temp. depend. defect level for ionic failure mechanism 2−15030
MOSFET, n-channel deep depletion mode, surface electron mobility 2−9646
MOSFET, poly Si, laser crystallised, elec. characts., effects of grain boundaries 2−9656
MOSFET, polycrystalline Si, lower annealed, field effect electron mobility 2−14879
MOSFET, radiation hardness on submicron NMOS 2−15004
MOSFET, short and narrow channel, geometrical model of threshold voltage 2−25254
MOSFET, short channel, CAD model for threshold and subthreshold conduction 2−14890
MOSFET, small geometry, analytical expression for threshold voltage 2−9671
MOSFET, small geometry, Monte Carlo anal. of sensitivity of threshold voltage 2−25221
MOSFET, small geometry, three dimensional numerical simulation of size effects 2−25264
MOSFET, submicron, carrier vel.-elec. field relation and field distrib. 2−25248
MOSFET, ultrasmall, technology challenges, VLSI appls. 2−15013
MOSFET 1/f noise due stochastic generation-recombination of carriers via fast surface states 2−25273
MOSFET and bipolar power transistors, comparison 2−20239
MOSFET channel length, mobility, gate-bias dependence and parasitic series resist., elec. determ. 2−14866
MOSFET device, SiO_2 ionisation by heavy charged particles 2−14858
MOSFET devices, hot carrier effects, injection and surface trapping 2−25262
MOSFET fabrication, plasma etching poly-Si and Si_3N_4 in SF_6, impact on MOS device characts. 2−9572
MOSFET fabrication by Si lateral epitaxy by seeded solidification on SiO_2 2−562
MOSFET fabrication in poly Si films recrystallised by CW electron beam heating 2−9655
MOSFET interface states due to hot electron injection, determ. by charge pumping technique 2−9649
MOSFET inversion layers, electron transport in high mag. fields 2−14731
MOSFET power transistors, review of advantages and specific applications *(French)* 2−5756
MOSFET power transistors for power systems, protection *(French)* 2−20272
MOSFET with sub-micron gate, anomalous low temp. cond. 2−14872
MOSFETs, field effect mobility, bulk doping depend. 2−9661
MOSFETs, low capacitance diffusion with buried contact 2−20262
MOSFETs, n-channel, threshold-voltage instability under bias-temp. ageing 2−25234
p-MOSFETs, submicron size for VLSI, expt. results 2−25357
MOST, BN passivation film, resistivity, gate charge decay time meas. 2−9660
MOST, developments, limitations *(Italian)* 2−20254
MOST, dual-gate, short-channel threshold voltage effects, surface potential calc. 2−25266
MOST, electrical characts. in direct shift of source-substrate p-n junction *(Russian)* 2−25219
MOST, p-type short channel, hole saturation vel., temp. depend. *(French)* 2−1382
MOST, short channel effects 2−1381
MOST, short n-channel, anal. of degradation under channel hot electron effect 2−25260
MOST, short-channel, fabrication and performance 2−25267
MOST, test conditions effects on radiation-hardness results 2−14861
MOST, threshold voltage theoretical curves, effect of Au doping 2−9663
MOST with profiled drain region 2−5747
n-channel, time-dependent numerical model 2−5753

insulated gate field effect transistors continued
n-channel enhancement-mode MOSFET characteristics from 10 to 300K 2−20259
narrow width MOSFET including tapered oxide and doping encroachment, threshold voltage prediction 2−20258
NMOS, threshold shifting by As ion implantation prior to gate oxidation 2−1374
NMOS transistors, ^{60}Co radiation effects on laser annealed SOS 2−15000
NMOST, modelling and meas. of two dimensional low conc. B profiles 2−1450
Nyquist noise, effect of transverse electric field 2−1384
power, application and protection in inductive load switching 2−25252
power FETs, switching appls. 2−1372
power lateral double-diffused MOST, effects of drift region parameters on static properties 2−20257
power MOSFET, gate driver design 2−1373
power MOSFET, paralleling for higher power output 2−9674
power MOSFET, switching performance 2−9673
power MOSFET current source invertors, microcomputer controlled 2−18358
power MOSFETs, appl. to power sources *(German)* 2−19533
power MOST, saturation resistance, weak multiplication effects 2−25251
power transistor development from early bipolar types to modern power MOSFETs 2−1356
recrystallisation of encapsulated poly-Si on SiO_2 substrate prep. by moving belt zone melting, MOSFET's 2−9535
reverse rectifier, electrical performance characts. 2−4274
short channel MOSFET, parameter sensitivity determ., numerical simulation 2−25255
single-device-well MOSFETs, scaled down, device merging for VLSI 2−5824
SIPMOS in combinatorial circuit elements *(German)* 2−5813
small geometry, compensation tendency for short channel and narrow-channel effects 2−25227
SOS MOSFET two-dimensional analysis 2−25238
subthreshold MOSFETs, noise data and scaling props. 2−25270
thyristor transistor PWM invertor 2−18360
TMOS transistors, 250 W continuous rating *(Norwegian)* 2−25229
two-layer dielectric, stationary distrib. of uncompensated mobile charge 2−9665
V-MOS transistors thin gates fabrication in V-groove *(Slovak)* 2−25220
vertical double-diffused MOS power transistor drain-source resist. radiation depend. 2−14862
vertical power MOSFET for high-speed power control 2−5093
VLSI, merged single device well MOSFETs 2−15024
VLSI MOS selective oxidation technology 2−9574
VMOS FET ccts. for direct and reverse phase control *(Spanish)* 2−25253
VMOS power FET used in design of VHF power amplifier *(German)* 2−5118
VMOS power transistors for CAD, modelling of Epidrain effects 2−1387
VMOS technology, appls. 2−25232
VMOS transistors, used in LF amplifier design 2−24412
X-ray lithography fabrication 2−20402
$Al_xGa_{1-x}As$-GaAs heterojunction FET, transport props. 2−20250
GaAs integrated solid-state transmitter using dual-gate and power FETs, radar appls. 2−6860
GaAs MESFET amplifier replacing TWT amplifier, 5-W 8-GHz 2−5359
GaAs-Si_3N_4 interface, trap studies 2−14715
$In_{0.53}Ga_{0.47}As$-Si_3N_4 n-channel inversion mode MISFET 2−9653
InGaAsP n-channel inversion mode MISFET with low interface state density 2−9658
InP IGGETs, n-channel, virtual self-aligned process 2−9654
InP inversion-mode MISFET, pyrolytic Al_2O_3 deposition temp. effect 2−9659
InP MISFET with thermally oxidised InP-InP interface, current drifting behaviour 2−20252
InP MISFETs, n-channel, for logic appl. 2−25223
InP MISFETs, n-channel, enhancement and depletion mode, fabrication for logic appls. 2−25263
InP MOSFETs, anodic oxide film as gate insulator 2−25222
InP, microwave MISFET technology 2−1396
InP n-channel inversion mode MISFET using P_3N_5 gate insulator 2−25228
InP oxide film deposition on InP for MOSFET appls. 2−20263
n-InP-Al_2O_3 interface, anodic growth, props., enhancement-MISFET fabrication on semi-insulating substrates 2−20260
MoS_2:P films for LSI appls. 2−14914
$PbTiO_3$ ferroelec. thin film gate FET for IR detection 2−3153
n-SI MOSFET-type struct., electronic response to illumination, surface effects 2−10116
Si, amorphous, IGFET, appl. to liq. cryst. displays and integrated logic circuits 2−25244
Si film, encapsulated, zone-melting recrystn. on SiO_2, morphology and crystallography 2−24916
Si MOSFET, nonmetallic cond. in electron inversion layers at low temp. 2−9668
Si MOSFET, quantised Hall resist. meas. at liq. ^3He temps. 2−25242
Si MOSFET gate oxide elec. field distrib. direct obs. using SEM 2−14865
Si:B, As, short channel MOSFET and n^+-p junction diode, fabrication using ion implantation and laser annealing 2−14871
Si-on-oxide (100) MOSFET fabrication by scanning CW-laser-induced lateral seeding technique 2−25236
SiO_2:N dielectric films, Mrad electron irrad. tolerance, for IGFETs 2−25353
WSi_2 interconnection for VLSI circuits 2−15020
WSi_x-Si:P annealing behaviour, effect on MOSFET IC device fabrication 2−5820

insulated wires
circular insulated conductors, determ. of elec. potentials and capacitances *(Russian)* 2−15596
distribution circuit covered-conductor burndown prevention 2−17711
electrical/electronics insulation, conf., Chicago, IL, USA (Oct. 1981) 2−18872
enamel viscosities rel. to cresylic acid content, model FORMVAR and polyurethane types 2−15070
enamelled conductors for electric machines, properties evaluation methods *(Russian)* 2−24750

insulated wires continued
enamelled wire film, curing, optimisation pyrolytic gas chromatography appl., residual solvents 2−15071
enamelled wires, standard, elongated, elimination of crazing, corona inception voltage 2−14334
enamelled wires coated with water soluble polyimide varnish, properties *(Japanese)* 2−9258
flame retarded wire and cable selection for industrial appls. 2−14335
hermetic motor magnetic wires, characts. 2−27861
hermetic motor windings, self-bonding and polyamideimide-ester magnet wire, props. 2−18151
'KAPTON' covered rectangular Cu wires, props., performance and applications 2−24751
machine windings, moisture-resistant magnet wire from Phelps Dodge, appls. 2−18150
machine windings, polyamideimide resin for 200°C enamelled wire 2−18152
magnet wire in 1980s, manufacturing, materials and markets 2−14332
magnet wire with polyester/epoxy varnish insulation, compatibility tests 2−14333
natural convective cooling 2−24752
polyester amide-imide wire enamel cure profile determ. by dielec. anal., automatic dielectrometer 2−16837
stripping, oscillating electrodischarge wire stripper-head/ 2−975
stripping, using NICHROME heater 2−5394
wire enamelling method and quality control *(Rumanian)* 2−19908

insulating coatings
see also varnish
bipolar transistors, effect of insulation coatings on forward beta degradation 2−9632
bismaleimide-triazine resin, elec. insulation material, use as solid, varnish or powder 2−15073
coated fibre glass sleevings, primer 2−15074
enamel viscosities rel. to cresylic acid content, model FORMVAR and polyurethane types 2−15070
enamelled conductors for electric machines, properties evaluation methods *(Russian)* 2−24750
enamelled wire film, curing, optimisation pyrolytic gas chromatography appl., residual solvents 2−15071
enamelled wires, standard, elongated, elimination of crazing, corona inception voltage 2−14334
photovoltaic modules, elec. insulation systems, defect design 2−23574
polyester amide-imide wire enamel cure profile determ. by dielec. anal., automatic dielectrometer 2−16837
sleevings with textile yarn base, production techniques, further improvements 2−13273
varnish as insulating coating, UL 1446 standard 2−25388

insulating materials
see also asbestos; ceramics; composite insulating materials; dielectric materials; gaseous insulation; glass; insulating thin films; mica; organic insulating materials; thermal insulating materials
developments in insulating techniques *(Hungarian)* 2−22944
dielectric insulators for compressed gas insulated transmission lines 2−9802
dielectric phenomena, conf., Whitehaven, PA, USA (Oct. 1981) 2−4576
electrical/electronics insulation, conf., Chicago, IL, USA (Oct. 1981) 2−18872
glass, surface flashover measurements in vacuum and N_2 gas 2−9805
glass-fibre insulating sleevings, properties 2−9829
HV power engineering materials *(Polish)* 2−7566
inorganic electrical insulation, for transformers, motors and other appl. 2−27873
laminated insulants subjected to inclined plane tracking tests, electrode material effect 2−9764
plastics, insulating characts. and applications *(German)* 2−1515
power cable materials and accessory production, current trends *(Polish)* 2−3756
semiconductively glazed insulator surfaces, electrochemical deterioration 2−9762
solid, discharge processes, electrical life and evaluation *(German)* 2−18377
solid, thermal endurance data 2−25382
surface and volume conductivity, field calcs. *(German)* 2−9821
tracking and erosion consideration of physical proceses 2−9823
Si insulating compounds in electric motors, transformers *(Polish)* 2−4651

insulating materials, acoustic *see noise abatement*

insulating materials, thermal *see thermal insulating materials*

insulating oils
alkylbenzenes, aromaticity of synthetic dielec. fluids and elec. props. 2−5855
alkyldiphenylethane, aromaticity of synthetic dielec. fluids and elec. props. 2−5855
alkyldiphenylethane, flammability of aromatic base elec. insulating oils 2−1518
alkylnaphthalene, aromaticity of synthetic dielec. fluids and elec. props. 2−5855
alkylnaphthalene, flammability of aromatic base elec. insulating oils 2−1518
corrosion in thermally high stressed rectifier transformers, electrolytic phenomena in hydrocarbon liquid 2−7902
dielectric liquids, conduction current and DC breakdown voltage *(Korean)* 2−9768
dimethyl silicone liquid, flammability 2−15075
electric breakdown, effects of additives under uniform electric field *(Chinese)* 2−20462
ferromagnetic liquid insulation, spatial distrib. of quantum parameters 2−15076
high field DC cond. in aged transformer oil 2−7904
HV power capacitors, hydrocarbon oil filled mixed dielectric, performance tests 2−14317
HV transformers, operating behaviour of insulation oils 2−7905
liquid filled transformers with high temp. operating capabilities 2−18310
liquid-solid dielectric interfaces, effect of duct configuration on oil activity 2−9776
MIDEL 7131, AC and impulse breakdown voltages 2−7903
mineral oil under external bubble injection, electrically induced pressure 2−9784
non-flammable biodegradable transformer insulating fluid, chemical, physical and electrical operating parameters *(Italian)* 2−27956

insulating oils continued
oil filled transformers, adhesive bonding systems for distribution transformer coils 2−15082
oil-immersed transformers, effects of local temperature-rise of constructional elements on insulating materials ageing *(Polish)* 2−4265
oil-impregnated biaxially oriented polypropylene-films, TSC, interfacial polarisation 2−9827
paper coatings on electrodes, influence on elec. strength of transformer oil 2−7906
polychlorinated biphenyls anal. of transformer oils using gas chromatography, review 2−18312
polymeric materials in transformer oil, ageing characts. 2−15081
power transformer insulating oils, streaming electrification and ionic conduction 2−4270
power transformer insulation testing, on-line incipient fault detector, field experience 2−23350
power transformer oil insulation AC and switching impulse strength measurements anal. using estimation method based on functional networks with fixed shape parameters *(Polish)* 2−27983
quasi-steady and burst current in aged transformer oil under high direct field 2−1519
with SF_6, effect of elec. field on electron attachment 2−1520
short time AC V-t characteristics of oil gaps 2−1517
silicone, elec. props., influence of sample prep. and conditioning procedures 2−5856
silicone filled transformers, water contamination 2−18311
silicone fluid 561, AC and impulse breakdown voltages 2−7903
silicone oil layers, behaviour at partial discharge stress 2−5854
solid-liquid interfaces, effect of particles on electric-field induced phenomena 2−9777
static electrification phenomenon in pressboard-transformer oil insulation system using forced oil flow 2−7907
transform oil, AC and impulse breakdown voltages 2−7903
transformer, characteristics of the action of a constant voltage field on liquid petroleum dielectrics 2−15066
transformer insulation, breakdown time lag distrib. for step function approximated impulse voltages 2−1496
transformer oil, apparatus for continuously monitoring dissolved H_2 gas 2−23336
transformer oil, effect of insulating barriers on partial discharge onset stresses 2−9770
transformer oil, pre-breakdown density change and current under non-uniform field, schlieren camera with image convertor 2−1522
transformer oil, prebreakdown discharges under sub-atmospheric pressures, high-speed optical system appl. 2−1488
transformer oil impregnated crepe paper insulating tubing, electrical perform. 2−15083
transformer oils, influence of SF_6 on elec. behaviour and gassing props. 2−7901
transformer winding edge insulation, electric strength of oil ducts *(Russian)* 2−18288

insulating thin films
see also dielectric thin films; electronic conduction in insulating thin films
composite oxide films formed by DC plasma anodization of Al/GaAs 2−9586
MOS VLSI, thin gate insulator process, high-press. low-temp. oxidation technique 2−20421
Myler thin film, surface flashover arc orientation 2−20438
oil-impregnated biaxially oriented polypropylene-films, TSC, interfacial polarisation 2−9827
PIQ, polyimide type polymer, characterisation and appl. to semiconductor devices 2−9546
PMMA thin film masts, for use in electron beam lithography, thickness profile determ. 2−14525
polyethylene terephthalate films, elec. breakdown, influence of water 2−20443
polyimide coatings of IC appls. 2−9545
polyimide films, line deletion and personalisation parameters, optical optimisation 2−25889
polyimide insulators for multilevel interconnections 2−14922
polyimide used in dual metal layer process, via openings, IC appls. 2−9544
polymer materials, appls. for integrated ccts. *(Japanese)* 2−20335
Teflon in MIM structure, charge storage and transport in electron-irradiated and corona-charged dielectrics 2−20154
thermally nitrided oxide films, thin gate insulator technology for MOS VLSI 2−20420
VLSI, reliability implications of polyimide multilevel insulators 2−9744
BN passivation film, MOST, resistivity, gate charge decay time meas. 2−9660
InP oxide film deposition on InP for MOSFET appls. 2−20263
P_3N_5 CVD film used as gate insulator for inversion mode InP MISFET 2−25228
Si-rare earth oxide film MOS struct., negative resist., switching and signal generation 2−25094
Si_3N_4 amorphous layers, oxidation kinetics, ellipsometric obs. on Si-Si_3N_4-SiO_2 struct. 2−1306
Si_3N_4 film, MNOS struct., electron traps, photoionisation cross-section 2−25081
Si_3N_4 in MNOS structure, quasi-static and HF C(V) curves, insulator polarisation effect 2−25089
Si_3N_4 layers on n-InP substrate, elec. props., MIS capacitor fabrication 2−5635
Si_3N_4, plasma CVD *(Japanese)* 2−8835
Si_3N_4, plasma enhanced CVD on to InP 2−19449
Si_3N_4, plasma-enhanced CVD, using SiH_4N_2 mixture, mech. 2−13838
Si_3N_4, prep. by plasma and low press. CVD in horizontal reactor 2−8837
Si_3N_4, synthesis by ion implantation *(Japanese)* 2−8827
Si_3N_4 thin gate insulator technology for MOS VLSI 2−20420
SiO_2, electrically alterable PROM appl. 2−20409
SiO_2, electron energy loss and mean free path 2−15085
SiO_2 film in MOS struct., meas. of charge distrib. by BT treatment *(Japanese)* 2−1250
SiO_2, hardened field insulator 2−14704
SiO_2 layers, CVD by photochemical combustion of SiH_4 and O_2 below 100°C 2−19451
SiO_2 layers on n-InP substrate, elec. props., MIS capacitor fabrication 2−5635
SiO_2, plasma deposition on GaAs 2−25161

insulating thin films continued
SiO_2, plasma enhanced CVD onto InP 2−19449
SiO_2, plasma-deposited, charact. 2−5011
SiO_2, prep. by plasma and low press. CVD in horizontal reactor 2−8837
SiO_2, synthesis by ion implantation *(Japanese)* 2−8827
SiO_2 thin films, enhanced low temp. diffusion of electron-beam evaporated Al 2−25078
SiO_2:N dielectric films, Mrad electron irrad. tolerance, for IGFETs 2−25353

insulation
see also cable insulation; electric breakdown; insulating coatings; insulating materials; insulators; machine insulation; transformer insulation
coil insulation under intense γ-ray irradiation, flashover characts. study 2−1502
diallyl phthalate, and isophthalate, new appl. to electronics insulation 2−15065
electrical/electronics insulation, conf., Chicago, IL, USA (Oct. 1981) 2−18872
electrode insulation, electrolytic contamination, thermal load, non-uniform field *(German)* 2−5850
electrolytic contaminated insulation, thermal stress caused by Joulean dissipation of creepage current *(German)* 2−1516
electrolytic corrosion in electrical components, destructive effects 2−15063
high vacuum accelerator tubes, prebreakdown and breakdown processes, review 2−11733
HV impulse devices with aqueous insulation, insulator shape optimisation 2−28135
HV insulating system analysis by finite element based method *(Croatian)* 2−27554
HV insulation techniques, weak inhomogeneous electric fields in enclosed HV devices *(German)* 2−15061
microabrasive blasting, for insulation removal 2−15062
quartz interlevel insulation, reliability evaluation for MIM structures 2−25100
standardised test procedures, expedites insulation evaluation 2−20459

insulation, thermal *see thermal insulation*

insulation co-ordination
HV systems, protection and co-ordination of insulation against overvoltages of internal origin *(Spanish)* 2−27579
phase-to-phase surge divertors, probabilistic insulation co-ordination *(Czech)* 2−12191
switching station design allowance for network conditions and switchgear ratings *(Italian)* 2−12736
SF_6 insulated substation environment and protection scheme 2−18397
SF_6 switchgear, problems during arc discharges *(German)* 2−18377

insulation testing
77 kV cross-linked polyethylene cables, Y-splices development 2−27555
275 kV cross-linked polyethylene cables terminations development 2−27510
500 kV disconnecting switch insulation, elec. strength evaluation 2−18390
AC stator windings, form wound, insulation systems, voltage life testing 2−23266
air gap electric strength in the presence of oscillatory voltage impulses *(Russian)* 2−12279
arc ignition test using high power density 2−618
cable fault localization, new circuit based on the earth-fault loop *(German)* 2−4665
cable insulation testing, reed relay appl. to personnel protection 2−24753
capacitance-graded bushings with insulation of oil-impregnated paper 2−7562
DC motor field coils, new insulation system 2−23313
dielectric, 400 kV power transformers, metalclad, for power system, in France *(French)* 2−23340
distribution transformer with insulating fluids, load tests *(French)* 2−12684
electrical ageing of dielectrics, math. model 2−9767
enamelled wire film, curing, optimisation pyrolytic gas chromatography appl., residual solvents 2−15071
enamelled wires, standard, elongated, elimination of crazing, corona inception voltage 2−14334
epoxy resin insulators, flashover voltages, obs. 2−9810
HV insulators of electro-filters, insulating materials investigation *(Polish)* 2−7571
HV power capacitors, hydrocarbon oil filled mixed dielectric, performance tests 2−14317
locating high voltage insulation faults in switchgear 2−23379
low-voltage permanent magnet motors, statistical destructive testing, insulation/component quality 2−23327
LV insulations AC voltage insulating power *(German)* 2−25372
machine insulation, mica paper tapes/wrappers for use in vacuum press. impregnation systems, evaluation 2−18154
machine insulation failure, 'transition effect' in thermal ageing process 2−23253
measuring device for strain gauge technique *(German)* 2−11448
merge test methods, for turn insulation of electrical rotating equipment 2−23255
mica-resin insulated coils, tests and degradation criteria 2−7824
motor winding insulation failure, steep-fronted switching voltage transients meas. 2−27875
motor windings, interturn insulation stresses, steep-fronted switching voltage transients distribution tests 2−27876
MV polyethylene and crosslinked polyethylene cables defects survey by German electricity supply industry *(German)* 2−27507
NONCHLOTHENE insulated wire and cables chemical, electrical and thermal characts. *(Japanese)* 2−17739
nondestructive, AC current-testing method and measurement equipment 2−7894
nuclear power plant power cables insulation flame proofing and increased resistance to radiation 2−27498
outdoor insulators, moulded plastic, ageing tests for operation in various climatic conditions *(Finnish)* 2−27544
photovoltaic concentrator cell modules cost reduction by using automatic cell assembly, test modules testing 2−23471
plastics immersed in transformer oil, anomalous breakdown under surge voltages obs. 2−22357
polyester amide-imide wire enamel cure profile determ. by dielec. anal., automatic dielectrometer 2−16837
polyester/epoxy varnish insulation for magnet wire, compatibility tests 2−14333

insulation testing continued
polyethelene-insulated impulse cables, breakdown and work potential testing *(Russian)* 2−15042
polyethylene, cable insulation appls., partial discharge evaluation, 8-channel ATE controlled by real-time microprocessor system 2−11364
polyethylene cable insulation, protection against treeing by addition of retarding agent, expt. tests 2−9791
polyethylene power cable insulation, ageing studies size exclusion and coupled chromatography 2−15079
polymers, ASTM tracking test methods 2−15047
power cables, halogen-free fire resistant properties and requirements *(German)* 2−27505
power cables, MV, testing and jacket defects location *(German)* 2−27502
power cables, polyethylene insulated, statistical reliability testing *(Czech)* 2−3751
power transformer insulation testing, on-line incipient fault detector, field experience 2−23350
rotating electrical machines, high-voltage testing of winding insulation, test voltages, types 2−23252
solid materials electric breakdown, influence of probability distribution bimodality *(Slovak)* 2−20437
spark breakdown potential meas. in gas mixtures, microprocessor controlled method *(German)* 2−3248
standardised test procedures, expedites insulation evaluation 2−20459
synthetic insulation disruptive strength dependence on electrical pre-stress *(German)* 2−20436
telephone lines checking equipment, cable burner appl. *(French)* 2−16819
th volt second characteristics/ of insulator/ sets subject to nonstandard lightning/ pulses and reduced atmospheric pressures *(Russian)* 2−3779
thermal endurance of insulating varnished glass cloth by torsional braid analysis method 2−9824
thermal endurance of insulating varnished glass cloth by torsional braid analysis method 2−9826
Tokamak magnet, electrical insulation tests after mechanical stresses at −196°C and 23°C 2−2101
traction motor, LV, insulation meas. using partial discharge instrum. *(Japanese)* 2−4036
varnish as insulating coating, UL 1446 standard 2−25388
VLSI, reliability implications of polyimide multilevel insulators 2−9744
void density and size determ. from partial discharge pulse height expt. anal. 2−9822
XLPE cable insulations, mineral filled, voltage endurance in wet and hot environment 2−15077
zero risk net analysis for insulation resist. testing of component carriers 2−18976
SF_6, gaseous and liquid, dielectric breakdown behaviour, obs. *(German)* 2−9808
SF_6 insulation electric strength for EHV apparatus *(Russian)* 2−28040
SF_6 switchgear problems *(German)* 2−18377

insulator-metal boundaries *see metal-insulator boundaries*

insulator-semiconductor boundaries *see semiconductor-insulator boundaries*

insulators
i.e. insulating devices. For materials see insulating materials
see also bushings; insulation
anti-radio noise insulator with shielded internal metal fittings for horizontal mounting on distribution lines *(Italian)* 2−27548
arcing-over in water, in Rogovskii electrode system *(Russian)* 2−5836
Buenos Aires province power transmission line insulators contamination, current leakage *(Spanish)* 2−22943
cap and pin insulator strings, pot. distrib. calc. *(Italian)* 2−22945
compressed gas insulated systems, surface flashover of spacers, review 2−1500
contaminated insulator flashover mechanism, math. models *(French, English)* 2−27553
developments in insulating techniques *(Hungarian)* 2−22944
EHV insulator fittings, manufacturing parameter importance 2−3777
EHV line long-rod composite insulators *(Polish)* 2−17755
flashover in vacuum, surface props. 2−9806
flashover voltage with liquid conducting film 2−27557
glazed semiconducting insulators, harmonic analysis of currents as indicator of deterioration 2−27560
HV, design and selection, influencing factors 2−3778
HV, silicone elastomer protective coatings 2−9807
HV disc type gas insulation spacer, charge simulation method with complex fictitious charges for calculating capacitive-resistive fields 2−12280
HV electric apparatus, optimum screening of support insulation *(Russian)* 2−17754
HV insulators of electro-filters, insulating materials investigation *(Polish)* 2−7571
HV outdoor insulators, performance in contaminated environments 2−7569
long bar insulators, porcelain and synthetic, properties and advantages *(German)* 2−3774
low pressure conditions, press. depend. of DC breakdown of contaminated insulators 2−27559
LV insulators subject to lightning strikes, dimensioning of leakage paths *(German)* 2−3775
outdoor, moulded plastic, ageing tests for operation in various climatic conditions *(Finnish)* 2−27544
outdoor plant contaminated insulator layer conductivity measurement *(German)* 2−27551
polysil polymer concrete for DC suspension insulators 2−5851
porcelain plate insulators electric strength under impulse voltage with steep leading edge *(Russian)* 2−27547
post, mechanical forces determ. 2−3780
silicone oil layers, behaviour at partial discharge stress 2−5854
suspension isolators, pin corrosion, mechanism and protection 2−7563
th volt second characteristics/ of insulator/ sets subject to nonstandard lightning/ pulses and reduced atmospheric pressures *(Russian)* 2−3779
time to flashover mechanisms with liquid conducting film 2−27558
washing insulators in the Saudi Arabian desert 2−27564

insurance
product liability insurance, overview 2−39

integer programming
0-1 integer programming problem 2−375
acyclic subgraph problem, branch and bound algorithm 2−19182
approximate algorithm for linear problems *(Bulgarian)* 2−19263
b-hull of an integer program 2−4898
bound and bound algorithm for the zero-one multiple knapsack problem 2−24196

integer programming continued
computer network heuristic model 2−21557
decomposition method for mixed integer linear programming problems with angular structure 2−400
duality, Lagrangian relaxation and branch-and-bound approaches 2−380
electric networks, discrete tolerance allocation, computer-aided method formulated as nonlinear integer programming problems 2−8942
energy supply discrete optimisation methods 2−22784
existence of solutions to integer programming problems *(German)* 2−409
finite checkability for integer rounding properties in combinatorial programming problems 2−24203
fully polynomial approximation algorithm for the 0-1 knapsack problem 2−19251
general duality theory survey 2−4906
generating facilities optimal preventive maintenance, reduced tree search 2−22820
heuristic self-organization algorithm for solving an integer-valued linear programming problem 2−19264
Lagrangian treatment of certain nonlinear clustering problems 2−379
large scale hydro-thermal system generation expansion planning, optimisation-simulation technique 2−17682
linear discrete dynamic system, parameter estimation, filtering problem under conditions of ambiguous meas. 2−22032
linear integer programming problems with inexact objective function 2−373
logical reduction methods in zero-one programming, minimal preferred variables 2−423
mathematical capital programming model for electric energy 2−17675
mixed integer program solutions 2−13643
polynomial algorithm for integer programming covering problems satisfying the integer round-up property 2−24207
postoptimality anal. in nonlinear integer programming, right-hand side case 2−421
sequential circuit intermittent fault detection and location, test design 2−19626
solution algorithms for integer linear programming problems 2−24192
travelling salesman shortest complete cycle 2−4877
zero-one programming problems, approximate solns. quality meas. 2−402

integral equations
see also integro-differential equations
acceleration of conductors in magnetic fields, dynamic induction mechanisms 2−10425
active power loss in thick plate generated by one side inductor heater 2−25900
antenna potential method for multivariate integral equations 2−541
asymptotic memoryless detection of random signals in dependent noise 2−6443
asymptotic separation coefficients for integrals by Laplace method *(Russian)* 2−534
bidiagonalization-regularization procedure for large-scale discretizations of ill-posed problems 2−19378
boundary value problems, solution 2−24261
boundary-value problems, iterative method convergence 2−539
Bourret approx. in stochastic integral eqns., possible incorrect results 2−286
calculating magnetic fields in nonlinear anisotropic media *(Russian)* 2−10419
Cauchy solution of heat equation *(Russian)* 2−13792
Cauchy type singular integral equations, solution using piecewise quadratic polynomials 2−13790
Chan-Lu method for Abel's integral eqn. inversion 2−8416
collocation methods for two dimensional weakly singular integral equations 2−8780
completely monotonic functions, differential approx. 2−8703
computation of a DC brushless motor with rare-earth cobalt magnets and controlled power electronics 2−4221
conducting earth, image approximations extensions 2−6290
conducting strip, switching props., eigenvalues for integral eqns. *(German)* 2−9237
convergence in kth variation and RS_k integrals 2−8419
convergence theorem for singular integral equations 2−8784
convolution integrals and correlation functions, soln. using block pulse functions 2−182
convolution operators *(Russian)* 2−13793
coupling shell problem, compactness property for solution *(French)* 2−24046
cubic splines and approximate solution of singular integral equations 2−13794
curvature integrals and potentials of analytic hypersurfaces C^n *(French)* 2−24043
curvilinear screen array, diffraction of plane E-polarised waves *(Russian)* 2−21071
deferred correction for the integral equation eigenvalue problem 2−8781
deferred corrections for equations of the second kind 2−8779
digital image restoration, direct algorithm 2−21364
directional protection scheme based on time-domain anal. for digital processor use 2−3792
Dirichlet problem, abstract type *(Chinese)* 2−13787
Dirichlet-finite outer functions 2−19067
discrete maximum principle for finite elements of higher order 2−536
distribution singular spectrum definition *(French)* 2−4704
dual time scales in a wave problem governed by coupled nonlinear equations 2−13797
E-plane step-diaphragm junction discontinuities, singular integral eqn. soln. 2−26016
eddy currents, high frequency, boundary integral equation method 2−15615
electromagnetic field vector representation 2−21008
elliptic, finite element solution *(French)* 2−13786
EM fields, 3-D, numerical solns., singularity/integral eqn. method 2−15601
EM screen, integral eqn. anal. 2−15731
EM wave scatt. by inhomogeneous fixed obstacles, theoretical study 2−2107
EM wave scattering from dielectric cylinder 2−21079
Feynman, numerical solution 2−537
first kind, numerical soln., comparison of methods 2−8782
forced vibrational response finite element model 2−8773
Fredholm eqn. of second kind, iterated projection soln. 2−8778

integral equations continued
Fredholm integral eqn. of first kind, synthesis of one- and two dimensional electrostatic field 2−6292
general quadrature methods 2−19381
harmonic functions in half-spaces, domination, uniqueness and representation theorems 2−24040
induction pump, linear, boundary integral eqn. soln. 2−15616
inner functions and multipliers of Cauchy type integrals 2−8401
iterational regularization for equations of the spectrum 2−19388
Lebesque integrals of Riemann-Liouville type, over-defined differential equation system *(Russian)* 2−4710
linear antenna system, axially oriented near perfectly conducting body of revolution, formulation and numerical solutions *(Croatian)* 2−15761
linear induction motor, field calc. by integral eqn. 2−2078
magnetostatic Poisson's eqn., two-dimens., hybrid finite element-boundary integral soln. 2−15606
microstrip lines, on transversely magnetised ferrite substrate, approx. of harmonic functions 2−14281
Monte Carlo vector algorithm methods, optimisation *(Russian)* 2−13791
multidimensional Tauber theorem for holomorphic functions with a non-negative imaginary part *(Russian)* 2−4972
multiple Wiener-Ito integrals. With applications to limit theorems in random variables problems, book 2−8428
n-dimensional convolution integrals computation 2−8789
non-linear potential problems, boundary integral eqn. soln. 2−24270
non-prismatic three-dimensional beam finite element model 2−8771
nonlinear, soln. using iterative method with regularity constraints *(French)* 2−19384
nonlinear elliptic problems with jumping nonlinearities near the first eigenvalue 2−19081
nonlinear integral equations 2−19382
nonlinear multigrid method, error anal. 2−4970
nonlinear random functional integral equation 2−19091
nonlinear Schrodinger equation existence and uniqueness 2−19346
nonlinear singular integral equations, method of moments 2−19389
nonlinear Volterra, step size control extrapolation 2−19380
optimum design of stiffened conical shells with natural frequency constraints 2−8772
optimum energy utilisation during spark machining *(German)* 2−4495
p-valent meromorphic functions, certain integrals for classes 2−13379
piecewise polynomial approximation to the solution of an integral equation with weakly singular kernel 2−8691
piecewise-linear antennas, current distrib., generalized Hallen's type integral equation, closed form kernel 2−2188
pipe type power cables, eddy current losses, integral eqn. calc. 2−17737
plane elasticity, mixed finite element family 2−535
plane EM wave scattering from eccentrically coated metallic sphere 2−6320
plasticity, boundary element method 2−4971
pluri-harmonic duality theorem *(French)* 2−13785
Prandtl, discrete vortices method solution 2−8785
pyrometry integral equation numerical solution 2−11490
rectangular waveguide, loaded with semiconducting post, microwave elec. field distrib., integral equation method 2−10541
rectangular waveguides, circular polarisation synthesis with nonresonant slots 2−19839
Runge-Kutta methods applied to Volterra integral eqn., stability anal. 2−8783
second-kind Volterra integral equations, numerical treatment, convergence and stability anal. for modified Runge-Kutta methods 2−8766
singular integral eqns., closed and semi-closed quadrature rules appl. to direct numerical soln. 2−8775
singular integral equations, solution by refining iterations 2−13798
singularity subtraction in the numerical solution of integral equations 2−8776
space-time integral eqn. approach to EM wave scattering in dielectric solids 2−21065
spectral approximation of linear operators with applications to the computation of eigenelements of differential and integral operators 2−13784
Stefan problem approximation 2−24271
stochastic calculus of variations 2−538
storage problem of GI/G/r(x) store and approximating solution 2−4698
stress boundary integral equations numerical algorithm 2−8769
thin films heads, asymmetric, response to vertical and horizontal magnetisation 2−15191
transmission line singularities, boundary integral eqn. anal. 2−9206
Volterra eqns. of second kind, reducible quadrature methods, numerical stability 2−8787
Volterra integral equations of the first kind, convergence, zero stability 2−8767
weakly singular eqns., properties of solns. 2−8777
weighted Galerkin method of numerical solution of Cauchy type singular integral equations 2−19385

integral transforms *see transforms*

integrated circuit manufacture
Used for commercial manufacture only
see also masks; photolithography
64K RAMs, mass production using electron beam lithography 2−20338
automated parametric testers to monitor IC process 2−9705
automatic production techniques, hybrid components *(German)* 2−5491
automation in electronics, automation in final assembly 2−24804
building block design of flow mechanised lines for fluidic treatment of printed circuit boards *(Russian)* 2−9703
CAD, algorithm 2−19954
CAD hierarchical routing 2−9698
chrome blanks and step projection aligner, used for VLSI mass production 2−20340
contaminant identification in semiconductor processing 2−1412
Delft submicron technology centre *(Dutch)* 2−20281
EL-3 electron-beam direct write manufacturing tool for semiconductor factory, appls. 2−20299
electronics manufacturing industry in Ireland, review 2−13258
epitaxial layer growth, production process for semiconductor components *(German)* 2−19410
Europe, semiconductor industry, summary of market situation *(Italian)* 2−23862
European integrated circuit manufacturing industry developments *(German)* 2−25279
feasibility for Arab world 2−5474
hybrid circuit production, automated die and wire bonders 2−9338

integrated circuit manufacture continued
Indian components industry review 2−13137
ion implantation, trends in technology 2−20196
labour-material-cost balance, effect of microelectronics *(German)* 2−9325
LSI FET memory chip manufacturing processes and systems 2−15015
LSI mask artwork minimum cut algorithm to facilitate computer-aided manufacturer *(Chinese)* 2−5780
microcircuit wire bonds mechanical testing, results anal. using K1510 microprocessor *(German)* 2−1049
microelectronic development, manufacture and applications, work study aspects *(German)* 2−125
MIS LSI, method *(Russian)* 2−9738
monolithic future prospects, Slovenia and Yugoslavia *(Slovenian)* 2−25278
monolithic ICs, manufacture at RIFA, Swedish components manufacturer in Ericsson Group 2−14897
MOS transistor technology simulation *(German)* 2−14526
optimisation methods *(Russian)* 2−9702
photomasks, fine IC pattern making 2−1415
plasma etching device for 64K RAM 2−5781
plasma etching for semiconductor masking 2−25323
Plessey Semiconductors Ltd. developments 2−1421
printed circuits, development in USSR *(Russian)* 2−9701
PROMIS−a process management and information system for integrated circuit fabrication 2−19990
random behaviour of fabrication process, statistical characterization 2−1051
recursive net synthesis algorithm 2−14911
semiconductor reliability testing method, pressure cooker tester using steam pressure 2−1416
submicron IC production by fast-blanking electron beam lithography 2−1050
tape automatic bonding, reliability of products 2−9341
test chips in IC manufacture, data processing 2−9704
thick film hybrid circuits manufacture at RIFA 2−24837
VLSI, advances in IC-manufacturing technology 2−1414
VLSI technology, manufacturing co-operation in Scandinavia *(Danish)* 2−20279
Si wafer fabrication plants, liquid N_2 filters and gas purifiers, gas analyzers 2−20179
WSi_x-Si:P annealing behaviour, effect on MOSFET IC device fabrication 2−5820

integrated circuit technology
See also under specific integrated circuit headings
see also semiconductor technology
8A1200 gate array, for IC design, using integrated Schottky logic *(French)* 2−14979
64K-bit dynamic MOS RAM *(Japanese)* 2−9099
accelerometers, Si integrated microbeam PI-FET 2−22234
Advanced Symbolic Artwork Preparation, Hewlett-Packard's IC design system 2−5768
amorphous semiconductors, photolithogrpahic processes 2−20337
arbitrary mask edges, two- and three-dimensional analytical solns. for post-anneal implant profiles 2−25284
assembly processes, improvement of quality *(Bulgarian)* 2−5498
automatic LSI photomask defect inspection for improved yield, characts., and reliability 2−1417
bipolar, planar metal bands fabrication, high density 2−5803
bipolar ECL gate with 1.25 μm design rule, LSI technology appl., prep. by advanced photolithography 2−20395
bipolar structure with junction capacitance integrated within each cell 2−14846
bipolar VLSI, fine patterning, epitaxial film deposition and self-alignment technologies 2−20394
bipolar VLSI, layout aids by automatic checking of cell library assembly *(French)* 2−14981
bipolar VLSI masterslice chip, automated placement and wiring 2−20391
bipolar VLSI masterslice chip, density enhancement study 2−20390
bipolar VLSI masterslice chip, off chip communication and testing 2−20392
bipolar VLSI technology, low-power I^2L/MTL ccts and high-performance ccts, optical lithography, potential appls. 2−20393
bipolar VLSI technology, use of depleted base transistors, process sensitivity 2−20396
bird's beak elimination, in recessed oxide isolation process 2−5655
bond pad opening etching, method for complete exposure determ. 2−20349
buried layer formation for bipolar integrated circuits, Sb diffusion from spin-on doped oxide 2−5688
buried-gate electrically alterable memory device, folding for area-saving vertical geometric feature 2−19667
capacitive dew-point sensors, construction and props. 2−11673
cell assembling language, directs realisation of data processing units for ICs 2−19508
Center for Radiation-Hardened Microelectronics (CRM) at Sandia National Laboratories, NM, USA 2−9723
ceramic chip carriers, reflow attachment and reliability testing 2−5797
chip carrier technology *(German)* 2−14898
chip removal and chip site dressing 2−5695
CMOS, retrograde p-well for higher density 2−1449
CMOS, Si-gate, radiation hardness, gate oxide thickness effects 2−15005
CMOS gate arrays for semi-custom market 2−5812
CMOS high-speed logic family based on standard 5-μm Si-gate process, 3.5 μm self-aligning gate technology 2−24476
CMOS invertor with stacked transistors for high density 2−9735
CMOS LSI, custom high reliability radiation hardened circuit design 2−9751
CMOS LSI dielectric isolation technology, full isolation by porous oxidized Si 2−20422
CMOS technology for VLSI, processes, phys. limitations, digital and analogue ccts. 2−20417
CMOS/LSI bulk radiation hardened technology 2−14999
CMOS/SOS radiation-hardened Si-gate process comprehensive test pattern for process performance/control 2−20353
CMOS/SOS short-channel technology 2−9749
CMOS/SOS technology developments and appl. 2−5814
CMOS/SOS VLSI circuit fabrication using electron beam/optical hybrid lithography method 2−9745
complementary bipolar-FET IC struct. array and main memory appls., isolated process 2−1411

integrated circuit technology continued
complementary dielectric isolation, new process for HV device manufacture 2−1445
conference, Paris, France (Apr. 1981) 2−13149
confined laser heating and formation of bird's beak-free recessed oxide isolation 2−14910
connectivity study, for simplified circuit design *(French)* 2−13904
custom circuits, specification, design and simulation 2−9679
custom LSI circuits, automatic layout, standard cell and automated universal array techniques 2−14962
CVD, microelectronics processing appls. 2−13845
CVD system, computer control, use in processing of Si wafers and sapphire and spinel substrates 2−25292
deep UV projection lithography using novel negative resist 2−20368
deep-UV positive photoresist, poly(methyl methacrylate-co-indenone), Si IC technology appls. 2−20323
design and fabrication, comprehensive curriculum at Purdue University 2−8176
development in Norway since 1960 *(Norwegian)* 2−19987
developments, review 2−14042
dielectrically isolated ICs for HV, high temp. appls. and radiation tolerant devices 2−9724
diffusion barriers in layered contact structures 2−5707
digital ICs, array packaging scheme, 1K×10 bit format, partially good chips 2−24470
digital panel meters, convertor chips 2−17011
digital VLSI technology for computers, problems in creation of element base 2−5184
direct-write E-beam system, shaped beam concept for IBM's IC production 2−9714
double poly Si plate capacitors with SiO_2/Si_3N_4 insulators 2−25342
E-beam/photo lithographic process, dual-polarity, single-resist mixed 2−9696
ECL processing, bipolar test chip with emphasis on modularity and testability 2−14985
education, Summer Master of Engineering program at Clemson University 2−8178
education program at University of Arkansas 2−8179
EL-3 electron beam tool from IBM with mask making facility 2−9676
electron beam appl., lithography and annealing, review 2−20181
electron beam direct wafer writing system, double defl. correct., SEM column, multi-data exposure program, mask. reg. accuracy, LSI appls. 2−5784
electron beam exposure of Ge_xSe_{1-x} inorganic resist, oblique deposition enhanced sensitivity 2−20330
electron beam exposure technique/ for VLSI devices *(Japanese)* 2−1418
electron beam lithography, proximity effect compensation, optimisation techniques 2−25313
electron beam lithography, proximity effect correction 2−25310
electron beam lithography, proximity effect correction program 2−25307
electron beam lithography, proximity parameters determ. 2−25311
electron beam lithography, resolution limits 2−14757
electron beam lithography, use of bias for profile quality and linewidth control 2−25304
electron beam lithography, used for LSI mass production techniques 2−20338
electron beam lithography for IC manufacturing *(German)* 2−14918
electron beam lithography proximity correction, model for optimising CPU time 2−25314
electron beam proximity printing, proximity effect correction 2−25312
electron beam shaping in lithography, Kohler or critical illumination, current density distrib. 2−20306
electron beam technology appls. 2−9541
electron lithography system, computer controlled, for LSI, VLSI and VH SIC *(Slovak)* 2−9706
electron resist system, ion-bombardment tolerant, multilayer, high resolution 2−25316
electron resists, poly(chloromethylstyrene), high performance, molecular and chem. props., lithographic performance 2−20311
electron resists, poly(vinylnaphthalene), dry etching, etching rates comparisons, submicrometre fabrication 2−20314
electron resists, positive, pattern calc. by proximity function model, exptl. test 2−1273
electron-beam projection lithography for smaller VLSI 2−9677
electron-beam resist process, trilevel 2−25315
electrostatic discharge effects and production ccts., review 2−9752
electrostatic tube cleaner [wafer processing] for IC semiconductor wafer processing 2−1268
epitaxial collector I^2L/MTL technology, some device aspects 2−20384
etching, film deposition, using plasma technologies *(Spanish)* 2−20344
European integrated circuit manufacturing industry developments *(German)* 2−25279
fabrication, book 2−13197
FET, electroless plated spacer technology 2−5818
FET, with polycrystalline Si layers overlap capacitance minimisation 2−5817
FET process, defined edge profiles production in p^+ polysilicon 2−1454
FET process, parametric control 2−15023
fine pattern lithography for LSI fabrication dry development of deep UV resist with RF plasma *(Japanese)* 2−1419
future advances and impact of IC technology 2−13224
future device technologies and their implications, conf., London, England (Jan. 1982) 2−18879
future LSI design trends 2−14903
GaAs, digital, sub-μm transistor gate, electron-beam/optical hybrid lithog. 2−20405
GANG bonding, process and accelerated aging test for gold-plated tape automated bonding outer leads 2−1079
glass screen-printed optical components 2−1738
glassivation, bubble expulsion from molten glass by surface-tension gradient method 2−616
high speed, comparison SOS, GaAs developments 2−1455
high speed bipolar LSI process technology, super self-aligned fabrication (SST) *(Japanese)* 2−25331
high speed electron beam lithography system for direct writing on wafer or mask generation 2−20295
high speed pattern replication, by electron beam proximity printing 2−14927
high-performance bipolar transistor struct. fabrication of ICs, low extrinsic base resist. 2−1446
integrated circuit technology continued
high-resolution ion beam lithography, polyimide membrane masks 2−20318
high-speed all-implanted bipolar technology, emitter-collector shorts and leakage reduction 2−20385
high-speed digital VLSI, packaging, requirements and potential trade-offs 2−19607
high-speed electron-beam lithography column for exposure of large wafers or masks 2−20296
high-speed LSI logic and memories, modern bipolar technology 2−14980
high-throughput electron-beam lithography, mutual repulsion effects, computer Monte Carlo simulation 2−20308
high-throughput submicron lithography using electron beam proximity pointer, image positioning accuracy 2−20304
HMOS-CMOS low power high performance technology, appl. to 4K static RAM 2−25351
holographic lithography, resist profile modification 2−25303
HV CMOS technology 2−25344
HV MOS devices on logic chips 2−16973
hybrid, technology trends, growth of industry in India 2−14537
hybrid IC, Ag alloy thick film conductors and Ag-loaded chip attachment resins, Ag^+ ion migration 2−5495
hybrid IC, monolithic ceramic chip capacitor mass tinnning using vapour phase reflow process 2−14543
hybrid IC technology, thick conductive film form, by firing in air, use of base metals, appls. 2−19999
hybrid IC technology, thick film capacitor materials of powder-glass binary system, dielec. props. 2−20004
hybrid IC thick film component technology, book 2−13
hybrid ICs, abrasive trimming technology 2−14541
hybrid ICs, leadless ceramic chip carrier attachment using vapour phase soldering 2−14544
hybrid ICs, multi-layer substrate, fine pattern form, combination of thick-film dielec./thin film conductor, photolithography 2−20003
hybrid ICs, polyimide resin, solvent-soluble type, appls. 2−19998
hybrid ICs, reliability improvement, through preencapsulation cleaning process 2−24844
hybrid microcircuit technology status in India, role of chip capacitors and miniature packages 2−14538
hybrid microelectronics instruction course at Alfred State College, NY, USA 2−9336
hybrid process for contact metallurgy 2−20133
hybrid thick film technology, appls. *(German)* 2−20005
hybrid/thickfilm construction, advantages over conventional PCB for SSR and I/O converters 2−9333
I^2L, fabrication using different process conditions 2−20387
I^2L, high performance through laser recrystallised poly-Si 2−20383
I^2L flip-flops design, using new coupling techniques 2−19645
I^2L microprocessor chip, 16-bit, 1.25 μm min. geometry, electron-beam direct writing, ion implants, plasma etching 2−20388
I^2L- 10K technology from RTC, for custom-built specific ICs *(French)* 2−14978
IBM multilayer internal conductor ceramic mounts *(German)* 2−24817
IC capacitive press. transducer with high sensitivity 2−22237
IC capacitors, using III-V substrates 2−25320
IC layout using Hewlett-Packards desk top computer, 9845C 2−5770
IC materials, evaluation of critical surface cleanliness by SIMS 2−14795
IC packages, water vapour content meas. using derivative IR diode laser spectroscopy 2−14938
innovative integrated circuits *(French)* 2−14925
instrument for selective modification of planar circuits 2−1406
insulated metal substrate technology, for electroless Ni resistors 2−24735
interferometric alignment techniques for multiple mask registration 2−25299
interlevel reliability improvement 2−20289
ion beam lithography, liquid metal ion source operation in optical column, performance anal. 2−20316
ion beam lithography, summary of progress, applications to IC manufacture 2−5662
ion beam lithography 2−25109
ion beam lithography for submicron microfabrication, H_2^+ field ionization source, energy spreading 2−20319
ion implantation in microelectronics, bibliography 2−23878
ion projection microlithography, submicron device fabrication, metal mask foil 2−20317
ion-beam pattern profiles, simulation 2−1311
ion-beam sensitivity of polymer resists, submicron resolution, appls. 2−20327
Josephson edge-junction devices using E-beam lithography 2−9921
laboratory courses in IC fabrication combining video tape and hands-on-experience 2−8172
laboratory facilities for research and education at Case Western Reserve University, USA 2−8180
laser annealing, pulsed and CW, of polysilicon films 2−14771
laser annealing applications in Si device fabrication 2−5664
laser beam wafer processing for hybrid and monolithic IC technology 2−15595
laser CW annealing of polysilicon films, SiO_2, Si_3N_4 substrate material effect 2−5690
laser photochemistry at surfaces for microelectronic appls. 2−1318
laser processing, semiconductor device appls. 2−14750
laser processing applications in Si microelectronics technology 2−9542
laser processing research at Texas A&M University 2−9543
laser stripe cutting system for IC debugging 2−5795
leadless chip carrier, attachment methods 2−19004
leadless chip carriers for hybrid ICs 2−14539
leadless chip carriers for IC packaging 2−91
lift-off technology, single layer 2−20288
light current electrical applications, TEC syllabus textbook 2−23918
lightly doped drain FET devices, fabrication using preferential etching 2−5816
liquid cooled IC, packaging improvement 2−24000
lithographic strategies for the 1980s 2−9713
lithography, X-ray, UV and e-beam dosimetry, use of radiation sensitive films 2−20324
LSI, CC $GeSe_2/Ag_2Se$ resist. appl., submicron line resolution 2−20328
LSI, conformal dry-etch for microlithographic SiO_2 pattern transfer, submicron struct. appl. 2−20332
LSI, custom design using universal logic gates 2−14932
LSI, direct selective ion implantation of wafers using 100-kV ion probe system 2−20315

integrated circuit technology continued
LSI, EB55 precision electron beam exposure system, direct writing of submicron patterns, variably-shaped beam 2−20297
LSI, electron-beam array lithography with submicron smallest features and high throughput of wafers 2−20300
LSI, etching of submicron lines in Al metallisation, Plasma Inline 702 wafer reactor, automatic system 2−20350
LSI, integrated design aids system 2−14931
LSI, ion implanted resistors, resistance temp. coeff. control 2−5777
LSI, memory and microprocessor circuits development *(Italian)* 2−5254
LSI, negative electron/X-ray resist., poly(alkyl methacrylate)-co-(2-hydroxyethyl methacrylate) 2−20325
LSI, PMMA etch resistance under various reactive ion etch conditions, submicron structs. 2−20333
LSI CAD, Caltech's Silicon Structures Project 2−9719
LSI ccts., using saturated transistor capacitor technique 2−20389
LSI circuit layout, topological fragments on crystal arrangement algorithms *(German)* 2−9710
LSI development and manufacturing *(German)* 2−14917
LSI elements of submicron size, electron beam lithography appl. 2−1423
LSI function delineation by plasma etching, use on bipolar and memory ccts. 2−1408
LSI ion beam lithography, $GeSe_2$ film resists, oblique deposition, chem. reactivity and lithographic sensitivity 2−20329
LSI ion-beam lithography, plasma-developed ion-implanted resists with submicron resolution, etch mask appls. 2−20331
LSI logic circuits, custom manufacture using LSI 2−14929
LSI masterslice layout, number of horizontal tracks 2−9709
LSI mats, diagram transformation improvement *(Hungarian)* 2−5773
LSI nanolithography using electron-beam system, resist exposure, computer control 2−20298
LSI photolithography, two-level resist technology, recent developments, PMMA 2−20334
LSI stress, introduced by plastic packages, measurements with integrated strain gauges 2−14940
LSI technology, lithographic methods development, electron and X-ray-sensitive resists 2−1424
mask generation language, description and appl. including ICs 2−5759
maskless ion implantation, mass-separating focused B and As ion-beam system 2−20188
masks, alignment and exposure system, improved facilities 2−5792
measurement technology, conf., San Jose, CA, USA (March 1981) 2−14946
metallisation, electromigration failure model, Monte Carlo calcs. 2−14809
metallisation of semiconductor devices, conf., Murray Hill, NJ, USA (June 1981) 2−5778
MIC fabrication, Au selective electroplating, elimination of photoresist degradation, beam-lead devices 2−9228
microcomputer controlled step-and-repeat camera for undergraduate laboratory use 2−9717
microelectronic ccts. and electromechanical components testing and prod., sensor developments *(German)* 2−26830
microelectronic packaging and interconnection, future trends 2−13289
microelectronic technology, presensitized thick-film screens, in-house exposure 2−24824
Microelectronics Center of North Carolina, educational and research program in computer science and ICs 2−8175
microelectronics laboratory course using videotapes to increase flexibility and individualisation 2−8171
microelectronics process engineering curriculum at University of New Mexico 2−8177
microelectronics processing facilities, survey of Federal Government laboratories and installations in USA 2−8244
microelectronics symposium, Starkville, MS, USA (May 1981) 2−8154
microelectronics technology, progress from materials to circuits 2−1048
microfabrication technology, electron-beam exposure system, pattern generator, defl. amplifer 2−20305
microlithography, appl. of zone plates to alignment 2−25301
micromeasurement system for submicron geometries, fully automated, IC appls. 2−3057
micromechanical accelerometer integrated with MOS detect. circuitry 2−22233
microprocessor interface techniques 2−19724
microsocket solder joints, anal. of thermal cycle fatigue damage 2−24852
MIL-M-38510 finishes for microelectronic components 2−24790
military appls., improvements in density, speed, and power dissipation 2−9680
MNOS nonvolatile memory technology at Sandia National Labs., USA, EAROM, RAM and EEPROM appls. 2−15035
module pin repair technique 2−5776
monolithic, radiation hardening, α-particle shield using cured latex emulsion between chip and substrate 2−25286
monolithic ICs, future device technologies, overview 2−20382
monolithic RAM/high-performance logic IC fabrication, custom patterning on masterslice using electron beam lithography, IBM computer appls. 2−14045
MOS, self aligned polysilicon oxidation, double source-drain ion implantation technique for VLSI 2−25359
MOS and bipolar device diffusion source, appl. of ion implanted layer 2−5801
MOS dynamic RAM, buried oxide, experimental study 2−1451
MOS fabrication using laser beam recrystallised polycrystalline Si films 2−20066
MOS IC technology, atmospheric-pressure CVD system for deposition of SiO_2 and P_2O_5-SiO_2 glass films 2−13843
MOS IC technology, Si MOSFET fabrication using neutron transmutation doped Si as semi-insulating substrate 2−20424
MOS ICs, logic simulation based on information from masks 2−25362
MOS ionisation dosimetry device fabrication and testing 2−17434
MOS logic ICs, low voltage high performance, fabrication technique 2−14991
MOS LSI, plastic encapsulated Cu lead frame-epoxy die attach packaging system, reliability study 2−13293
MOS LSI fabrication, appl. of electron beam exposure direct writing system 2−20401
MOS LSI memory fabrication using direct write electron beam lithography 2−20419
MOS LSI technology, 1 μm Mo gate with MNOS and Si_3N_4+CVD SiO_2 passivation struct. 2−20418
MOS LSI technology, 256K RAM development *(Japanese)* 2−25346
integrated circuit technology continued
MOS static RAM, 4 K-bit, electron-beam direct slice writing and dry etch process, VLSI MOS device technology 2−20403
MOS technology, high press. oxidation of Si by pyrogenic or pumped water techniques 2−20411
n-MOS VLSI, electron-beam direct writing technology, overlay and linewidth accuracies 2−20406
MOS VLSI, micron- or submicron-range, thin gate insulator technology 2−20420
MOS VLSI, technology and design challenges 2−15036
MOS VLSI, thin gate insulator process, high-press. low-temp. oxidation technique 2−20421
MOS VLSI, totally silicided conductors, transmission line models, contact resist. calc. 2−20428
MOS VLSI fabrication, electron beam direct writing technology for micron and sub-micron struct. 2−20412
MOSFET/bipolar combination on single chip for improved power speed performance 2−1400
MOST, dependence of avalanche-induced minority current on multiplication factor 2−20267
MSI/LSI mask making system, step and repeat camera controlled by minicomputer 2−9718
multi-layer 2 mil line technology for VLSI and very high speed logic devices 2−1402
multichip carrier assembly, portable 2−5502
multilayer metallization IC substrate system, Au-Cu-Cr struct. 2−1404
multilayer resist technique, lift-off of thick metal layers 2−25318
multilevel resist for lithography below 100 nm 2−9688
n-channel MOS technology, high-pressure oxidation fabrication process 2−25361
n-p-n transistors fabrication, with non-critical mask registrations 2−5804
negative electron resist profiles, effect of extra doses at pattern edges 2−25305
negative resist for 1 micron MOS process, chloromethylated polystyrene CMS *(Japanese)* 2−25110
NMOS, 12 bit array multiplier-accumulator, for digital signal processing 2−14090
NMOS FET structure for submicron level VLSI, minimization of channel hot-electron injection 2−20416
NMOS ICs for telecommunication equipment, technical problems of analogue blocks *(Hungarian)* 2−14995
NMOS logic LSI fabrication, 2 micron, PARCOR CODEC appl. *(Japanese)* 2−25347
NMOS process, submicron transistor fabrication, radiation effects of electron-beam lithography 2−15010
NMOS submicrometre device fabrication using masked ion-beam lithography 2−20407
NMOS technology, anisotropic/selective reactive ion etching of poly-Si using SF_6 2−20408
NMOS VLSI, hierarchical design supported by integrated CAD-system 2−15037
NMOS VLSI process for fabrication of 32-bit CPU chip 2−14148
optical projection lithography, implications of EM field theory 2−20162
packaging, chip heat spreader embedded in thermal grease, heat conduction to module encapsulant 2−96
packaging, mixed IC technology, stacked module approach, ceramic substrate, advantages 2−24818
packaging and interconnection of new generation of ICs 2−14893
packaging technology for electronic analogue watches, flip-chip technique using PCB substrate 2−20008
particle beam technology, conf., Dallas, TX, USA (May 1981) 2−18851
passivation of ICs, using chemical vapour deposition 2−8831
passivation of semiconductor structural elements, secondary, epoxy compounds and silicones suitability comparison *(German)* 2−14779
pattern recognition technique using sequences of marks for registration in electron beam lithography 2−25302
Pd contact metallurgical processes, for double polysilicon memories 2−5703
photoetch process, metallized ceramic substrate, chrome artwork mask 2−20285
photolithographic equipment selection for IC fabrication, current and future trends 2−9715
photolithography, phase conjugation appls. 2−10361
photomasks, fine IC pattern making 2−1415
photoresists exposure using optical technique 2−25287
PIQ, polyimide type polymer, characterisation and appl. to semiconductor devices 2−9546
planar MIC technology, design and meas. techniques, problems *(German)* 2−947
planar quartz deposition, decoration of micro-pits 2−20290
planar submicroscopic metal pattern replication with visible light, contact imaging methods 2−20170
plasma developable resist compositions, total dry microfabrication in submicron lithography 2−20326
plasma developable resists, by development of submicron lithography 2−1272
plasma etching, end-point detection, opt. methods 2−9581
plasma etching, end-point detection with laser interferometry 2−14791
plasma etching device for 64K RAM 2−5781
plasma-developed X-ray photoresists using organosilicon monomers, design problems 2−20293
plastic encapsulated ICs, reliability tests and internal stresses 2−14941
plastic IC packages, determ. of mech. strains and their effect on devices during environmental tests 2−14939
PMOS technology, 512 bit mask PROM fabrication *(Korean)* 2−14117
PMOS VLSI design course with an NMOS text 2−9746
polyimide coatings of IC appls. 2−9545
polyimide film, laser processing 2−14751
polyimide used in dual metal layer process, via openings, IC appls. 2−9544
polymer materials, appls. for integrated ccts. *(Japanese)* 2−20335
polymeric resist materials, recent developments 2−1274
polyuse, linear bipolar semicustom IC *(French)* 2−14977
positive electron resists, novolac resins as active ingredients 1/2 μm pattern resolution capability 2−20309
positive photoresist development characterisation 2−9536
precision electron beam exposure system-EB 55 LSIs with 0.5 micron patterns appl. *(Japanese)* 2−25111
pressure sensor, SENSIM simulation program 2−22235
process modeling of integrated circuit device technology, CAD, review 2−5786

integrated circuit technology continued
process modelling with simulation program SAMPLE 2−9720
processing, microelectronic test structures for characterisation and control 2−14954
processing techniques 2−14901
production technology in electron beam lithography, plasma etchers, and isothermal annealers 2−4652
projection lithography using positive resist., optical requirements 2−1276
projection photolithography for IC fabrication, ideal system, multilevel resist. approach 2−20369
projection photolithography for microelectronic component prod. *(Czech)* 2−1413
projection photolithography-liftoff techniques for production of 0.2-μm metal patterns 2−9919
proximity effect correction using a dose compensation curve 2−25308
quartz, ion beam etching techniques to overcome nonuniformity 2−20286
quick turnaround processing 2−5476
RAM, double polysilicon, lightly doped drain SiO_2 spacer formation controllability improvement 2−5819
RD3D, computer simulation of resist development in 3D 2−20163
reactive ion etching in microcircuit fabrication 2−14923
reactive ion etching used for VLSI RAMs 2−20339
reactive sputter etching, plasma diagnosis by mass spectrometer, etching of Al, SiO_2 and photoresist 2−14793
read-only storage array cell having late personalization using poly-Si resistor 2−25355
resist technology, methyl α-trifluoromethylacrylate radiation-sensitive polymer 2−5775
resists, etching by UV light 2−9576
review, history and development 2−14919
selective plating and etching using resistive heating for metal lines on chips 2−1302
self-aligned silicide conductors in FET integrated circuits 2−15007
semiconductor chip internal stress level monitoring using strain-gauge technique, quartz layer damage 2−1409
semiconductor logic technology in IBM, review 2−19625
semiconductor manufacturing in IBM, review 2−20218
semiconductor parametric testing 2−14950
semiconductor technology, developments 2−5758
semiconductor wafer, chip site in-process inspection, scanning electron beam system 2−1410
shadowing techniques for fabrication of structs. in 100 Å linewidth regime, use of reaction ion etch and X-ray lithog. 2−20294
single-step lift-off process evaluation using SEM response surface anal. 2−20370
SIPOS-Si structure fabrication, washed emitter method 2−1459
SLIM−the translation of symbolic layouts into mask data 2−20342
small area Josephson tunnel junctions, high resolution techniques for fabrication 2−9920
small geometry depleted base bipolar transistors on bipolar static induction transistors 2−9629
solar cells, HV multijunction concentrator, fabrication by IC technology 2−18578
solder paste process of hybrid circuits 2−1070
solid-state circuits conference, Freiburg, Germany (Sept. 1981) 2−18869
SOS strain gauge for high temp. appl., feasibility study 2−22266
SOS technology developments, international survey *(German)* 2−5822
SOS VLSI feasibility study, capacitance anal. in downward scaling, thin film quality improvement 2−20427
spot overlap in a variably shaped spot electron-beam exposure tool 2−1405
STIC technology, monolithic approach for combining Ta and Si technologies 2−25293
submicron lithography, recent developments using electron beams and X-rays 2−25121
Submicron Structures Laboratory operation of Massachusetts Institute of Technology 2−9716
surface contaminant damage 2−14967
surface mounted component substrates, VLSI device packages and surface attachment methods 2−19932
symbolic layout compaction, CABBAGE system 2−25329
technology, present state and future development 2−19996
thermal compression bonding of Au leads on thin film circuits, Au surface anomalies 2−5481
thick film, screening and heat treatment of resistors and capacitors *(German)* 2−24834
thick film ccts., laser trimming process optimization for speed rel. to power and freq. 2−14534
thick film circuit fabrication by electrostatic deposition 2−14533
thick film circuits, Cu materials system, status report 2−19993
thick film hybrids, solder attachment of leaded components 2−24851
thick film MICs, low-loss strip resonators in L- and X-band, Du Pont/USA/Cu composition appl. 2−19997
thick film resistor networks, using metal glaze resistive material 2−5486
thick film resistors, laser trimming, high speed, effect on accuracy and stability of resistors 2−19995
thin film deposition technologies, for monolithic ICs 2−24323
thin film ICs to ceramic chip carriers using solder post attachment 2−24850
thyristor crosspoint rate-effect sensitivity reduction by using additional gate-cathode capacitor 2−5740
ultrasonic Al wire bonding to thick film Cu conductors 2−9342
uncommitted gate arrays, for custom made ICs *(German)* 2−5188
uncommitted logic arrays, fabrication methods and applications 2−9073
university and industrial cooperation for VLSI, Hewlett-Packards University funding projects 2−5772
UV hardening of photo- and electron-beam resist patterns, reduction of image flow during reactive ion etch 2−20313
UV lithography, newly developed photoresists 2−5791
UV-hardening of resist patterns for microcircuit fabrication 2−14524
VHSIC, design, architecture, software and testing, overview 2−14916
VHSIC *(German)* 2−20348
VHSIC phase III program in US Army 2−8207
VHSIC program, impact on industry 2−8155
VHSIC program, university, government and industrial participation 2−8210
VHSIC technology utilisation in future spacecraft systems 2−11985
VLSI, advances in IC-manufacturing technology 2−1414
VLSI, biotechnical process for micropatterning of metal using electron resist/protein composite 2−20376
integrated circuit technology continued
VLSI, comparison of new technologies, possibilities and limitations 2−14926
VLSI, electron image projector for exposure of 4 in. wafers, design, performance 2−20303
VLSI, highly automated semi custom design approach 2−20365
VLSI, in line management and fabrication methods necessary for high volume production 2−14928
VLSI, manufacturing trends and component developments *(German)* 2−20278
VLSI, merged single device well MOSFETs 2−15024
VLSI, multilevel metallization technology, high yield process 2−20375
VLSI, physical limitations of integration and size reduction 2−14934
VLSI, refractory metal silicides appl. 2−5821
VLSI, semi-custom IC fabrication for digital systems 2−14930
VLSI, technical and economical limits *(German)* 2−20345
VLSI, three dimensional chips 2−20357
VLSI circuit design and construction course summary *(Swedish)* 2−20280
VLSI circuit mask production techniques and machines used *(Swedish)* 2−25283
VLSI circuits, design aids, Advanced Study Institute, Urbino, Italy, 21 July-1 August 1980 2−23897
VLSI circuits, herarchical CAD system 2−9721
VLSI circuits CAD layout and design techniques *(Swedish)* 2−25282
VLSI contacts, use of Si_3N_4 and TiN 2−14912
VLSI design, OASIS, automatic design tool for symbolic layout of circuits 2−14965
VLSI design methodology, role of CAD tools 2−20364
VLSI design methods, impact of testing 2−14966
VLSI design strategies and tools 2−5767
VLSI electron-beam lithography, multibeam scheme for increased throughput 2−20302
VLSI fabrication, 10 to 1 step-and-repeat projection printer, resolution and overlay precision 2−20367
VLSI fabrication, review of multilayer resist systems for lithography 2−5790
VLSI fabrication, second generation step-and-repeat aligner 2−1420
VLSI fabrication technology, reactive ion beam etching 2−20373
VLSI fabrication using IGFET process technology, optimum silicide systems as gate electrode/interconnect 2−20423
VLSI fabrication using short-channel MOSFETs asymmetric device effects, appl. to NMOS Si-gate technology 2−20414
VLSI fine-feature fabrication, photoresist pretreatment in N_2 plasma to improve props. by reduction of flow during postbake 2−20312
VLSI LOCOS technology, local oxidation of Si, two-dimens. process modelling 2−20377
VLSI manufacture, lithographic methods, linewidths, scaling-down laws *(German)* 2−20346
VLSI mask fabrication, ion beam exposure system 2−20371
VLSI metallisation, problems and trends 2−5779
VLSI multilevel interconnect systems, review 2−9591
VLSI pattern generation, high-current variable-shaped electron beam forming, space charge effect 2−20307
VLSI processing technology, laser-photochemical techniques, appls. 2−20374
VLSI processor architecture and design strategies 2−14173
VLSI production, by new Hewlett Packard electron beam lithography system 2−9528
VLSI production, planar plasma etching of Al alloys in CCl_4 2−14920
VLSI production process, limits in function density *(German)* 2−14892
VLSI reticle/wafer electron-beam array lithography stitching expts., examination 2−20301
VLSI structured design using gate arrays 2−14963
VLSI technologies, packaging methods 2−1401
VLSI technology, conf., Maui, HI, USA (Sept. 1981) 2−18870
VLSI technology, electron beam and optical stepper lithography, hybrid combination, IC and mask manufacture 2−9539
VLSI technology, ion-assisted plasma etching of SiO_x in multifacet system 2−20351
VLSI technology, optical projection lithography, status in 1981 and trends for decade 2−20366
VLSI technology, reactive ion etching of poly-Si and Al films, dry development of photoresists, dry cleaning of substrate 2−20372
VLSI technology, recessed oxide isolation processing, dry-wet etch hybrid technique for trench formation 2−1407
VLSI technology and computer design problems 2−14171
VLSI technology in 1980s, improvement factors and limitations *(Italian)* 2−14170
VLSI/LSI circuit pattern element size meas., optical methods 2−1425
VLSI/LSI lithography, etching, ion implantation, improvements 2−1398
wafer anisotropic dry etching techniques, ion bombardment processes 2−14792
wafer exposure equipment, contact and projection printers and DSW systems 2−9527
wafer ion-implantation systems, development, PR-30 machine for Bell System 2−25151
wafer retarding mechanism for reduction of breakages and chipping 2−20164
X-ray lithography, computer simulations of resist profiles 2−25306
X-ray lithography, evaluation of pattern registration accuracy 2−9708
X-ray lithography, high-brightness sources, prospects 2−20292
X-ray lithography, high-power exposure system for evaluation of resist processes, mask substrates and alignment 2−20321
X-ray lithography, submicron, do, fabrication 2−20322
X-ray lithography, submicron, high-power source, 13.3 Å wavelength, high-resolution mask exposure 2−20320
X-ray lithography, wide-range alignment system 2−25300
X-ray lithography exposure machines, viewpoint on development, Si IC manufacture 2−5789
X-ray lithography system at Bell Laboratories for IC development and manuf. 2−9712
X-ray replication system for submicron lithography *(French)* 2−25123
XR-400 Master-Chip, semi-custom I^2L IC 2−14976
Ag coated glass spheres for thick film electronic circuits 2−13849
Al alloy metallization for IC 2−14806
Al based IC metallisations, O conc. detection by resist. meas. 2−5706
Al metallisation, reactive plasma etching 2−9592
Al metallisation corrosion in plastic encapsulated ICs, accel. by CF_4-O_2 plasma in presence of die attach epoxies 2−14942
Al submicron e-beam patterning using double-layer pattern transfer technique 2−25319

integrated circuit technology continued
Al/AL-O layered film, integrated circuit appl., surface topography, O content depend. 2−1323
Al-alloy films, metallisation, electromigration testing 2−9590
Al-Cu metallisation, increase in current carrying capability using pre-deposited Cr-Cr_2O_3 cermet underlay 2−14811
Al_2O_3 sputtered films, lift-off pattern generation 2−24823
Au, savings on materials used in electronics technology for telecommunications *(Japanese)* 2−13852
CMOS/SOS VLSI, sub-μm transistor gate, electron-beam/optical hybrid lithog. 2−20405
CrSiO cermet resistors, on ceramic substrates 2−24828
Cu thick film circuits, surface treatment and bondability 2−24835
GaAS unity-gain differential amplifier, test vehicle for IC technology 2−19578
GaAs bipolar IC technology development 2−14987
GaAs high speed IC technology *(French)* 2−14988
GaAs IC fabrication, ion implantation and processing schedules 2−25364
GaAs, IC fabrication, selective epitaxy and electron beam lithography 2−5823
GaAs integrated circuit technology, future trends 2−14993
GaAs ion-implanted enhancement/depletion-type MESFET IC technology 2−20397
GaAs logic ICs, review and exemplification *(Japanese)* 2−19633
GaAs MESFET, ion implanted, threshold voltages 2−25343
GaAs microwave power FET device and circuit technologies, advances, CAD 2−24706
GaAs monolithic ICs, material props., epitaxial crystal growth, ion implantation, metallization *(German)* 2−20347
GaAs monolithic ICs, review *(Czech)* 2−15017
GaAs Schottky diode FET logic ICs, special considerations in probing and packaging 2−25365
GaAs VLSI for high speed, high density appls. 2−20410
MoS_2:P films for LSI appls. 2−14914
$MoSi_2$ MOS structures, edge defined patterning 2−9733
NaCl electron resists, crystal etching at 2 nm size scale, vaporisation using electron beam 2−20310
PdO etching process, without damage to semiconductor structures 2−5694
Si capacitive pressure transducer with low temp. sensitivity, batch fabricated 2−22236
Si, double-poly, MOSFET devices, Z 2−25360
Si Hall-effect power ICs for brushless motors 2−20386
Si magnetic-field-sensitive multicollector n-p-n transistors 2−20236
Si, model of impurity diffusion from oxide source 2−5684
poly-Si on SiO_2, laser recrystallised for high performance resistors 2−9242
Si, poly, CVD, ability to deposit nearly inaccessible areas of IC topology 2−14913
Si, semiconductor device processing, book contrib. 2−1277
Si thermopile IR detector, batch fabricated 2−22271
Si transfer layers for multilayer resist systems 2−25317
Si-on-insulator approaches to VLSI 2−25363
Si_3N_4 and cured polyimide stripping for failure anal. using plasma etch process 2−20287
SiO_2 layers, CVD by photochemical combustion of SiH_4 and O_2 below 100°C 2−19451
SiO_2 on Si, reactive ion beam etching using fluorocarbon ions 2−15014
Si(110) anisotropic etching and shadowing techniques for fabrication of X-ray masks 2−25298
Ta_2N thin film resistors, using laser-machining techniques 2−24827
Ti, evaporation from W refractory metal boat, service life improvement 2−597
Ti-Cu-Ti metallization, self-aligned via-less interconnection scheme for semiconductor chips, laser-induced connection 2−25285
WSi_2 interconnection for VLSI circuits 2−15020

integrated circuit testing
16 bit serial/parallel multiplier, with self-testing circuits *(French)* 2−14077
16 pin IC test device, using oscilloscope to display pin potentials *(German)* 2−22303
16K RAM dynamic memory array card burn in and high speed functional card testing 2−19693
64K dynamic RAM reliability, test procedures 2−14121
A/D and D/A converters, 12- to 18-bit, NBS calibration service, design, measurement and operation 2−19743
A/D and D/A convertors automatic testing using 18-bit precision DC measurement system 2−19742
active probe for MOS, TTL logic cct. testing *(German)* 2−5209
analogue ATE 2−22085
analysers for digital circuits, review 2−22053
ATE proposal for industrial production *(Italian)* 2−22046
automated testing for electronics manufacturing, conf., Boston, MA, USA, (June 1981) 2−8146
automatic logic circuit testing methods development *(Italian)* 2−5170
automatic test pattern generation, functional level digital fault simulation 2−1437
automatic test pattern generation 2−25327
automatic testing of IC *(Swedish)* 2−25281
autonomous testing of CMOS circuits 2−9050
auxiliary test buffer unit for large memory characterisation data management 2−22110
BELLMAC-32: a testable 32-bit microprocessor 2−19725
binary decision diagrams appl., test generation and analysis 2−24500
bipolar IC subcollector/isolation spacing, nondestructive misalignment characterization by meas. of subcollector capacitance 2−1447
bipolar LSI device input states specifications for latchup testing 2−14973
bipolar LSI devices, latch-up anal. procedure 2−14971
bipolar VLSI masterslice chip, off chip communication and testing 2−20392
burn-in and ageing systems for semicond. devices 2−16822
C-CD virtual phase imager, radiation effects 2−14998
ceramic chip carriers, reflow attachment and reliability testing 2−5797
CMOS, testability superiority over other IC circuits, test methods 2−20429
CMOS 7541 D/A converter, hot spots detected using cholesteric liquid crystals 2−14943
CMOS RAM, soft error susceptibility, depend. on power supply voltage 2−14108
CMOS/SOS memory, exposure dose rate depend. 2−14111

integrated circuit testing continued
CMOS/SOS RAMs, fault tolerant, associative iterative circuit control 2−19679
codec-filter chips testing 2−5760
Columbia 2000, LSI ATE, description and application 2−16785
condensation thermography technique for short circuit location and surface temp. determ. in semiconductor die 2−9598
custom IC devices test planning 2−18986
custon ICs, testing and debugging 2−20277
D/A convertor exerciser 2−5325
D/A convertor settling time testing in production environment using ATE 2−22108
D/A convertor testing using Burr Brown's DAC 74 as reference standard 2−9117
defect detect. of epitaxial structures due to buried layer, laser scan method 2−9707
defect localisation by logic-state representation in SEM 2−24474
design for testability 2−25326
devices without gate-level descriptions, test generation technique 2−1439
digital, LSI, MSI and SSI configurations, generation and optimisation of test series in man-machine dialogue *(German)* 2−5179
digital, self-test method, features and implementation 2−19610
digital avionics systems self-contained testing, parametric relationships 2−22662
digital electronics handbook 2−8139
digital IC, defect location and detection, by marginal voltage meas. 2−14983
digital LSI, ATE, fault detection and isolation in board systems 2−11351
digital network testability measure calculus at the functional level 2−19650
digital systems testing, review 2−5787
dimensional metrology, 1981 status *(French)* 2−25321
dynamic RAM, 16 and 64K, portable tester 2−26803
dynamic RAM, 64K, yield improvement with laser programmed redundancy 2−24528
dynamic RAM functionality, 64K and 16K types, simple tester 2−14101
dynamic RAMs, 16k and 64k, Hitachi reliability studies 2−9095
ECL, board testing methods 2−19617
ECL loaded boards in-circuit testing 2−9288
electrical DC parametric testing in semiconductor industry 2−5757
embedded arrays self-assist testing 2−19727
embedded memory testing, algorithmic and other signal multiplexing 2−16781
EPROM tester 2−14093
EPROM tester to find erased devices 2−5222
F-8 microprocessor, transition radiation effects evaluation 2−14153
FET amplifiers, bias current measurement 2−19556
FET VLSI, automatic test pattern generation 2−1462
FET wafers, non-charging electron beam pulse prober 2−15018
free running signature analysis 2−14134
Gen-Rad testing techniques and apparatus *(Italian)* 2−22059
GenRad automatic IC testing systems *(Italian)* 2−22047
hardware structure for testing ICs and PC cards using K1510 microcomputer *(German)* 2−11356
high resolution thermal mapping of microcircuits using nematic liquid crystals 2−14521
high speed bipolar memories 2−24512
highly accelerated temperature and humidity stress test technique 2−14937
hot spot detection, using cholesteric liquid crystals 2−14943
hybrid, thin-film, throughplatings testing and reliability *(German)* 2−9334
hybrid circuit encapsulants, moisture protection screening test 2−24847
hybrid IC packages, weld and solder seam nonuniformity detect. using holographic matched filtering and electronic processing 2−14535
hybrid ICs, microscopic leak testing during production 2−20006
hybrid microcircuit substrate-to-package thermal adhesive bonds, nondestructive IR inspection 2−1076
I^2L transistor circuits ILSIM simulation and test program *(German)* 2−24497
IBM's VLSI logic test system, test requirements, objectives and system specification and architecture 2−22111
imbedded memory arrays, functional testing, ATE 2−16841
industrial, methods *(German)* 2−71
inspection using spring probes 2−13299
integrated CPU's data processing sections analytical testing, M6800 microprocessor appl. 2−19726
interactive test pattern generation, possible tools *(French)* 2−14933
intermittent faults detection 2−1444
J941 VLSI test system 2−11341
JFET thick film hybrid IC for severe temp. and radiation environments 2−9337
KFT 8080 microprocessor, testing with ICOMAT-110 *(Hungarian)* 2−26735
LASAR software enhancement for LSI PC testing 2−22056
laser stripe cutting system for IC debugging 2−5795
layout testing, semi- and fully-automatic techniques *(German)* 2−18981
light sensitive marginal voltage technique for the location of defects in digital microcircuits 2−1427
light sensitive marginal voltage technique for the location of defects in digital microcircuits 2−19052
linear, using digital computer-controlled test system 2−5798
linear ICs, ATE 2−11338
lithographic mask inspection *(Japanese)* 2−23982
logic functional level simulation in FANSIM3 2−1436
logic testing defective chips and multi-chip modules fault diagnosis in an LSSD environment 2−19611
logical efficiency estimation for combinatorial circuits 2−24472
LSI boards, combination of in-circuit and functional methods 2−22055
LSI chips, reject rate forecasting 2−8257
LSI circuit board testing using computer-guided probing system 2−22107
LSI custom digital circuits, testing methods and equipment 2−14964
LSI defect level, relation to yield and stuck-at-fault coverage 2−20282
LSI failure diagnosis, incorporation of diagnostic hardware into chip 2−20284
LSI logic testing technique based on small testable building blocks 2−9081
LSI PLA, automatic test generation 2−1438
LSI stress, introduced by plastic packages, measurements with integrated strain gauges 2−14940
LSI test program, reclaim-oriented binning strategy implementation 2−5799

integrated circuit testing continued
LSI/VLSI, radiation hardened, test strategy 2−14906
LSI/VLSI components testing program development, evaluation/production test appl. 2−20378
maximised level sensitive scan design testing of IC chips 2−14067
memories, two-pass array test method for addressing ccts. and storage cells 2−808
memories and LSI test quality and efficiency optimising system 2−19689
memory boards, guided probe-based diagnostic technique 2−9092
memory ICs, margin of reliability test employing operating terminals 2−5227
memory output level, access time testing, using flip-flop ICs *(Italian)* 2−19662
memory test pattern considering Hamming distance between addresses 2−14924
metal-Si_3N_4-Mo-oxide-semiconductor, electrically alterable ROM, memory retention life at various tests 2−15028
microcircuits, methods *(German)* 2−14523
microcomputer based, acceptance testing of electronic components *(Spanish)* 2−122
microelectronic and electromechanical component testing using sensors *(Dutch)* 2−19022
microelectronic ccts. and electromechanical components testing and prod., sensor developments *(German)* 2−26830
microprocessor based equipment, test strategy 2−8258
microprocessor boards testing techniques review 2−5259
microprocessor chips, diagnostic test clip and apparatus 2−19716
microprocessor testing philosophy using partitioning 2−9113
microprocessor-based circuit boards high speed functional testing 2−22106
microprocessors, 8080 series, debugging using standard laboratory instruments 2−5244
microprocessors and logic devices, cosmic ray induced errors 2−14151
microsocket solder joints, anal. of thermal cycle fatigue damage 2−24852
Millenium Systems 9500 series microprocessor development system *(German)* 2−16784
MIS LSI, method *(Russian)* 2−9738
MNOS LSI memory testing, physical approach 2−1457
MNOS memories, accelerated testing of time related parameters 2−15029
MNOS non-volatile memory, temperature accelerated estimation of reliability 2−15025
monolithic IC reliability and quality assurance, testing during life cycle, mass production aspects *(Japanese)* 2−8314
monolithic ICs, compare-equal checking of outputs of pairs of identical chips for reliability improvement 2−14909
MOS, new technique for input protection testing against electrostatic damage 2−15033
MOS, procedure for testing electrostatic discharge susceptibility 2−15031
MOS, time-zero dielectric reliability test by a ramp method 2−15032
MOS 16 channel analogue signal multiplexer, design and testing 2−9750
MOS digital LSI ccts., stroboscopic SEM with travelling blanking pulse 2−25340
MOS ionisation dosimetry device fabrication and testing 2−17434
MOS LSI, plastic encapsulated Cu lead frame-epoxy die attach packaging system, reliability study 2−13293
MOSFET, method *(German)* 2−14994
MOST, test conditions effects on radiation-hardness results 2−14861
MPU-based system testing, review of strategies 2−5763
MSI cct. test generation *(German)* 2−11358
MSI devices, single-event upset study 2−14059
multichannel pseudo-random sequence generator for IC testing *(Russian)* 2−22289
multilayer ceramic substrates fabrication, electrical test method 2−18978
NMOS dynamic RAM in plastic packages, reliability evaluation in high humidity and temp. environments 2−25356
NMOS microprocessors Z80A and Z8002, total dose response 2−14154
NMOS RAM, voltage breakdown characteristics compared with accelerated life tests and field use data 2−15026
NMOS VLSI memories, radioactive tracer leak testing 2−15027
nondestructive using cholesteric liquid crystal surface layer *(Rumanian)* 2−20275
nuclear and space radiation effect, conf., Seattle, WA, USA (July 1981) 2−18849
optical methods, techniques and limitations *(French)* 2−20343
oscilloscope interface for alphanumeric information 2−11528
particle impact noise detection, for LSI packaging 2−25296
PCBs 'product test plan' preparation procedure 2−19985
PCBs alternative test strategies economic comparison using quality curves 2−19984
PCM filter testing, techniques and software 2−19773
photoresist film thickness meas., optical microscopy and interferometry appl. 2−24826
PLA with product term test circuit 2−14066
plastic DIPs, 16- and 40-pin, thermal characteristics 2−25294
plastic encapsulated ICs, reliability tests and internal stresses 2−14941
plastic IC packages, determ. of mech. strains and their effect on devices during environmental tests 2−14939
programmable logic arrays, completely self checking checkers 2−19651
programmable pneumatic Z motion mechanism for testing solid-state IC devices 2−18977
programmable V/I source for IC testing 2−697
PROM test programs for microcomputer systems *(Croatian)* 2−24544
quality control testing, using desktop computers 2−6999
RAM ATE calibration check using test reference module and selected test patterns 2−7009
RAM package, SEM/EDAX and optical microscopy analysis of particle impact noise detection (PIND) test failures 2−14945
RAM production testing, Megatest Q2/40 system for dynamic memories 2−22077
RAM test programs for microcomputer systems *(Croatian)* 2−24544
RAM testing for pattern sensitive faults, graph model 2−19665
RAMs, test procedure for functional faults, march tests 2−19666
receiving inspection using state of the art test equipment 2−6694
reliability, standards and economical aspects *(Italian)* 2−5762
reliability physics conf., Orlando, Florida, USA (April 1981) 2−18861
repairable RAMs and mostly-good memories, testing 2−19690
residual gas analysis, mechanism for dependence of moisture detection sensitivity on gas composition 2−17167
self testing design, w.r.t. economics 2−4679
integrated circuit testing continued
self-testing facility, MOS five detector IC, with digital and analog functions 2−14263
SEM and optical macroscope techniques combination 2−4666
SEM techniques, voltage resolution in isolated voltage contrast mode 2−11563
semiconductor memory testing diagnostics and anal. 2−19691
semiconductor memory testing economics 2−18929
semiconductor reliability testing method, pressure cooker tester using steam pressure 2−1416
speech synthesis ICs, test strategy development for functional testing 2−19759
test pattern generation system for sequential logic circuits 2−1443
test sequence reduction for large state sequential machines through parallel decomposition 2−82
testability documentation, supplier's responsibility to the user 2−20381
tester for logical plates *(Rumanian)* 2−73
thick film circuits, resistor pastes, testing of Du Pont 1400 and 1600 series rel. to cost reduction *(Polish)* 2−1067
thyristor crosspoint technique for both anode and cathode rate effect evaluation 2−4638
thyristor crosspoint test tool for both anode and cathode rate effect evaluation 2−4639
TTL 74 series, logic testing imported ICs *(Czech)* 2−14975
TTL IC logic level/pulse detector ccts. 2−14073
universal logic probe from Timothy Edwards, tri-state indication 2−19606
user design of test systems 2−16787
VHSIC, design, architecture, software and testing, overview 2−14916
VHSIC technology, role of reliability and accelerated testing 2−9722
VLSI, combined multi-corner testing with time/voltage modulation 2−22065
VLSI, tester and test technology *(Japanese)* 2−20336
VLSI circuit design and construction course summary *(Swedish)* 2−20280
VLSI design methodology for synchronous logic race and hazard elimination 2−19649
VLSI design methods, impact of testing 2−14966
VLSI dynamic RAMs electron-beam testing 2−19692
VLSI multichip modules, testing 2−5213
VLSI products, test generation, level sensitive scan design architecture 2−19608
VLSI self-testing based on syndrome techniques 2−20379
VLSI self-testing by polynomial division [VLSI testing] 2−20380
VLSI test generating programs *(Norwegian)* 2−24356
VLSI test systems overall timing accuracy anal. and definition 2−22101
VLSI testable design 2−14078
VLSI testing, conf. Philadelphia, PA, USA, October 27-29 (1981) 2−18875
VLSI testing, weighted syndrome sums approach 2−20283
VLSI/LSI devices, precision cross-sectional anal. 2−14944
VLSI/SOS circuits testing, by SEM voltage contrast technique 2−5825
voltage step testing, appl. to static and dynamic devices provides reliability information 2−14935
wafer testing equipment developments 2−1426
Zehntel Troubleshooter TS800 equipment, used for component by component testing *(Italian)* 2−22060
Cu thick film microcircuits, environmental effects 2−1063
GaAS unity-gain differential amplifier, test vehicle for IC technology 2−19578
Si wafer surface defect checking machine FLAWS *(French)* 2−11353

integrated circuits
see also digital integrated circuits; hybrid integrated circuits; large scale integration; linear integrated circuits; masks; microwave integrated circuits; monolithic integrated circuits; substrates; thick film circuits; thin film circuits
AIDS, APL integrated-circuit design system 2−24816
automation techniques appl., compensation methods for wattless measurement of signals *(German)* 2−14030
autoradiography appls. to microelectronics 2−5477
biotransistors, twenty first century micro-electronics *(French)* 2−5475
capacitance meas. by frequency-to-voltage convertor IC 2−14266
capital equipment appl. *(German)* 2−5473
car electronics, integrated microprocessor-controlled systems 2−23714
corrosion of conductors on ceramic substrates, electrochemical model 2−24820
designing solid-state circuitry for use in hazardous locations 2−18943
drive circuit, universal integrated, for LED display *(German)* 2−7156
electric machine design, impact of electronics and microelectronics *(German)* 2−18145
electro- and thermotransport effects on conductor lifetimes *(German)* 2−5794
electrostatic discharge failures, cause and prevention 2−15605
electrostatic discharge protection, review of factory control and relevance to IC manufacture 2−8299
functional microcircuit design based on distributed resistive structs. *(Russian)* 2−24819
hermetic ceramic chips carrier interconnection with printed wiring boards 2−9324
labour-material-cost balance, effect of microelectronics *(German)* 2−9325
line scan generator, integrated microcircuit *(Russian)* 2−16646
metallic finish systems for microelectronic components 2−25295
microelectronic technology, implications for Ireland in 1980s, isolated sectors 2−23885
microelectronic technology, implications for Ireland in 1980s, bibliography 2−23886
microelectronics, advanced training courses 2−13208
microelectronics, implications for Ireland in 1980s, overall assessment 2−23884
microelectronics, implications in developing countries 2−13136
microelectronics education at graduate and undergraduate level using industrial fabrication capability 2−8174
microelectronics in developing countries, overview 2−23861
microelectronics technology, progress from materials to circuits 2−1048
modules, sensor for humidity testing *(Hungarian)* 2−23995
multiple sound effects generator based on single IC 2−6954
optimisation techniques for IC design, review 2−5788
package thermal anal., rectangular parallelepiped finite element model 2−24821
reliability of Polish ICs *(Polish)* 2−14527
selective protection system for complex electrical networks using integrated circuits *(Italian)* 2−12301

integrated circuits continued
timers *(German)* 2−14247
TV camera sync failure protection IC 2−16622
VHF FM receiver, direct conversion, noise perform. 2−16344

integrated control systems *see centralised control*

integrated injection logic *see I^2L*

integrated logic circuits
see also I^2L
8A1200 gate array, for IC design, using integrated Schottky logic *(French)* 2−14979
16 bit serial/parallel multiplier, with self-testing circuits *(French)* 2−14077
74HC for CMOS logic family *(German)* 2−24480
amplifiers based on logic integrated ccts. 2−9011
automatic test pattern generation 2−25327
autonomous testing of CMOS circuits 2−9050
biasdrivers, for high-speed logic and memory circuits 2−19549
BIGFET logic array layout design using BISIC program 2−801
bipolar 2500-gate subnanosecond masterslice LSI 2−14969
bipolar ICs, VLSI, new potentials reviewed *(French)* 2−14982
bipolar masterslice logic cell with variable power/speed charact. 2−19628
bipolar VLSI masterslice chip, automated placement and wiring 2−20391
bipolar VLSI masterslice chip, density enhancement study 2−20390
bipolar VLSI masterslice chip, off chip communication and testing 2−20392
bipolar VLSI supply voltage and logic levels, potential compatibility with TTL and ECL 2−19648
CELTIC LSI logic design aids system, polycell base, automatic mask tape generation, facilities 2−5207
CMOS, Si-gate, radiation hardness, gate oxide thickness effects 2−15005
CMOS and bipolar logic, review of new versions 2−9063
CMOS gate arrays for semi-custom market 2−5812
CMOS HC series high speed gate packages 2−19616
CMOS high-speed logic family based on standard 5-μm Si-gate process, 3.5 μm self-aligning gate technology 2−24476
CMOS Si-gate uncommitted logic arrays, semi-custom design technique 2−9730
CMOS/SOS automated universal array for custom LSI devices 2−14056
combinatorial logic ccts., noise anal. of soft errors by Walsh transform 2−14063
complementary Schottky current switch, increased circuit speed compared to conventional designs 2−794
conference, Paris, France (Apr. 1981) 2−13149
connectivity and wirability in logic IC packages 2−24483
control and drive circuits, microprocessor controlled systems appl. *(German)* 2−19612
control and drive logic integrated circuits *(German)* 2−12669
current-mode switching circuits, analytical approx. for propag. delays 2−14058
custom ICs composed of unequal size logic blocks separated by routing channels, interconnection, stochastic model 2−796
custom LSI circuits, automatic layout, standard cell and automated universal array techniques 2−14962
digital and linear custom designed combined array optimised for large volume consumer appls. 2−24493
digital network testability measure calculus at the functional level 2−19650
dual differential comparator, increasing TTL square wave output 2−9069
ECL, board testing methods 2−19617
ECL, Motorola 10000 series circuits, for quartz oscillators *(French)* 2−25400
ECL encoder and decoder circuit, 4-valued logic levels 2−19646
ECL loaded boards in-circuit testing 2−9288
ECL processing, bipolar test chip with emphasis on modularity and testability 2−14985
efficiency estimation for combinatorial circuits 2−24472
electrically alterable programmable logic array for fast turnaround-time VLSI development hardware 2−14057
Fairchild advanced Schottky TTL, charact. *(Italian)* 2−9049
Fairchild Advanced Schottky TTL, large volume production by Isoplanar II process 2−19619
future trends in integrated logic 2−14052
GaAs FET logic for spacecraft 2−25341
gas flowmeter, post calibration using digital logic and memory circuits 2−3300
gate array logic 2−14053
gate array selection 2−14054
gate arrays, advances 2−5221
gate arrays, market survey, future growth *(Italian)* 2−24473
gate arrays developments *(Italian)* 2−5255
gigabit logic circuits with scaled NMOS 2−19647
grounding and interconnection layout guidelines 2−19953
hardened IC terminal modelling 2−14908
high-speed logic family 74/74 HC 2−9068
high-speed LSI logic and memories, modern bipolar technology 2−14980
HV MOS devices on logic chips 2−16973
improved I^2L for multivalued logic 2−14085
Josephson current injection logic IC, for high performance data processing 2−24492
Josephson junction high-speed low-power circuits 2−25456
Josephson logic family, MAIL, magnetically-coupled asymmetric interferometer logic 2−19643
keyboard encoder based on two integrated TTLs *(Italian)* 2−9125
level sensitive scan design compatible clock generation scheme 2−9051
liquid crystal display SM 804 universal controller, technology charact. 2−26923
logic arrays, developments 2−5758
LSI, custom design using universal logic gates 2−14932
LSI, integrated design aids system 2−14931
LSI CAD, graphical interactive logic diagram capture and editing system for register level 2−802
LSI consisting of threshold elements, adaptive electrical calcs. method 2−19636
LSI logic circuits, custom manufacture using LSI 2−14929
LSI logic testing technique based on small testable building blocks 2−9081
Macrocell logic arrays, custom design using CAD tools 2−5800
many-valued logics design 2−14084
mask artwork analysis system for bipolar integrated circuits 2−9065

integrated logic circuits continued
MESFET devices and ccts., radiation tolerance 2−14863
MOS ICs, logic simulation based on information from masks 2−25362
MOS logic ICs, low voltage high performance, fabrication technique 2−14991
MOS LSI circuit totally self-checking functions 2−1464
MOS LSI design, mixed-mode simulation in MOTIS system 2−19634
MOS technology, review of evolution and current state-of-the-art 2−15022
MOSFET VLSI interconnection delays 2−14997
Motorola's oxide-isolated ECL ICs, charact. 2−5182
MSI devices, single-event upset study 2−14059
multi-valued combinatorial circuits stuck-type fault detection 2−14087
multiple valued logic C-CD integrated circuits 2−14065
multiple valued logic circuit design using I^2L 2−5191
multivalued and multi-level combinatorial circuits, map partition method testing 2−14088
multivalued combinatorial circuits dual radix logic 2−14089
multivalued logic, technology and applications view 2−14064
NAND gates, transient electron radiation upset, temp. depend. 2−19624
NMOS, 12 bit array multiplier-accumulator, for digital signal processing 2−14090
NMOS array multiplier compact, with inverting full adders 2−5183
NMOS logic LSI fabrication, 2 micron, PARCOR CODEC appl. *(Japanese)* 2−25347
periodic waveform synthesis techniques *(Italian)* 2−5265
photoswitching units having photo-logic circuits *(German)* 2−10138
physical limitations for IC logic elements, systematic anal. 2−5211
PLA, basic concepts and programming *(German)* 2−5185
PLA, elimination of logically stuck outputs 2−9054
PLA, variable multifold 2−24490
PLA and FPLA, use of MPP-805 universal programmer *(German)* 2−5189
PLA audio spectrum analyser 2−11404
PLA with product term test circuit 2−14066
PLA with state register 2−9053
programmable array logic, appl. to audio spectrum analyser 2−16895
programmable IC technology, microcomputer appl. *(Japanese)* 2−14157
programmable logic arrays, completely self checking checkers 2−19651
PWM digital modulator, using CMOS IC, NOR gate *(Italian)* 2−19600
regulator controlled by zero voltage *(Italian)* 2−5086
review, development of MSI and LSI, comparisons between logic families 2−9070
Schottky fed logic, designed using two dimensional device simulation 2−5731
Schottky logic ccts., radiation response 2−14060
Schottky logic devices response in neutron, total dose and dose rate environments 2−14062
Schottky transistor logic arrays, Schottky barrier diode formation 2−14986
self-gating AND as long-line receiver, Josephson current injection logic 2−9074
semi-custom VLSI ccts., selection and implementation 2−25350
semiconductor logic technology in IBM, review 2−19625
semiconductors and microprocessors, SEMINEX seminar, London, England (March 1981) 2−24555
signal processing chip, design and verification 2−14968
small geometry depleted base bipolar transistors on bipolar static induction transistors 2−9629
socketable packaging for high-power LSI devices in high-speed computers 2−24003
speed indicator using IC chips *(Italian)* 2−7216
stand-alone TTL performance test circuit 2−9071
static FET chip CAD, DC design and AC anal., complex logic functions 2−5161
STL-83 uncommitted logic arrays, CAD 2−800
three-dimensional PLAs 2−5204
thyristor controlled AC loads, interfacing with digital circuits 2−5208
TTL, defect location and detection, by marginal voltage meas. 2−14983
TTL, hexadecimal decoder for seven segment display *(German)* 2−11556
TTL 74 series, logic testing imported ICs *(Czech)* 2−14975
TTL high-speed logic circuits interconnections, design recommendations 2−24501
TTL type components, macromodel formation *(Russian)* 2−9605
TTL-LS failure modes, long term thermal stability of Schottky diodes realized by PtSi-Ti/W-Al metallization 2−9084
uncommitted gate arrays, for custom made ICs *(German)* 2−5188
uncommitted logic array, 2000 gate 10 nsec, using VLSI bipolar process 2−24494
uncommitted logic array, for high bit rate transmission system terminal use 2−21681
uncommitted logic array cells, integrated design and validation system 2−5212
uncommitted logic arrays, fabrication methods and applications 2−9073
uncommitted logic arrays *(French)* 2−14055
very high speed ICs, technologies and tradeoffs 2−14915
VHSIC technology, role of reliability and accelerated testing 2−9722
VLSI, LSI, design using gate arrays, state of art, problems and solutions 2−19644
VLSI, role of test chips in coordinating logic and cct. design, and layout aids 2−9740
VLSI, semi-custom IC fabrication for digital systems 2−14930
VLSI, tester and test technology *(Japanese)* 2−20336
VLSI array design, wavefront notation tool 2−20363
VLSI design methodology for synchronous logic race and hazard elimination 2−19649
VLSI structured design using gate arrays 2−14963
VLSI testable design 2−14078
wirability of semiconductor logic chips increase 2−14068
GaAs digital ICs for appl. above 1 GHz *(French)* 2−14046
GaAs FET logic IC technology, ultrahigh speed, ring oscillator and freq. divider structs. *(Japanese)* 2−14075
GaAs high speed IC technology *(French)* 2−14988
GaAs ICs, for gigabit logic applications 2−14091
GaAs integrated circuit technology, future trends 2−14993
GaAs JFET, planar normally-off, for high speed logic ccts. 2−19618
GaAs logic ICs, review and exemplification *(Japanese)* 2−19633
GaAs MESFET logic gates, effect of cell configuration, gate length and fan-out on propag. delays 2−24481
GaAs MESFET modelling for CAD of circuits *(French)* 2−14853

integrated logic circuits continued
GaAs MESFET quasi-normally-off for high speed frequency dividers 2−20398
GaAs, Schottky-barrier coupled Schottky-barrier gate FET logic inverter, speed-power props. 2−5808
GaAs Schottky-gate FET capacitor-coupled logic cct. fabrication by direct electon beam exposure 2−20404
GaAs VLSI for high speed, high density appls. 2−20410
GaInSb transferred electron logic devices, high-speed switching appls., MSI density *(Japanese)* 2−5210
InP MISFETs, n-channel, for logic appl. 2−25223
InP MISFETs, n-channel, enhancement and depletion mode, fabrication for logic appls. 2−25263
PtSi-Ti/W-Al metallisation system, reliability in bipolar logic devices 2−14984
Si, amorphous, FET, application in integrated circuits 2−5805
Si, amorphous, IGFET, appl. to integrated logic circuits 2−25244
Si MESFET digital circuit techniques 2−14996

integrated memory circuits
1.5 Kbit associative memory, functional diagram and applications *(French)* 2−14125
1 Mbit ROM, Kanji (Chinese ideograph), 1 character generator appl. *(Japanese)* 2−24508
16K dynamic RAM type MCM4116 for MC68000 microprocessors *(German)* 2−24505
16K RAM dynamic memory array card burn in and high speed functional card testing 2−19693
64K bit dynamic RAM, memory cell and sense-refresh amplifier *(German)* 2−19656
64K dynamic RAM reliability, test procedures 2−14121
64K RAM, MOS technology 2−24537
64K RAM, plasma etching device 2−5781
64K RAM fabrication using dry etching 2−20339
64K RAMs, mass production using electron beam lithography 2−20338
64K-bit dynamic MOS RAM *(Japanese)* 2−9099
256K MOS RAM, dry etching technology for 1 micron VLSI fabrication 2−9571
256K MOS RAM, variable-shaped electron-beam direct writing technology for 1 micron VLSI fabrication 2−9731
AD 7581 data acquisition system by Analog Devices *(French)* 2−7048
advances in RAMs, EEPROMs, IV PROMs; and bipolar PROMs 2−14095
advances in speed, density and structures 2−5221
biasdrivers, for high-speed logic and memory circuits 2−19549
bipolar PROM with reprogramming capability 2−24531
bipolar RAM, improved twin dummy cell for half-charge generation 2−5230
bit current steering network for bit address scheme in Harper cell array matrix 2−5231
book 2−23876
C-CD memory using multilevel storage, encoding and decoding circuits 2−24523
C-CD page storage chip isolation from α-particle-induced soft errors 2−19669
chip carriers mounted on large thick film multilayer boards 2−1077
chip-select address decode circuit, programmable 2−24534
CMOS, double lambda diode based (DOL CMOS) static memory cell design 2−24522
CMOS 4K static RAM fabrication using retrograde p-well 2−1449
CMOS 64K dynamic RAM market trend 2−24541
CMOS high density ROM for hand language translator 2−19671
CMOS LSI switch-array module *(German)* 2−19654
CMOS memory systems, deisgn, technology 2−24514
CMOS PROMs, Harris Corp. 2−5217
CMOS RAM, soft error susceptibility, depend. on power supply voltage 2−14108
CMOS RAM, viewed with respect to NMOS technology 2−19677
CMOS RAM cosmic-ray-induced error rate anal. 2−14105
CMOS RAM using analog components, 4K, operation and layout *(French, German)* 2−24506
CMOS ROM, fully-static high-speed design, 32K×8, appls. 2−19688
CMOS SOS single bit RAM cell fabrication using ion implantation 2−1456
CMOS static RAMs fabrication using radiation hardened technology 2−14999
cMOS stores with battery-buffering *(German)* 2−19653
CMOS/SOS 18 ns 4K static RAM design and fabrication 2−24521
CMOS/SOS memory, exposure dose rate depend. 2−14111
CMOS/SOS RAMs, fault tolerant, associative iterative circuit control 2−19679
complementary dynamic memory cell 2−9734
computer data protection, AmZ8000 CPUS, LSI/MOS peripherals, charcts. 2−14122
computer memories, using high speed bipolar RAMs, PROMs 2−14120
computer memory design, technology development 2−14123
data-out path with minimum delay 2−5234
DEC system market forecast 2−24539
double polysilicon memories, Pd contact metallurgical processes 2−5703
dynamic MOS RAM, 256K, 100 ns, using polySi and Mo gates technology 2−19678
dynamic MOS RAM, holding time degradation by injection-induced electron currents 2−19663
dynamic RAM, 16 and 64K, portable tester 2−26803
dynamic RAM, 16K, soft upsets study using ion microbeam 2−24507
dynamic RAM, 64K, fully boosted with automatic and self-refresh, fabrication using double poly Si process 2−24526
dynamic RAM, 64K, yield improvement with laser programmed redundancy 2−24528
dynamic RAM, bit line precharging circuit 2−14115
dynamic RAM, single event upsets study in microcircuits using ion microbeam 2−14109
dynamic RAM access time minimization 2−24535
dynamic RAM cell, 34 μm^2, fabricated using 1 μm single level polycide FET technology 2−24527
dynamic RAM functionality, 64K and 16K types, simple tester 2−14101
dynamic RAMs, 16k and 64k, Hitachi reliability studies 2−9095
dynamic/static RAM, using Intel iQX module, APX microprocessor *(French)* 2−9096
E^2PROM from Intel having 16K memory capacity *(Italian)* 2−5156
EAPROM, source side decoder 2−15006

integrated memory circuits continued
ECL 1 k RAM fabrication using high speed bipolar LSI technology (SST) *(Japanese)* 2−25331
ECL RAM, 3 ns, 1 kbit, fabrication using super self-aligned process technology 2−24516
effective board layout strategy for circuit noise reduction 2−14386
electrically alterable memory device, buried-gate struct. folding for area-saving vertical geometric feature 2−19667
electrically alterable ROM arrays using dual electron injector structure charge injectors 2−9098
embedded memory testing, algorithmic and other signal multiplexing 2−16781
EPROM, bipolar, using hot carrier injection 2−5224
EPROM 1702 A, programming equipment *(German)* 2−14124
EPROM development, data acquisition systems appl. 2−7055
EPROM programmer 2−5236
EPROM programmer for UK 101 using 6812 PIA and Decoding Module 2−5238
EPROM programming apparatus 2−24532
EPROM tester 2−14093
EPROM tester to find erased devices 2−5222
EPROMs, programming *(German)* 2−809
error correction code for single random 1-bit errors or multi-byte errors 2−5235
fault tolerant 256 kbit MOS RAM design Mo-polySi tech., 120 ns access time, 190 mW power dissipation *(Japanese)* 2−24509
fault tolerant memories for single particle radiation effects 2−14107
gas flowmeter, post calibration using digital logic and memory circuits 2−3300
Harper cell array matrix, cascode current sensing amplifier cct., constant voltage design 2−807
Hi-CMOS II static RAM technology, 2 μm process, double level polySi structs. 2−19681
Hi-CMOSII high speed 4K static RAM design 2−24520
high-speed low-power circuits 2−25456
high-speed LSI logic and memories, modern bipolar technology 2−14980
HMOS-CMOS low power high performance technology, appl. to 4K static RAM 2−25351
I^2L/MTL high-speed split-emitter memory cell fabrication 2−24517
IBM computer monolithic RAM/high-performance logic IC fabrication, custom patterning on masterslice using electron beam lithography 2−14045
IC memory modules, placement in same substrate area 2−23996
IDT 6116 RAM using CMOS technology 2−5216
IGFET memory devices with electric unipolar recording of data *(Russian)* 2−14877
imbedded memory arrays, functional testing, ATE 2−16841
Inmos's IMS 1400 16 k×1 static RAM, technology, charcts. 2−14118
INTEL's EEPROM, type 2816, software updating *(German)* 2−24502
Intel 2816 E^2 PROM, basic operation and intrinsic failure mechanisms 2−14127
INTEL 2816 EEPROM for microprocessor systems *(German)* 2−24504
Intel 8202 dynamic RAM controller for addressing 16 Kbytes memory 2−14113
Josephson ROM, high density 2−9097
Josephson ROM, near ideal coupling element 2−5228
LSI development and manufacturing *(German)* 2−14917
LSI FET memory chip manufacturing processes and systems 2−15015
LSI memories in telecommunication systems role and development in Japan's NTT *(Japanese)* 2−26197
LSI technology development trends *(Italian)* 2−5254
LSI test program, reclaim-oriented binning strategy implementation 2−5799
margin of reliability test employing operating terminals 2−5227
memory boards and systems trends 2−24540
metal-Si_3N_4-Mo-oxide-semiconductor, electrically alterable ROM, memory retention life at various tests 2−15028
microcomputer memories, beginner's guide 2−14092
microcomputer memory fault location 2−24498
MNOS LSI memory testing, physical approach 2−1457
MNOS memories, accelerated testing of time related parameters 2−15029
MNOS memory element structures, degradation phenomena, mechanism 2−9664
MNOS non-volatile memory, temperature accelerated estimation of reliability 2−15025
MNOS nonvolatile memory technology at Sandia National Labs., USA, EAROM, RAM and EEPROM appls. 2−15035
MNOS UV light programmable nonvolatile memory devices 2−9102
MOS 45 ns fully static 16K ROM design and fabrication 2−14102
MOS 4K×8 dynamic RAM with on-chip self-refresh 2−24524
MOS 64K×1 bit fully static RAM design and fabrication in 16 pin DIP 2−24525
MOS dynamic RAM, buried oxide, experimental study 2−1451
MOS dynamic RAM, soft error 2−9100
MOS LSI memory fabrication using direct write electron beam lithography 2−20419
MOS LSI technology, 256K RAM development *(Japanese)* 2−25346
MOS memories, future in telecommunications 2−9742
MOS RAM, 256 kbit, using Si wafers, O impurity influence *(Japanese)* 2−9737
MOS RAM, dynamic, refresh time degradation by irradiation of alpha particles 2−1452
MOS static RAM, 4 K-bit, electron-beam direct slice writing and dry etch process, VLSI MOS device technology 2−20403
MOS static RAM, 4K×1, enhanced performance, use of optically-defined submicron devices 2−19686
MOS technology, review of evolution and current state-of-the-art 2−15022
MOS VLSI, Si crystal substrate processing for 1 micron technology *(Japanese)* 2−25349
Mosteks 'Byte wyde' memory family 2−14099
Motorola 64K RAM, design and development 2−19673
multi-microprocessing system, multiple memory accesses 2−24553
N-well CMOS RAM for high density dynamic memory appls. 2−19687
NMOS 1K memory, susceptibility to conducted electromagnetic interference 2−19676
NMOS 20 ns low power 1K×4 static RAM design and fabrication 2−14103
NMOS 30 ns 16K×1 fully static RAM fabrication 2−24519

integrated memory circuits continued
NMOS fault-tolerant 30 ns/375 mW 16K×1 static RAM fabrication 2−24518
NMOS high speed 16k×1 static RAM 2−5181
NMOS memory devices, reliability of standard screening techniques 2−13324
NMOS RAM, voltage breakdown characteristics compared with accelerated life tests and field use data 2−15026
NMOS VLSI memories, β-radiation damage in hermetically sealed devices 2−15027
non-volatile RAMs using RAM and E^2PROM, TTL signal for data transfer control *(French)* 2−24515
nonconsecutive address decoding by PROM and decoder/demultiplexers 2−9094
packaging, memory/processor chip mounting on single substrate 2−18998
programmable IC technology, microcomputer appl. *(Japanese)* 2−14157
PROM, 512 bit, fabrication using PMOS technology *(Korean)* 2−14117
PROM, bipolar components, electron microscopy 2−25330
PROM, electrically alterable, fabrication using SiO_2 insulating layers 2−20409
PROM test programs for microcomputer systems *(Croatian)* 2−24544
quasistatic RAM based on depletion-load double-poly n-canal Si-gate technology, 4K×8 *(German)* 2−19658
RAM, bipolar, prediction model in high energy ion/proton environment 2−14104
RAM, quadruply self-assigned stacked high-capacitance, using Ta_2O_5 high-density VLSI dynamic memory 2−24529
RAM, redundancy-oriented design *(German)* 2−9129
RAM 16K dynamic semicond. memories, α-particle sensitivity reduction by neutron irradiation 2−14106
RAM ATE calibration check using test reference module and selected test patterns 2−7009
RAM CAD, marco system, optimized X and Y dimensions for improved performance and chip area utilization 2−5162
RAM cell with gated p-n junction 2−5223
RAM fabrication, double polysilicon, lightly doped drain SiO_2 spacer formation controllability improvement 2−5819
RAM package, SEM/EDAX and optical microscopy analysis of particle impact noise detection (PIND) test failures 2−14945
RAM production testing, Megatest Q2/40 system for dynamic memories 2−22077
RAM test programs for microcomputer systems *(Croatian)* 2−24544
RAM testing for pattern sensitive faults, graph model 2−19665
RAMs, test procedure for functional faults, march tests 2−19666
RAMs, use of silicone room temperature vulcanising rubber for alpha particle protection 2−14936
rAMs for high capacity and high performance systems 2−5237
read-only storage array cell having late personalization using poly-Si resistor 2−25355
read/write control circuit reference voltage generator for memory cell array 2−806
redundancy in 64-K RAM *(German)* 2−5220
redundancy techniques mechanisms and utilisation *(Swedish)* 2−24510
reliability physics conf., Orlando, Florida, USA (April 1981) 2−18861
repairable RAMs and mostly-good memories, testing 2−19690
review of present market and development tendencies *(French)* 2−19672
ROM, 64K, quality control testing, using desktop computers 2−6999
ROM, current-biased array sense circuit, bleeding current path provision 2−5233
ROM, electrically alterable, degradation by charge trapping 2−24536
ROM, poly-Si/poly-Si 2−5774
ROM patch operation by bypassing to substitute memory or using software techniques 2−19668
semiconductor and bubble memories, handbook 2−23882
semiconductor memory devices, development technology 2−14119
semiconductor memory technology developments 2−5218
semiconductor memory testing diagnostics and anal. 2−19691
semiconductor memory testing economics 2−18929
SOS/CMOS deep depletion technology for fabrication of 4K static RAM *(French)* 2−14126
static 16K-bit INMOS RAM, appl. *(German)* 2−24503
static and dynamic RAM products 2−24538
static field-effect RAM, on-chip array stabilisation 2−5815
static pinch resistor RAM cell, standby offset voltage maintenance by constant current source 2−19670
static RAM cell with selected barrier height Schottky diodes 2−5172
storage chip power control cct. 2−14112
storage subsystem, overlapping data streaming and concurrent read/write references 2−14114
superconducting circuit interconnections, lumped inductance effect on ultrafast switching signal propag. characts. 2−19623
Taper Isolated dynamic RAM cell as memory element in sub-hundred nanosecond dRAM 2−19685
test pattern considering Hamming distance between addresses 2−14924
test quality and efficiency optimising system for memories and LSI 2−19689
testing, auxiliary test buffer unit for large memory characterisation data management 2−22110
testing, guided probe-based diagnostic technique 2−9092
TMS2149, scaled NMOS static RAM 2−14097
TMS2528 EPROM using X-cell architecture 2−14096
tri-state read/write control circuit for driving of sense amplifier in Harper cell array matrix 2−5232
two-device bistable memory circuit without feedback loop 2−19680
two-pass array test method for addressing ccts. and storage cells of memory ICs 2−808
UV EPROM erasure in flash X-ray and Co^{60} total dose environments 2−14110
UV-EPROM, for planar gas discharge display subsystems 2−22167
vertical channel single dynamic memory device using bipolar technology process 2−24530
VLSI dynamic RAMs, alpha-particle effects, simulation models, collected charge in 1 μm devices 2−19682
VLSI dynamic RAMs, open data/folded data line cell struct., stacked capacitor N-well P-MOS cell structs. 2−19684
VLSI dynamic RAMs electron-beam testing 2−19692
VLSI FET memories, dynamic RAM cell with readout gain, high α-particle immunity 2−14116
VLSI memories, use with MOS solid state imaging devices for home TV camera 2−16651
integrated memory circuits continued
VLSI technology in 1980s, improvement factors and limitations *(Italian)* 2−14170
VLSI testing, conf. Philadelphia, PA, USA, October 27-29 (1981) 2−18875
write-once, optical ROM, material for providing contrast 2−5229
Xicor's nonvolatile 4-bit RAM family 2−14100
GaAs JFET static RAM design 2−14130
GaAs MESFET high speed static RAM technology and design 2−14131
GaAs, review *(Czech)* 2−15017
Nb_2O_5-based thick film functional devices, non-volatile memory 2−1056

integrated optics
see also fibre optics; optical films; optical modulation; optical waveguides; semiconductor junction lasers
acousto-optic mode converter, ultra-wideband design using SAW and optical guided-wave structs. 2−10099
acousto-optic spectral analyser using grating components 2−6073
bistable integrated directional coupler switch, remotely controlled, in optical fibre link 2−15345
bistable optical device using semiconductor laser diode and photodetector 2−2003
Bragg cell, 500 MHz bandwidth guided wave L-band 2−20696
chirped waveguide diffraction gratings, improved holography 2−6279
circuit fabrication 2−6034
circuit losses, expt., fibre pigtailing of chips 2−10054
components, configurations, materials and appls. 2−1739
components and circuits for space applications 2−3563
coupler, directional, using deposited SiO_2 waveguides 2−9989
coupler, high-efficiency, on raised grid with large period 2−25528
detectors, used for fibre optic systems 2−7106
DFB laser action in fibre surrounded by gain modulated dye soln., evanescent field coupling 2−15490
diffraction grating fabrication for integrated optics 2−15342
diffused strip waveguides in glass 2−20661
diffused waveguide, emitted light interf. 2−1719
distributed feedback bistable optical device, end refl. effect on switching threshold 2−6271
distributed feedback bistable optical devices, self-pulsing and chaos 2−25830
dye laser, thin film optical waveguiding evanescent, with corner reflecting resonator 2−1916
electro-optic oscillator, high freq., using integrated interferometer 2−25546
electrooptic guided-wave device for general polarisation transforms. 2−9987
elements and systems review 2−20684
elongated integrated optical components fabrication by fibre pulling 2−10056
fabrication technology 2−25542
fibre gyroscope with nonreciprocally operated fibre-coupled $LiNbO_3$ phase shifter 2−15324
fibre interferometer sensor systems, diode laser source limitations 2−10038
fibre optics terminal, multiwavelength monolithic integrated , multiplexing/demultiplexing system 2−2798
fibre-optic integrated interf. filter fabrication 2−20711
fibre-optic rotation sensor, toward an integrated device, review 2−1730
flip-chip coupler fabrication between single-mode fibers and $LiNbO_3$:Ti channel waveguides 2−25539
fluoromethane optically pumped 496 μm DFB gas laser 2−10207
Fresnel lens integrated on oxidised Si substrate, focusing efficiencies 2−20685
Fresnel reflection halo lasers, planar laser action of 2D disc-shaped active material 2−10321
geodesic components, use of aspherical surfaces 2−6043
geodesic lenses, second order effects, anal. 2−10066
geodesic lenses in Ti-indiffused $LiNbO_3$ waveguides, performance characts. 2−6037
glass planar light waveguide formed by Ag diffusion, optical props. 2−1714
glass screen-printed optical components 2−1738
glass substrate, diffusion of K^+, fabrication of optical waveguides 2−10027
glass waveguides formed by Ag^+ ion exchange, stripe waveguides, directional couplers and bends, optical filter appls. 2−10064
grating profiles, asymm. triangular, with 90° groove angles, by ion-beam erosion 2−1737
guided-wave acousto-optic devices and appls., review 2−6072
guided-wave devices, polarisation-independ. 2−10039
guided-wave devices for optical communication 2−9985
guided-wave optical and SAW devices, systems and appls., conf., San Diego, CA, USA (July 1980) 2−10
heterodyne detector with diffraction grating integrated onto surface of Si photodiode 2−6052
heterodyne detector with integrated diffraction grating on diode surface 2−16974
high-resolution RF spectrum analyser with Fourier transform geodesic lens system 2−6053
holographic diffr. gratings, formation in photoresists. 2−10373
hybrid bistable optical device using an acoustooptic waveguide modulator 2−10093
IC elements, appl. of chalcogenide amorphous films 2−25543
II-VI compound vacuum evaporated film, optical consts. determ. with optical waveguides 2−9962
III-V semiconductors for optoelectronic devices, fibre communication appls. 2−25544
image transmission characts. of planar multimode waveguides, optimization of self-imaging props. 2−11095
inhomogeneous diffused channel waveguide in integrated optics, wave propag. anal. using finite-difference method 2−10067
interferometer, guided-wave, using periodic structures 2−6038
interferometer modulator, basis of hybrid electro-optical multivibrator operating by finite feedback delay 2−25548
interferometry, optical amplitude/phase measurement by phase-modulated single sideband detect., integrated optics appl. 2−7225
laser optics, conf., Leningrad, USSR (Jan. 1980) 2−18844
laser pulse transmission, ultrashort, through waveguide resonator with distributed Bragg mirrors 2−1980
leaky modes on waveguides for integrated optics 2−6036

integrated optics continued
light radiation from dielectric waveguide, depend. on surface corrugation 2−15343
low-loss bends for integrated optics 2−15344
Mach-Zender amplitude modulator with optoelectronic feedback loop, response linearization 2−10069
measurement appl. developments, review 2−22277
measurement sensors, using fibre optics and integrated opto-electronics 2−25522
metal clad dielec. film waveguide with low refractive index buffer layer, guided mode-surface plasma mode resonant coupling 2−10012
micro lens fabrication using electron-beam lithography 2−20686
microgratings, electron-beam directly written, for integrated optical circuits 2−6042
miniaturisation limits in optics *(German)* 2−25469
monolithic integrated microgratings and photodiodes for wavelength demultiplexing 2−25536
multilayered waveguide, mode analysis and prism coupling 2−1689
multimode strip waveguides formed by ion-exchanged processes, field-induced index profiles 2−10062
open dielectric waveguides, generalised two-dimensional coupled-mode anal. of curved and chirped periodic structures 2−1695
open dielectric waveguides for integrated optics and MM-wave ICs, guidance and leakage props. 2−907
open dielectric waveguides for integrated optics and MM-wave ICs, guidance and leakage props. 2−908
optical data preprocessor, 16-channel, fabrication details 2−25538
periodic multilayered waveguide, expression for no. of guided TE modes 2−10007
photochromic stripe waveguides for integrated optics, organic fulgides appls. 2−10065
photoemission, nonlinear, for viewing guided or evanescent waves 2−10055
planar demultiplexer with chirped grating for optical fibre systems, WDM technique 2−6047
planar diffused glass waveguide, 1D image feeding using prism-film coupler 2−25540
planar waveguide, power depend. refr. index 2−10004
polarisation-insensitive integrated microoptical switches/modulators, new approach 2−9986
product growth cycle 2−25549
review of integrated optics-technology/ and its application 2−1743
ring-channel waveguides, bistability anal. 2−15323
single-sideband modulator or freq. shifter 2−6033
sinusoidally corrugated interface, light diffr. efficiency by phase grating 2−1744
spatial filters, passive and active 2−6041
spectral analyser, integrated acoustooptic, prototype 2−1761
spectral channel demultiplexer utilising planar multimode waveguide 2−1721
spectrally selective waveguide photodetector 2−3167
spectrum analyser, aspheric geodesic lenses 2−6044
spectrum analyser for RF signals, fabrication and performance 2−6040
strip waveguides driven by surface acoustic waves 2−25537
surface EM wave dispersion and attenuation in far IR, inelastic light scatt. meas. 2−6039
switch utilizing total refl. crit. angle controlled by dielec. chip motion 2−1688
switching devices in integrated optics, using $LiNbO_3$:Ti channel waveguides 2−10057
switching network, N×M electrooptical, in planar $LiNbO_3$ optical waveguide, for computer communications 2−11090
switching networks, optical channel waveguide total internal refl., fabrication and testing 2−1741
thick-grating non-divergent focusing device, two dimens. analysis 2−6032
thin-film DFB laser emission, wavelength tuning method 2−25655
waveguide, glass sputtered coating, imperfections, light scatt. study 2−15315
waveguide optical components for integrated optical signal processing 2−10041
waveguides, composite, grating struct. investigation 2−20660
waveguides, model and real, guided TM mode acoustooptic interaction efficiency, freq. depend. 2−20666
AlGaAs constricted double-heterojunction diode lasers, structs. and electrooptical characts. 2−20894
AlGaAs lasers with micro-cleaved mirrors suitable for monolithic integration 2−25773
As-S, amorphous film, optical waveguide, laser beam electrooptic modulation 2−20691
As_2S_3 amorphous film waveguide, optical grating device fabrication 2−1740
CO_3 80 μm hollow-core slab waveguide laser, 10.6 μm optical gain meas. 2−10203
Fe garnet magneto-optic storage light control and display components, use of integrated thin-film techniques *(German)* 2−20694
GaAlAs/GaAs multilayer monolithic integration of active and passive components for integrated optics 2−6051
$Ga_{1-x}Al_xAs$ electron-beam-pumped laser, oxide film influence on threshold current density 2−20943
GaAs IR waveguides, proton implanted, substrate temp. effects 2−1715
GaAs integrated DFB oscillator-amplifier system 2−1959
GaAs lasers, longitudinal mode control using three mirror active passive cavity 2−10306
GaAs single-mode DH lasers using three-mirror active-passive cavity, longit.-mode control 2−10304
GaAs/GaAlAs curved rib waveguides, loss value meas. 2−6049
GaAs-AlGaAs DH system, monolithic integration of optical sources and detectors, processing techniques 2−6035
GaAs-GaAlAs integrated optical devices fabricated by MBE and metal-organic CVD 2−25541
GaInAsP/InP integrated twin-guide lasers for single-mode operation, fabrication techniques 2−6048
GaInAsP-InP BH distributed-Bragg-reflector integrated-twin-guide lasers, 1.58 μm wavelength 2−20879
GaInAsP-InP BH distributed Bragg reflector integrated-twin-guide laser emitted at 1.5 to 1.6 μm 2−20885
glass waveguides with Ag^+ ion exchange, loss anal. 2−10063
InGaAsP-InP integrated LED-detector device 2−25637
$In_{1-x}Ga_xAs_yP_{1-y}$ ultrashort cavity lasers, optically pumped, picosec. operation, 0.83-1.59 μm 2−10297
InSb ring-channel waveguide, bistability anal. 2−15323
integrated optics continued
$LiIO_3$-Si layered system, Gulyaev-Blyushtein and Rayleigh wave amplification 2−10097
$LiNbO_3$ Bragg modulator, relax. processes 2−1745
$LiNbO_3$, c-plate orientation, diffused optical waveguides on +c and −c faces, integrated optics appls., chemical etching 2−10058
$LiNbO_3$, electro-optic directional coupler integrated with pyroelec. waveguide detector, optical bistability 2−6045
$LiNbO_3$ optical waveguide prism coupler, temp. compensation 2−10061
$LiNbO_3$ single mode optical waveguides, fabrication by ion implantation 2−15307
$LiNbO_3$ Ti-diffused waveguide, modal fields and curvature losses 2−6023
$LiNbO_3$ waveguides, stoichiometry-control and performance for integrated optics 2−25515
$LiNbO_3$:Ti diffused channel waveguide, surface-index profile meas. using interferometric technique 2−15289
$LiNbO_3$:Ti diffused channel waveguide characts. 2−20662
$LiNbO_3$:Ti diffused waveguides, stoichiometry-control and performance for integrated optics 2−25515
$LiNbO_3$:Ti diffusion-fabricated optical waveguide, broad-band acoustooptic interaction 2−1724
$LiNbO_3$:Ti guided-wave acousto-optic Bragg cells with SAW transducers, centre freqs. >1 GHz, 500 MHz bandwidth 2−6074
$LiNbO_3$:Ti guided-wave electro-optical devices for integrated optics, review 2−10078
$LiNbO_3$:Ti optical waveguides, dispersion curves rel. to fabrication parameters, comparison of theory and expt. 2−10059
$LiNbO_3$:Ti tunable electro-optic TE⇆TM mode convertor/wavelength filter 2−10068
$LiNbO_3$:Ti waveguide optical serrodyne freq. translator 2−6046
$LiNbO_3$:Ti waveguides, electrooptic-photorefr. modulation 2−16459
$LinbO_3$ crystals for light deflection and switching, thermo-optic effect 2−10053
$LinbO_3$:Ti stripe waveguides, end-fire coupling of optical fibres for interconnection purposes 2−10060
rectangular metallic waveguide resonator performance evaluation near 1.2 mm wavelengths 2−20912
SiO_2-Ta_2O_5 waveguide dielec. thin films, refr. index var. due to laser irrad. and annealing 2−10005
T 2−20880
YIG anisotropic planar lightguide covered by metal layer, TE⇌TM mode conversion 2−15341
ZnS-Ta_2O_5-Nb_2O_5 mulilayered thin films optical tunable couplers using SAW, filtering props. 2−20687
integrated plant control *see centralised control*
integrating circuits
active ladder filters, high quality double-integrator building-block 2−19784
audio amplifier response improvement, feedback integrator removes DC offset 2−19555
cyclic A/D convertor using switched-capacitor integrator, single-chip realisation 2−19741
digital-frequency integration, error computation *(Russian)* 2−5169
divider using saw tooth method, non-inverting integrator appl. *(German)* 2−878
inverting bilinear lossy integrator realisation using stray insensitive 1st order active switched capacitor network 2−19523
MOS switched capacitor integrator, eliminating operational amplifiers 2−14244
parasitic compensated switched capacitor circuits 2−13929
switched capacitor low frequency integrators, morphological design method 2−19524
switched-capacitor filter circuits with large time constant, construction by small capacitor ratio, integrator and adder appls. 2−9151
synchronous integrator, S/N improvement in modulator-demodulator d.c. amplifier, using synchronous integrator 2−777
tunable noninverting integrator, HF Q-compensation 2−14233
variable capacity integrator, with constant gain *(Italian)* 2−9167
wideband preamplifier and signal processing filter for gas proportional detectors 2−27086
integrating spheres *see photometry*
integration
analytic integration by computer *(Japanese)* 2−8720
beam transverse shear and rotary inertia Gaussian model 2−13789
Cauchy, best quadrature formula 2−8422
composite multiderivative linear multistep methods, exponential fitting 2−8761
continuous function approximation, singular integrals 2−19309
decomposition local functional 2−19333
differential eqn. system, soln. method with automatic selection of integration order and step length *(Russian)* 2−493
doubly curved isoparametric triangular shell stress anal. model 2−8768
dynamic response by means of functions of matrices 2−13788
equation of motion $d^2y/dx^2+c^2\sin y=0$, solns. for pendulum and alternators 2−8402
error estimation in approx. numerical integration near simple pole using Chebyshev points 2−4923
hydrocode subcycling stability 2−4973
improper integral computation, FORTRAN program 2−8719
industrial robot pneumatic actuating mechanism braking numerical integration model 2−19379
interpolation formula using Taylor's formula of operational calculus *(German)* 2−8721
invertor fed synchronous motor excitation control and performance anal. 2−18204
irregular air gap cross armature reaction demagnetising effect 2−4234
Laplace equations, penalty method appl. 2−8749
multiple, asymptotic expansion 2−13796
nonhomogeneous boundary conditions and curved triangular finite elements 2−4952
nonlinear second-order, asymptotic quasiperiodic solution 2−19387
Nystrom method solution 2−19368
On Emden's differential equation/ and some related equations 2−528
on implicit integration circuits based on differential transformations *(Russian)* 2−13381
on numerical integration of implicit ordinary differential equations 2−4951
oscillatory and singular integrands, commercial method 2−540
parabolic stiff, linear multistep method 2−19383
plane elasticity, Gauchy type, numerical algorithm 2−8770

integration continued
proximally continuous integrals 2−180
rainfall rate statistics, influence of integration time and height of rain-gauge 2−24100
rational and meromorphic cohomologous reduction 2−8427
singular oscillatory integrals asymptotic formula 2−13795
skew dipoles, mutual impedance calc. using induced EMF and numerical integration method *(Japanese)* 2−15779
steam turbine blade rotor nonadiabatic viscosity numerical model 2−17999
structure analysis, numerical integration comparison 2−19341
three-phase AC power systems, integration of space-phasor components with factorized eigenvalues *(German)* 2−12212

integro-differential equations
see also Boltzmann equation; Fokker-Planck equation; Liouville equation; master equation; Vlasov equation
ductile elasticity theory 2−19386
elastic-plastic problems solution, existence and uniqueness, convergence of approx. solutions *(Chinese)* 2−19377
EM wave propag. in nonlinear media; nonlinear integro-differential equation *(Russian)* 2−10358
Galerkin methods for numerical solution of singular integro differential equations 2−495
linear integro-differential equations, solutions of bounded variation 2−8414
Lyapunov function algorithm 2−19358
nonlinear Volterra, Hilbert space ergodic theorems 2−8741
parabolic inequality, Holder regularity for solution *(French)* 2−24045
piecewise smooth boundary 2−8424
power invertor, auxiliary impulse commutated, bridge type, math. model 2−4302
power systems in self-adjusting regime in active power space, region of existence anal. 2−27403
principles of electrodynamic circuit theory *(Russian)* 2−650
quasilinear elliptic thermal explosion model, numerical solution 2−8786
rod lengthwise shock Boltzmann Volterra equations 2−4965
second order, Gronwall Bellman type 2−525
vehicle with electromagnetic suspension, mathematical model 2−28180
Volterra with weakly singular kernel, block-by-block method 2−519

intelligence, artificial *see artificial intelligence*

intelligibility, speech *see speech intelligibility*

intensification *see amplification*

intensity measurement
see also acoustic intensity measurement
laser beam intensity tester 2−22415
light intensity-to-frequency converter, for incorporation into MOS circuits 2−22286
streamer chamber absolute γ quantum flux meas. apparatus 2−27076

interacting control systems *see multivariable control systems*

interactive programming
Modular Interactive Network Designer software for telecommunications networks 2−2405

interactive terminals
see also remote consoles
CADDIE, behavioural specification of new telecom facilities appl. 2−15988
Chinese character CRT terminal, hardware and software design 2−16849
colour display graphics possibilities 2−21631
CRT assembly noise reduction 2−9253
CRT terminal developments 2−7029
CRT transparent touch panel copier console 2−11546
CW and RTTY video terminal 2−26398
distribution network computerized telecontrol system used by ENEL, Argentina, principal features *(Spanish)* 2−3745
LSI layout design, raster scan colour graphics terminal appl. 2−1430
nonpacket-mode, DDX public packet switched data network interconnection *(Japanese)* 2−6714
ORION ADP CRT display and DME video monitor families 2−17000
remote writing terminals and audiographic services *(French)* 2−21476
rocket fuel burning meas., transducer test data evaluation with computer graphics 2−3547
SILK integrated local communications systems appl. 2−6717
video graphics terminal price/performance relationship 2−21680
videographic text transmission terminal cost containment *(French)* 2−21493
videotex terminal equipment for office communication *(German)* 2−21509
videotex terminals for office communication, equipment configurations *(German)* 2−21510

interdiffusion *see diffusion*

interface electron states
heterojunctions, nonideal, photoelectric props. 2−20128
MIS inversion layer solar cells, surface recombination current 2−12860
MNOS structure, degradation props. 2−9507
MNOS structure, quasi-static and HF C(V) curves, insulator polarisation effect 2−25089
MNOS transistor, memory retention, high temp. H_2 annealing effect 2−1379
MOS and FAMOS transistors, channel hot electron injection effect on spatial distrib. of interface charge 2−25261
MOS capacitors, field-sensitive interface states, total dose hardness assurance implications 2−14708
MOS capacitors annealing with implications for test procedures to determine radiation hardness 2−14703
MOS structure, charge properties, influence of Si etching in RF Ar plasma *(Russian)* 2−1245
MOS structures, characts. of slow interface traps created during electron avalanche injection 2−25099
MOSFET interface states due to hot electron injection, determ. by charge pumping technique 2−9649
MOSFETs, n-channel, threshold-voltage instability under bias-temp. ageing 2−25234
piezoelectric-semiconductor struct., acoustoelec. memory, capture centres characterisation 2−15088
Schottky barrier junction, energy distrib. of surface states 2−5625
semiconductor interface physics, conf., Williamsburg, VA, USA (Jan. 1981) 2−4566
semiconductor junctions, homogeneous, charge meas. of interface 2−25048
semiconductor junctions with deep impurity levels, admittance, space charge anal. 2−9479
semiconductor-insulator nonlattice matched interface, U-shaped background density of interface states 2−14716
solar cells, MIS, p-type, electron capture by surface states, adverse and beneficial effects 2−23448
SOS MOSFET two-dimensional analysis 2−25238
Al/Si (111) cleaved interface, photoemission, Auger electron yield, and AES study 2−1235
Al-CdS(Se), electronic barrier characts., time-resolved charge injection 2−5629
Al-SiO_2-Si structure, hole mobility and density of states at Si-SiO_2 interface 2−5637
CdSe-Al_2O_3 interface states, field effect spectroscopy 2−1243
CdSe-SiO_2 interface states, field effect spectroscopy 2−1243
$Cu_{2-x}S$-CdS thin film solar cells with dual impurity distrib. in base 2−23432
GaAs (110)-Al interface, initial stage of formation 2−5614
n-GaAs, passivation and interface state studies 2−9567
GaAs planar devices, interface traps, DLTs and PITs methods 2−1397
n-GaAs-Au Schottky barrier height increase, Fermi energy pinning behaviour 2−5623
GaAs-GaAlAs heterojunction, localisation and interaction effects in electron gas 2−9481
GaAs-n-AlGaAs heterostructure grown by MBE, growth temp. effect on two-dimens. electron gas mobility 2−5606
GaAs-oxide interface states: gigantic photoionization via Auger-like process 2−14718
n-GaAs-oxide layer, interface defect states effect on electronic props. 2−14717
GaAs-Si_3N_4 interface, trap studies 2−14715
GaAs-ZnSe heterojunction interface, LPE conditions effect 2−25066
$Ga_{1-x}In_xAs$ MOS structures, plasma anodisation and interface props. 2−25079
p-Ge/CdS junction, admittance with deep impurity levels, space-charge anal. 2−9479
Ge_3N_4-GaAs MIS devices, elec. characts. and memory behaviour 2−25091
Ge_3N_4-n-GaAs MIS devices, interface characts. determ. 2−14883
InGaAsP n-channel inversion mode MISFET with low interface state density 2−9658
InP MIS triodes, surface controlled, as luminescent devices, surface inversion charge density meas. 2−1814
InP-SiO_2(Si_3N_4) MIS capacitors, interface props., C-V meas. 2−5635
Si (111)-Ga(Sb) interface Schottky barrier formation 2−25071
Si MOS structs., pre-breakdown field treatment effect on elec. props. *(Russian)* 2−1248
Si polycrystalline in MIS devices, grain boundary effects, capacitance, cond. 2−14722
Si semicrystalline Schottky diode, quantitative model of grain boundaries influence on junctions space charge 2−20233
p-Si/aqueous electrolyte interface in solar cells, oxide optimisation 2−12849
Si-SiO_2 interface, hot electron induced defects 2−25098
Si-SiO_2 interface, phys. struct. of interface states, correl. to technology anal. *(German)* 2−14720
Si-SiO_2 interface defects, low temp. annealing and hydrogenation 2−5636
Si-SiO_2 interface in MOS structures, radiation-induced trivalent Si defect buildup 2−14705
Si-SiO_2 interface in MOS structs., memory effects caused by irrad. *(Russian)* 2−14723
Si-SiO_2-n-InAs(n-InSb)(p-ZnTe) hybrid struct., elec. cond. and capacitance 2−14739
SiO_2, electron trapping, reduction by high temp. N_2 annealing 2−14709
SiO_2-Si, avalanche electron injection, interface states generation 2−9506
SiO_2-Si interface states generation at low temp. with ionising radiation 2−14702
$SiSiO_2$-electrolyte structures, interface state props. depend. on pH 2−20141
Ti-p-Si MIS type Schottky barriers 2−25083

interface phenomena
see also adsorption; crystal surface and interface vibrations; semiconductor-electrolyte boundaries; surface phenomena
heat transfer in stressed liquid 2−9775
piezoelectric-semiconductor layered structure, shear-wave convolution 2−5882
semiconductor structure, space charge model 2−20120
solid-state electrochem. cells, electrode and interface reactions, review 2−12797
SOS films with negative and positive interfacial charges 2−5639
Li-Si/FeS_2 primary cell, reactive interface materials characterisation 2−7968
Na-S cells, β-Al_2O_3 interface resistance study 2−18442
SF_6 switchgear, gas/solid insulation behaviour during arc discharges *(German)* 2−18377
TiB_2 film electrode behaviour in Si vacuum deposited thin film solar cell 2−28113

interface tension *see surface tension*

interface vibrations *see crystal surface and interface vibrations*

interfaces, computer *see computer interfaces*

interfacial energy *see surface energy*

interfacial tension *see surface tension*

interfacial waves *see surface waves (fluid)*

interference
see also interference (signal); interference (wave)
AC railway operating thyristor-controlled traction units, meas. and statistical anal. of interference 2−13032
digital communication equipment bit error rate determ., using extrapolation technique 2−6428
electronic meas. apparatus, dynamic loads effect estimation 2−16757
Japanese railways, power electronics traction systems, interference problems 2−13034
radiocommunication systems, industrial interference, pulse amplitude distrib. *(Russian)* 2−25990
rail transit, EMC consequences of power electronics appl. 2−13035

interference (signal)
see also crosstalk; electromagnetic interference; intersymbol interference
adaptive approach to suppress powerful impulsive interference 2−26131

interference (signal) continued
adaptive receiving sample length limitations due to noise, number theoretic transform method appl. 2−26066
AF rapid transit signalling system, inductive interference due to chopper propulsion control 2−18709
analogue level stabiliser for noise-distorted signals, digital modelling *(Russian)* 2−26114
automatic recognition of signals, spatial interference *(Russian)* 2−21348
automatic repeat request scheme for pre-emptive retransmission over noise channels 2−15843
bandsharing spread-spectrum system with TV broadcast channels, improved use of spectrum for land mobile radio 2−2709
binary FSK Communication systems subjected to impulsive noise, error rate prediction 2−15806
binary FSK communication systems subjected to impulsive noise, error rate prediction using 2nd order technique 2−15807
cancellation circuit, design and performance 2−21120
cancellation of interference for double sideband signals 2−2917
Chernoff bounds for PAM system with noise and interference 2−21266
coherent fluctuating signals, buried in nonstationary interference, multichannel sequential detect., students statistics appl. 2−15918
coherent phase shift keyed systems, probability of error in systems with intersymbol interference and additive noise 2−2248
coherent PSK and DPSK systems performance in impulsive and Gaussian noise environment 2−26137
colour TV, effects of noise on linear rules of chrominance classification 2−2388
communication channel noise immunity, effect of reference channel nonlinearity 2−15809
communication satellite system performance in simulated RFI 2−26485
computer system power overhead line interference anal. 2−6339
deterministic signal detection, under Markov interference, using rank binary rule 2−2347
digital microwave radio using 16-QAM techniques 2−2247
DPCM with adaptive quantizers, improvements in performance based on adaptive noise shaping 2−6389
ELF radio noise, 1-D distrib. function of vertical elec. component 2−21118
false signal suppression in problem of raising resolution 2−3027
FM/FDM modulated radio carrier, simulation for interference and intermodulation calcs. 2−21732
Gaussian interference channel capacity for two separate messages, strong interference 2−10608
INTELSAT V and VI type TDMA/QPSK system, computer simulation 2−21809
intersystem coordination for fixed satellite service 2−21781
L-DCPSK radio links, multipath propag. interference, availability anal. 2−26385
long wavelength fibre optical digital transmission, performance for field applications 2−11101
M-ary signaling with correlation receivers, worst case interference 2−21334
Markov, detection of incoherent radio signals 2−2355
measurement errors due to earth loops *(German)* 2−6347
microwave receiver with TWT at input, large amplitude interference 2−1121
minimum mean square error equalization of interference of fading diversity channels 2−10534
mobile radio telephony, SSB AM vs. FM at VHF 2−10990
multipath delay characteristics for digital microwave links *(Japanese)* 2−21089
multipath distortion causes, effects in microwave links 2−10963
noise resistance improvements in weighting methods *(Russian)* 2−21337
noise type signal detector immunity to concentrated noise, two sided space contrast principle 2−25991
nonstationary measurement noise identification in linear systems 2−21336
optical fibre, multimode, transmitted laser signal, amplitude fluctuation 2−6014
optimal coherent reception of digital data in fluctuation, concentrated, and pulse noise 2−2351
phase-angle voltameter meas. of noisy signals 2−11509
phased scanning antenna arrays, with interaction of radiators 2−21239
PLL demodulation of binary FM in a high noise environment 2−6395
principle and suppression techniques *(Italian)* 2−6338
railway cable telecommunication circuits, noise induced by electronically regulated electronic locomotive *(Italian)* 2−6729
random, noise interference of video signals, effects on image resolution and grey scale 2−15725
rapid transit systems, rate-coded audio-freq. track ccts. with chopper propulsion drive, compatibility 2−18690
regenerative satellites, clock recovery for DCPSK link in burst mode TDMA system 2−11071
regenerative satellites, QPSK downlink for systems with on board regeneration 2−11069
shipboard power line transients, US Navy long-term monitoring findings 2−22930
SSB radio systems, phase-locked, speech pulling problems 2−16390
still TV pictures, digital signal averaging technique, pixel incrementing for improving S/N ratio 2−2385
synthesised radiation pattern of receiving antenna array, effects of noise on performance characts. 2−10552
TV ghost signal measurement, analysis *(Japanese)* 2−11213
TV transmitters, random interference, regulation and meas. 2−11169
twisted pair, coupling reduction from interfering field 2−21157
UHF television, signal strength handicap 2−2863
useful signal delay meas. effect of partial suppression of interfering signal *(Russian)* 2−26125
VTR noise sources including magnetic particle noise *(Japanese)* 2−16668

interference (wave)
see also acoustic wave interference; electromagnetic wave interference
No entries

interference spectrometers
Michelson interferometer, asymmetric, for direct determ. of far IR opt. consts. of semicond. 2−11645

interference spectroscopy
see also Fourier transform spectroscopy
No entries

interference suppression
see also echo suppression
A/D convertor, probabilistic, voltage-to-code 2−9194
adaptive approach to suppress powerful impulsive interference 2−26131
adaptive digital comb rejector filter for quasi-periodic noise suppression 2−24618
adaptive receiving array interference nulling schemes compared 2−27308
adaptive threshold technique for local clutter suppression 2−2372
aircraft multibeam adaptive array for main-beam interference nulling 2−6378
antenna arrays using digital phase shifters, sidelobe suppression by multistage decision method 2−10598
automobiles, HF mobile communications appl. 2−26445
cancellation circuit, design and performance 2−21120
cassette tape recorder servicing *(German)* 2−11289
cassette tape recorders, development trends *(Polish)* 2−3014
cassette tape recorders, noise suppression problems due to compandors *(German)* 2−22006
click effect in electronic organs *(Spanish)* 2−2997
coaxial blocking filters for reduction of interference in TV channels *(Norwegian)* 2−24581
commutator type motors, RFII from household appliances, suppression, ccts. 2−7813
compensation conductor damping effect reduction factor calc., high voltage telecommunication interference *(German)* 2−15739
continuous tone-coded squelch system implemented in an eight-bit microcomputer 2−6462
CX noise reduction system for audio recording 2−26690
dbx noise reduction system, for Hi-Fi equipment 2−11267
DC voltmeter, A/D convertor noise suppression method *(Russian)* 2−3107
DC-DC, convertor design, noise elimination 2−14265
digital PCB testing, test fixture noise reduction method 2−3047
digital PLL, jitter suppression 2−9048
diode lasers, electronic phase-noise suppressions 2−20878
dynamic noise limiter, for use with cassette recorder 2−11270
electrical/electronic components and equipment, mag. shielding, protection against neighbouring radiating systems 2−2164
electronic equipment, interference suppressors and noise prevention measures for internally- and externally-generated effects 2−6342
electrostastic disturbances in aircrafts, protection *(Czech)* 2−12028
EM noise problems, screening, suppressors and correl. techniques 2−10525
EM noise problems and solution in power semiconductor equipment, conf., Loughborough, England (Sept. 1981) 2−8160
Hi-Fe noncomplementary noise reduction system, DNR, LM 1894 IC appl. 2−22028
High Com noise reduction system 2−16739
HVDC transmission convertor stations, valve design and testing, effects of EM interference, suppression 2−12726
information processing and display systems, noise principle and suppression techniques *(Italian)* 2−6338
mains-operated systems, transient suppression using L-C filter networks 2−10529
measuring systems, EMI suppression in solid-state expts. *(Japanese)* 2−21119
modulator-demodulator d.c. simplifier, S/N improvement using synchronous integrator 2−777
motor vehicle interference suppression, diagnosis, sources *(German)* 2−28199
moving target selection systems, intersurvey signal correlation 2−26521
narrow-band, comparative study of two adaptive algorithms 2−26132
noise filters for semiconductor device technology, operation, construction and characts. 2−6344
noise gate, for use with music mixing unit *(German)* 2−16709
noise prevention using EM interference filters, primary types and insertion losses 2−6341
noise pulse rejection cct. for positive and negative edges 2−5164
noise reduction systems review, Telefunken High-Com system 2−2978
non-complementary audio noise reduction IC 2−22010
oscillograph, stroboscopic, drift and noise suppressing attachment 2−3194
PCBs/backplanes, EMC design, common-impedance coupling, characteristic impedance control, multilayer wirewrap boards 2−5434
phased antenna arrays, interference suppression via sidelobes of antenna radiation pattern 2−15763
polarisation-vector processing to increase detection capability of a radar system 2−2816
power electronic equipment, EM interference problems, blocking of interference signals at input 2−10527
power-line, high-Q, self-tuned band-rejection filter 2−831
process instrumentation and control systems, method *(German)* 2−10521
radiation pattern nulls, steering array using microwave, digital phase-only weights 2−15735
radio noise, man-made 2−6340
radiometer output signals amplification and demodulation 2−3158
redundant binary positional number systems in data handling *(Russian)* 2−21296
RF, for thyristors 2−5741
RF spectrum improved utilisation methods *(German)* 2−11132
sidelobe canceller performance, evaluation 2−21857
switching power supplies, interference suppression techniques 2−12725
switching power supplies synchronisation using NE 567 PLL, intermodulation noise elimination 2−8969
synchronous-phase demodulator, design for noise immunity 2−785
tape recorders noise suppression systems, Sanyo Super D, Dolby C, characts. *(German)* 2−6974
thyristor phase control ccts., RFI generation and suppression 2−8985
time-variable temps. measured under strong electromagnetic interference, recording methods 2−26978
transducer output signal meas., interference origin and suppression *(German)* 2−3114
TTL high-speed logic circuits interconnections, design recommendations 2−24501
TV transposer system, automatic waveform equalizing equipment for ghost cancellation and distortion compensation 2−6925
useful signal delay meas. effect of partial suppression of interfering signal *(Russian)* 2−26125

interferometers
see also electromagnetic wave interferometers; interferometry
Josephson edge junction interferometer, fabrication 2−15245

interferometry
see also electromagnetic wave interferometry; holographic interferometry; interferometers
No entries

intermediate-frequency amplifiers
GaAs monolithic low-noise broad-band amplifier, appl. 2−19563

intermediate valence compounds *see mixed valence compounds*

intermodulation
FDMA data transmission systems, adjacent channel interference and intermodulation distortion, computer-aided anal. 2−16448
FM/FDM modulated radio carrier, simulation for interference and intermodulation calcs. 2−21732
harmonic output of a nonlinearity used to computer intermodulation products 2−15732
low-noise digital radio receiver with AGC of single-gate GaAs FET 2−2667
MESFET amplifiers, intermodulation distortion 2−24405
microwave FM links, baseband equalizer for intermodulation noise reduction 2−16350
monolithic AF amplifiers, computer-aided evaluation of transient intermodulation distortion 2−751
multicarrier performance prediction, with two-carrier measurements 2−6797
multichannel analogue TV transmission over graded-index fibres, noise, distortion and fibre length 2−11199
O-type TWT, frequency characts. of intermodulation oscillations for two- and three-signal amplification 2−20033
reduction technique in mixers 2−21134
Taylor-Fourier series coeffs. of single diode mixer, simplified method of obtaining 2−21133
third-order intermodulation due to quantization for digital processing of input consisting of strong signal and weak signal 2−2333
transient intermodulation distortion, fully in-band multitone test 2−2165
transmitter, product amplitudes 2−21135
triplexed solid-state FM broadcast transmitters, intermodulation between RF carriers 2−6900
varactor intermodulation distortion 2−19904
voice activated SCPC/FM carriers through nonlinear repeaters, effects in transmission 2−10519

intermodulation measurement
automatic distortion analyser, Tektronix (AA 501) 2−17039
microcomputer based technique, based on stochastic method 2−17113
transient intermodulation distortion meas. method, comparison with conventional method 2−25989

internal combustion engines
600-1200 kW new Caterpillar 3500 series engine 2−18046
automobiles and engines automatic testing, future trends 2−23723
automotive internal combustion engines, 3D anal. of flow and combustion 2−13781
buying used engine-generator set, checklist 2−12420
Cadillac electronic ignition control microprocessor malfunctions 2−8052
car engine testing set for general motorists 2−23722
combined heat and power appl. in automotive industry, cost effectiveness 2−8116
consumption of diesel oil in automobile engines, electronic measurement *(Hungarian)* 2−23720
crankshaft bearing reliability computer model 2−19035
diesel engine, quiescent direct injection, mixing formation anal. *(Chinese)* 2−18676
diesel engine generators, EMI level tests 2−27775
diesel engine mixed power stations and associated recuperation systems *(French)* 2−23154
diesel engine testing, non-contact sensors state of art and RCA development 2−26846
diesel engines, comparison of noise source identification techniques 2−11682
direct injection, cylindrical prechamber air velocities meas. 2−17932
electrical ceramic devices, control of internal combustion engines 2−3140
electronically controlled diesel engines, solid state needle lift sensor for precision timing control 2−28205
flow velocity rapid estimate using photon correlation laser anemometry 2−11627
fuel economy control systems 2−13048
fuel management system, microprocessor-based 2−23155
fully electronic ignition for four stroke four cylinder internal combustion engines *(German)* 2−4444
hot wire air flowmeter for engine control system 2−26839
hybrid (electric/internal combustion engine) passenger car development 2−18715
ignition and fuel injection system, microprocessor based control *(German)* 2−28197
ignition controller system, Rombic, from RCA 2−8054
ignition K580 microcomputer-based control system *(Russian)* 2−3888
ignition noise meas. using DM-4 amplitude probability distribution meter 2−26956
knock control 2−28206
liquid level gauge, using IC proximity switch TCA 205 for diesel engines 2−28203
marine diesel engine, microprocessor based oil mist detection system 2−22073
microprocessor control in automobiles 2−18730
motor vehicle computerised emission control system 2−8051
'Motronic' microprocessor controlled fuel injection, ignition timing system *(French)* 2−13046
MOTRONIC digital electronic system for integrated control of injection and ignition in Otto carburettor engines *(German)* 2−28194
piston transverse motion meas. *(German)* 2−7214
power stations for combined heat/power generation using internal combustion engines *(German)* 2−27666
pressure recording in diesel engine, thermally stable transducers *(Russian)* 2−3118
pulsated high tension pick up for high tension ignition 2−28207
regenerative dynamometer system for engine testbed 2−22210
reliable starter batteries for diesel-driven plant 2−12514
standby power generation unit internal combustion engine co-utilisation to drive heat pump plant 2−13085
Stirling engine cycle mathematical model 2−17933
subsea Stirling system 2−12416
torque measurement using noncontacting sensor 2−26838

internal combustion engines continued
vegetable oil as a diesel engine fuel 2−7748
H_2 fueled automotive vehicles, fuel cell substitution for internal combustion engines 2−7987

internal conversion in atoms *see Auger effect*

internal conversion in molecules *see nonradiative transitions*

internal friction of liquids *see viscosity of liquids*

internal mechanics, molecular *see molecular vibration*

internal modes *see molecular vibration in solids*

internal stresses
20 kV overhead power lines, dynamic stresses when throwing off ice loads *(German)* 2−3762
bulk material meas. using neutron diffr. 2−627
electric machine rotor torque distribution calc. 2−13187
garnets, ion implanted, stress profile determ. 2−15150
induction motor starting, transient torque establishment and resulting stresses for constant and variable slip *(Italian)* 2−12639
LSI stress, introduced by plastic packages, measurements with integrated strain gauges 2−14940
magnetomechanical acoustic emission, NDT internal stress meas. 2−625
measurement by NDT, review 2−13873
piezoelectric resonators, natural freq., effect of intrinsic streams in deposited thin films 2−9833
plastic encapsulated ICs, reliability tests and internal stresses 2−14941
polyalkoxysiloxane films, deposited from methyltrimethoxysilane plasma, internal stresses 2−24336
power overhead lines conductor design *(German)* 2−3764
residual stress mapping by US tomography 2−8891
residual stress meas. by US 2−8890
steel, mild, internal stress meas. using neutron diffr. 2−627
Al, plastically deformed, temp. depend. of US velocity to evaluate internal stresses 2−8893
Cu, plastically deformed, temp. depend. of US velocity to evaluate internal stresses 2−8893
Cu-V_3Ga composites, in situ prep., supercond. and mech. props. 2−9905
Fe-Ni ferritic alloys, mag. and mech. props., telephone receiver appl. 2−15152
InP-InGaAsP heterostructure, electrolum. polarization due to internal strain 2−25605
Nb_3-Sn-Nb-bronze composites, supercond. props., stress effects 2−9906
Nb_3Sn multifilamentry wires, in situ prep., high field crit. current density, mech. stresses effect 2−9904
Si polycryst. film, on SiO_2 coated substrates, zone melting recrystallised, stress enhanced carrier mobility 2−24917
SiO_2, vitreous films, deposited from methyltrimethoxysilane plasma, internal stresses 2−24336
Ta, sputtered coating on Si, interface stresses and elec. props 2−14730

interplanetary magnetic fields
see also interplanetary matter
low-energy electron magnetometer for terrestrial and aerial mag. field meas. 2−3604
solar wind magnetic fluctuations and whistler mode waves props. 2−15697

interplanetary matter
see also comets; interplanetary magnetic fields
scintillation phenomena, refractive scatt. theory 2−21068
scintillations of radio sources, anal. of obs. 2−6881

interplanetary medium *see interplanetary matter*

interpolation
see also function approximation
adaptive block/location coding of facsimile signals using subsampling and interpolation 2−21294
adaptive representation of function with a limited spectrum 2−8705
Banach space interpolation, Calderon's methods 2−19314
bicubic zero interpolation splines of nonzero angular point twisting vector estimate error *(Chinese)* 2−13685
binary tree structured transmultiplexer design 2−6682
characterisation theorem for best approximation with interpolatory constraints sufficiency half *(Chinese)* 2−13688
Chebyshev approximation with interpolation, Remez algorithm 2−24228
complex interpolation in vector-function spaces and generalization of Besov spaces *(Russian)* 2−13549
continous functionals, existence 2−13716
cubic convolution interpolation for digital image processing 2−15948
DAC in PCM transmission systems for colour TV 2−6905
exponential function interpolation, A-acceptability of rational approximations 2−8675
exponential polynomials and sums of powers, p-adic interpolation appls. 2−470
finite difference schemes in non-conservative form, energy conservation properties *(Chinese)* 2−13681
flight data frequency-domain analysis computing 2−22606
Hermite-Fejer polynomials, convergence order of interpolation *(Chinese)* 2−13677
image-data reconstruction through spline functions 2−6472
interpolated discrete Fourier transform dual-tone multifrequency receiver with phase criterion 2−6700
interpolation and best L_p local approximation 2−4934
L_p space mixed norm 2−19311
lacunary interpolation by splines *(Chinese)* 2−13683
lacunary interpolation splines, some kinds *(Chinese)* 2−13671
Lagrange, Jacobi roots and polynomials 2−482
Lagrange interpolation processes in countable sets, divergence 2−13705
local linear functionals for L-splines 2−24232
low-pass filter design error correction 2−24582
minimal and maximal methods 2−19296
modified cubic B-spline interpolation 2−26120
monotone smooth function, spline interpolation *(Chinese)* 2−13682
monotonicity properties of interpolation spaces 2−8581
near-minimax interpolation by a polynomial in z and z^{-1} on a circular annulus 2−8679
nonlinear interpolation in Banach space *(French)* 2−24225
nuclear power plants under seismic loads, dynamic anal. with finite elements 2−12355
on lacunary interpolation splines *(Chinese)* 2−13686
on stability of uniqueness classes for interpolatory problems 2−13670
one dimensional optimisation, interpolation methods 2−367
optical fibre preforms, three-dimensional refractive index profiling 2−15304

interpolation continued
periodic generating function, exact Fourier coeffs. 2−13702
plasticity, boundary element method 2−4971
plate bending finite element formulation 2−13653
polynomial zero calc., Laguerre method and its convergence 2−19304
Poreda's problem on the strong unicity constants 2−19295
programmable waveform generator using linear interpolation with multiplying D/A convertors 2−19592
rational function interpolation of the imaginary axis of the complex plane 2−659
rational trigonometric approx. 2−8702
real time interpolation schemes for D/A conversion appls. 2−14181
recording heads, resolution amplification in 3D finite element mag. field calcs. 2−20508
retarded differential equations, interpolatory error control 2−19335
Riesz's interpolation theorem, optimality in upper triangle *(Russian)* 2−458
robust regression and interpolation for time series 2−8481
rotation of a two-dimensional sampling set using one-dimensional resampling 2−15906
spectral and pseudo-spectral methods for parabolic problems with non-periodic boundary conditions 2−24229
stochastic, linear theory 2−8576
transmission system transient response, numerical calc. with natural spline functions HV transmission line appl. *(German)* 2−22876
transmultiplexer implementation, baseband analytic signal approach 2−6678
two-point boundary value problems, error estimates for collocation method 2−24258
two-variable approach/ to the model reduction problem/ with Hankel norm criterion/, all-pass rational function determ. 2−655
unified approach of interpolation formula using Taylor's formula of operational calculus *(German)* 2−8721
Walsh's theorem on interpolating polynomials, extension to rational functions 2−24244
Pt resistance thermometer calibration between 13.81K and 273.15K, interpolation methods 2−11321

interpreters (program) *see program interpreters*

interpretive programs *see program interpreters*

interstitials
GaAs:Se(S), impurity profile, implantation temp. and crystallinity depend. 2−20182
GaAs:Zn, nonequilib. substitutional-interstitial Zn diffusion, photoluminesc. study 2−9557
InP, diffusion of Cd at 680°C, p-n function formation 2−9554
Si, oxidation by O_2, model 2−14784
Si, two dimensional diffusion of self interstitials during oxidation, analytical soln. 2−24947

intersymbol interference
adaptive equaliser design for QAM system 2−2253
band-limited satellite channels, convolutional code and signal waveform design 2−2764
correlative coding scheme description by MSK with intersymbol interference 2−2285
data signal synthesis minimising intersymbol interference *(Russian)* 2−21350
data transmission systems, optimum predistortion of signals *(Russian)* 2−21349
digital FM transmission system, performance charact. 2−21431
error rate performance for 16QAM system with various degradation factors *(Japanese)* 2−19597
fading diversity channels, minimum mean square error equalisation of interference 2−6750
high-density digital recorders, tape dropouts effects on pulse compression recording 2−11530
IIR Nyquist filter with zero intersymbol interference, freq. response approximation 2−24611
minimum noise pulse slimming equaliser to reduce intersymbol interference in mag. recording 2−25430
power and bandwidth efficient JSI and jitter free transmission techniques 2−6394
troposcatter digital link performance prediction, multipath dispersion 2−10508
troposcatter high capacity digital transmission, system design constraints 2−10973
Viterbi decoding algorithm performance bounds 2−2284
Viterbi detector, microprocessor based implementation and testing 2−10627

intersystem crossing *see nonradiative transitions*

intramolecular vibrations *see molecular vibration; molecular vibration in solids*

intrinsic magnetisation *see spontaneous magnetisation*

invariance
computer network power, invariant property 2−21633

inverse Nyquist diagrams *see Nyquist diagrams*

inversion layers
gate-controlled implanted resistor, 1/f noise 2−14870
metal-p-n Schottky structure anal., inversion layer effects 2−25074
MIS inversion layer solar cells, surface recombination current 2−12860
MIS structure, depletion widths anal. 2−1251
MOS capacitor, physical characterisation of deep bulk levels by MOS conductance technique 2−25088
MOS structure, charge properties, influence of Si etching in RF Ar plasma *(Russian)* 2−1245
MOSFET, submicron, carrier vel.-elec. field relation and field distrib. 2−25248
MOSFET Nyquist noise, effect of transverse electric field 2−1384
semiconductor film, Hall and thermoelectric effects 2−1144
Al-SiO_2-Si structure, hole mobility and density of states at Si-SiO_2 interface 2−5637
Ge_3N_4-n-GaAs MIS devices, interface charact. determ. 2−14883
InAs(P)(Sb) inversion layer transport, insulator properties 2−1236
InGaAs-oxide, native grown plasma oxides and inversion layers 2−20199
InSb-based MIS struct., carrier generation processes under nonequilib. depletion conditions 2−9516
PbTe, surface space charge layer physics 2−9470
Si (100) inversion layers, determ. of valley splitting 2−14727
Si (100) MOS inversion layers, transverse and Hall conds., temp. depend. under strong mag. fields 2−14732

inversion layers continued
Si, electron transport in high mag. fields 2−14731
Si, inversion layer, velocity overshoot, hot electron submm wave cond. study 2−25085
Si inversion layer in strong mag. field, temp. depend. Hall cond., mobility edge model 2−20146
Si inversion layer MIS solar cells, electrostatic effects 2−23641
Si inversion layers, small-signal velocity overshoot obs. by broadband sub-MM wave spectroscopy 2−20152
Si MOSFET, energy loss of warm electrons at interface 2−25247
Si MOSFET, nonmetallic cond. in electron inversion layers at low temp. 2−9668
Si MOSFET, quantised Hall resist. meas. at liq. ^3He temps. 2−25242
Si, magnetoconductance and weak localisation 2−14725
Si, polycryst., high efficiency inversion layer solar cells by appl. of Si_3N_4 2−23422
Si, remote polar phonon scatt. for hot electrons 2−20149
Si-MOS n-inversion layers, Anderson localisation and negative magnetostresistance *(Japanese)* 2−14721
Si(100) inversion layer, hot electrons at low lattice temps. 2−25082

invertors
2 kW peak miniature switching-office invertor 2−28033
50 kVA PWM invertor motor drive, microprocessor controlled 2−12977
AC motor drives, 12-step current source invertor *(Korean)* 2−4289
AC variable speed drives, eddy current and variable frequency invertor, choice and appls. 2−8024
AC/DC electric motors using electronic speed controllers for variable speed drive *(French)* 2−23659
analysis of a voltage converter, with allowance for a finite input capacitance value *(Russian)* 2−28019
asynchronous motors, voltage invertor-fed, with thyristors, digital control cct. *(French)* 2−7836
auxiliary impulse commutated, bridge type, math. model 2−4302
cable oscillations in inverter application *(German)* 2−28010
capacitance-inverter braking of induction motor drives *(Russian)* 2−4388
classification of commutation methods 2−18365
CMOS invertor with stacked transistors for high density 2−9735
commutation with 6- and 12-pulsed convertor-fed synchronous motors *(German)* 2−4051
complementary current impulse commutated invertor, anal. and optimisation 2−18361
computer modelling of power supply sources for inverter motors *(Russian)* 2−28020
computer-aided design of PWM inverter systems 2−28026
constant voltage invertor driven induction motor starting current limitation 2−4183
constrained optimal pulse width modulation 2−832
control circuit of a class-A three-phase SCR inverter 2−5094
correcting feedback in autonomous voltage inverters *(Russian)* 2−4277
coupling between a photovoltaic panel and the power grid with battery storage 2−3682
current controlled invertor fed induction motor performance anal. 2−4177
current fed time sharing/ inverter for induction heating/ 2−4290
current inverter for cage rotor induction motor torque and speed control via thyristors *(German)* 2−8968
current source invertor driven induction motor flux control method 2−4180
current source invertor fed induction motor numerical speed control 2−4181
current source invertor-fed induction motor drives, performance improvement 2−18660
current source invertor-fed self-controlled asynchronous machine, fault simulation 2−12715
current-source invertor drives, 6-phase inductor motors 2−18254
d-q model for six phase induction machines 2−4188
DC power supply system with inverting substations for traction systems using regenerative brakes 2−28174
digitally-controlled DC-sinusoidal invertor for VLF transmitter appl., transistorised power module 2−18357
double epitaxial diffused diodes for power invertor ccts. 2−14839
electric car drive appl. *(Polish)* 2−27925
emergency lighting circuit efficiency improvement by separately excited single transistor invertor *(Japanese)* 2−8086
fault current control in power conditioning units using power transistors 2−12714
HV fast-switching gate assisted turn-off thyristor for HF invertor use 2−9641
immittance invertors, nullor models synthesis *(Czech)* 2−5332
induction heating systems, invertor supplied, CAD methods appl. *(German)* 2−18760
induction motor, stability, driven by current source invertor 2−7844
induction motor drive, high perform. by coordinate control using controlled current invertor 2−18656
induction motor drive, invertor-fed control charact. 2−18655
induction motor drive, performance anal. 2−4167
induction motor drive PWM invertor, microprocessor-based control system with I/O processing unit LSI 2−12759
induction motor drives, PWM invertor using gate turn-off thyristors 2−12980
induction motor propulsion system with invertor for rolling stock *(Japanese)* 2−4420
induction motors, invertor fed, disturbances produced by pulse modulated voltages, comparative quality indexes 2−12638
induction motors current invertor supplied, high frequency harmonic effects on losses and slip *(Croatian)* 2−18242
induction motors invertor fed, losses due to harmonics *(German)* 2−4115
induction watthour meter performance on rectifier/inverter circuits 2−12318
inductions motor, PWM performance anal. 2−4166
invertor driven induction motor, equivalent circuit and performance calc. 2−7849
invertor driven induction motor, PWM performance anal. 2−4168
invertor driven induction motor, PWM performance anal. 2−4169
invertor driven induction motor, PWM performance anal. 2−4170
invertor driven induction motor stability anal. and modelling 2−4175
invertor driven squirrel-cage induction motor, PWM performance anal. 2−4173
invertor fed six phase, induction motor performance anal. 2−18244
invertor fed with salient poles induction motor performance anal. 2−4191

invertors continued
invertor-fed synchronous motors with variable speed, excitation systems 2−12633
large US thyristor invertors with cutoff diodes, anal. *(Russian)* 2−23353
line-commutated invertor for residential photovoltaic power systems anal. and test 2−23521
MF invertors, system analysis for appl. to information processing *(German)* 2−28007
MHD power consolidation DC to AC invertor system, digital simulation 2−23651
microprocessor control of invertor-fed synchronous motor 2−7831
microprocessor control of PWM inverters 2−12713
microprocessor controlled transistor invertor for squirrel cage motor traction 2−13027
new neutral point clamped PWM inverter 2−4285
new static VAR control using force commutated inverters/ 2−4283
novel six-step/ and twelve-step/ current-source inverters/ with DC side commutation/ and energy rebound/ 2−4286
optimal control of commutation pulses, nonlinear optimisation technique 2−18352
optimal winding design of a permanent magnet motor for self-controlled inverter operation 2−7821
oscillating torques of inverter fed asynchronous motor with pulsating intermediate circuit current *(German)* 2−27903
parallel connection of static invertors, voltage/current control *(Spanish)* 2−13959
performance of ideal current inverter fed linear inductor motors: a theoretical study 2−27946
permanent magnet synchronous motor drive with current source invertor, steady-state anal. 2−12978
photovoltaic systems, utility interactive, depend. of delivered energy on invertor characts. 2−23519
polyphase voltage source invertor, mathematical model *(Russian)* 2−18335
power MOS transistors application and protection in inductive load switching 2−25252
power MOSFET current source invertors, microcomputer controlled 2−18358
power plants, main charact. and suppliers 2−7591
PWM, drive characts. 2−15819
PWM, three-phase, digitally-controlled, characts. 2−15820
PWM invertor, microprocessor-based controller 2−12730
PWM invertors, digital control by microcomputer, induction motor speed control appls. 2−18363
PWM power transistor invertor for AC elec. vehicle drive, computerised controlled 2−18351
PWM transistor invertor fed linear induction motors for rapid transit vehicle 2−13020
quiet electric drive for deep submergence submarines appls. 2−18662
ratio changing in pulse width modulated inverters/ 2−4287
RCMOS invertor, complementary pair MOS transistors and resistor, static and dynamic behaviour analysis *(Croatian)* 2−24401
rectifier motor, single channel control system for invertor 2−18340
regenerative voltage source inverter for dynamometer applications 2−18353
reluctance motor drive, performance anal. 2−833
rotary current propulsion with frequency inverters *(German)* 2−27863
self-commutating, lead angle control range *(Russian)* 2−12716
semiconductor converters/inverters for photovoltaic power supply 2−18348
single phase for electric current control 2−19769
single-phase stepped-wave, using 3-level PWM inverters 2−5102
small power photovoltaic systems, pilot power conditioning installation 2−18520
stand-by inverter of single phase for three-phase UPS transformer 2−27974
starpoint commutated current fed induction motor, Park vector methods 2−4176
static inverter AC drive efficiency 2−28145
static inverters, microprocessor control *(Spanish)* 2−23371
static invertors for emergency power supply 2−7912
stator voltage controlled current source inverter induction motor drive, linearised model 2−18658
switching power supplies, step up, inverting convertors, characts. *(Italian)* 2−19540
three-phase invertor for rolling-stock air conditioning *(Japanese)* 2−4291
three-phase voltage controlled invertor driven induction motor, performance anal. 2−4179
three-purpose unit of battery charger, DC/AC convertor and mains power supply *(German)* 2−8973
thyristor appl., reverse conducting *(German)* 2−687
thyristor frequency convertors, for induction heating, power cct. voltages and currents *(Czech)* 2−12709
thyristor inverter for medium frequency induction heating 2−18369
thyristor invertor for induction motor speed regulation *(Russian)* 2−27926
thyristor invertors, type PT-AVK, for induction motor drives *(Russian)* 2−28027
thyristor on/off switching characts. improvements with improved manufacturing techniques *(German)* 2−25216
thyristor transistor PWM invertor 2−18360
thyristor-based and transistor-based, comparison *(Croatian)* 2−28014
torque controller using voltage source invertor and induction machine 2−18663
traction drives for urban railways, using transistor-invertor system 2−8042
transformer rectifier-invertor with pulsewidth modulated voltage in AC cct., parameters determ. *(Russian)* 2−4299
transformerless reversible invertor/battery-charger, for application with photovoltaics 2−18345
two-way, mains-borne, current-choking optimisation *(German)* 2−28009
use of transistor inverters with three phase motors for speed regulation *(German)* 2−7915
variable fequency three phase current source inverter with prescribed current waveforms 2−18359
variable freq. invertor fed, performance anal. 2−4186
variable frequency 3-phase invertors, implementation of microcomputer for control cct. 2−12728
variable frequency induction motor, performance anal. 2−4178
variable speed induction motor drives, appls. 2−12707
variable speed thyristor converter-fed synchronous motor drive 2−8027
VMOS technology, appls. 2−25232

invertors continued
voltage and current source invertor fed induction motors, comparative study of losses 2−18256
voltage source invertor-fed machines, influence of volts/hertz control on filter impedance effects 2−18255
voltage source invertor/synchronous machine drive systems, steady-state perform. 2−18664
voltage source invertors, gate signals generation using microprocessor 2−12729
voltage source invertors for fast four-quadrant drive performance, rotating reference frame controller 2−18659
wind power plant electric control principles and system for feeding into distribution network *(German)* 2−27841

ion beam effects
see also ionoluminescence; plasma-beam interactions
CMOS RAM, soft error susceptibility, depend. on power supply voltage 2−14108
CMOS RAM cosmic-ray-induced error rate anal. 2−14105
dynamic RAM, single event upsets study in microcircuits using ion microbeam 2−14109
lithography, summary of progress, applications to IC manufacture 2−5662
magnetic bubble materials, ion implanted, strain distrib. modelling 2−1589
microprocessors and logic devices, cosmic ray induced errors 2−14151
MOS memories, soft upsets study using ion microbeam 2−24507
$MoSi_2$, contact metallurgy technique by using ion-beam mixing 2−1263
MSI devices, single-event upset study 2−14059
oxidation technique using ion beam 2−1308
piezoelectric filters, manufacture by ion bombardment under plasma *(French)* 2−25399
PMMA, ion beam exposure profiles, computer simulation 2−25117
quartz, etching techniques to overcome nonuniformity 2−20286
RAM, bipolar, prediction model in high energy ion/proton environment 2−14104
semiconductor, ion-implantation-induced defect annealing using electron and laser beams *(German)* 2−20210
semiconductor wafer anisotropic dry etching techniques, ion bombardment processes 2−14792
Au-n-GaAs Schottky barrier diodes, ion beam damage during low energy cleaning 2−24968
C, amorphous and graphitised foils, differences in stripper qualities 2−11746
C stripper foil behaviour in ^{127}I beam 2−11748
C stripper foils, radiation lifetimes and failure mechanisms 2−11745
GaAs, ion-beam-assisted dry etching, elec. characts. 2−25158
GaAs-Al Schottky diodes, effect of substrate treatments usable in MBE 2−1345
$NbSi_2$, contact metallurgy technique by using ion-beam mixing 2−1263
Si, As^+ implanted, ion beam annealing 2−24918
n-Si, deep centres introduced by Ar ion bombardment 2−14629
Si, radiation damage simulation 2−14612
Si, reactive ion beam etch rate and yield with Ar^+-Cl_2 system 2−20206
Si:As, ion implanted, radiation damage determ. by profiling oxide growth rate 2−20213
Si:B^+, single crystal, TEM and AES study of ion bombardment 2−14635
Si-Mo Schottky barrier formation, effect of ion-beam sputter damage 2−1228
SiO_2 on Si, reactive ion beam etching using fluorocarbon ions 2−15014
V_3Si, defect structures determ. by ion channelling and X-ray diffr. 2−25442
YIG epitaxial layers, Xe^+ irrad., magnetisation, Faraday rot. and FMR linewidth 2−15156

ion beam lithography
liquid metal alloy ion sources for B, Sb and Si, basic characts., fabrication technology appls. 2−20172
liquid metal ion source operation in optical column, performance anal. 2−20316
LSI, CC $GeSe_2/Ag_2Se$ resist. appl., submicron line resolution 2−20328
LSI ion-beam lithography, plasma-developed ion-implanted resists with submicron resolution, etch mask appls. 2−20331
NMOS submicrometre device fabrication using masked ion-beam lithography 2−20407
polyimide membrane masks for high-resolution ion beam lithography 2−20318
polymer resists, ion-beam sensitivity, submicron resolution, appls. 2−20327
polytetrafluoropropyl methacrylate resist., 80 nm wide line fabric. by H^+ beam exposure 2−20291
projection microlithography, submicron device fabrication, metal mask foil 2−20317
resolution, overlay, and field size for lithography systems 2−9681
review 2−25109
source performance in focusing column with large deflection fields 2−20171
submicron microfabrication, H_2^+ field ionization source, energy spreading 2−20319
technology, conf., Dallas, TX, USA (May 1981) 2−18851
VLSI mask fabrication, ion beam exposure system 2−20371
$GeSe_2$ film low-energy ion beam resists, oblique deposition, chem. reactivity and lithographic sensitivity 2−20329

ion beams
see also beam-foil spectra; beam-foil spectroscopy; ion beam effects; ion optics; mass spectrometers; particle accelerators; sputtering
accelerator facility for nuclear bombardment target prep. 2−7252
Aurora pulser, high-impedance ion-diode expt. 2−27026
beam optics design for ion implantation, overview 2−1283
charged particle beams, post acceleration systems *(Russian)* 2−22469
cyclotron heavy-ion beam sweeping apparatus for uniform irradiation of samples 2−27011
dose control technique for ion implantation 2−5678
dosimetry measurement in ion implanters 2−5673
electrostatic ellipsoidal mirror, fast separator for recoiling and highly charged particle 2−11869
electrostatic ion optics and beam transport for ion implantation 2−2091
electrostatic mass spectrometer, with time-of-flight detector 2−27004
EM scanning system for ion implantation 2−5671
heavy ion fusion, transverse emittance requirements 2−3322
high current ion implantation system, control techniques 2−1287

ion beams continued
high intensity heavy ion sources, physics, chemistry and technology aspects 2−3350
implantation dose uniformity improvement by compensated scan pattern generator 2−5680
implantation system with X-Y scanning, sweep freq. optimal, selection 2−5679
implanters, correlation between electrostatic scan pattern and local dose nonuniformities 2−5677
in-situ implantation system in ANL HVEM-tandem facility 2−7253
inertail confinement fusion using light ion beams 2−11712
inertial confinement fusion, ion beam drivers 2−11711
inertial confinement heavy ion fusion, RF linac driver 2−11713
JAERI heavy ion tandem accelerator 2−11726
laser cooling of heavy ion beams 2−7268
light ion beam injector, electrically insulated, controlled beam focusing 2−3306
magnet optics, beam transport for ion implantation processes 2−2089
microprocessor-based beam sweep control unit 2−7254
molecular ion beams from tandem accelerators 2−11701
negative ion beams of rare and radioactive isotopes for tandem accelerators 2−11773
negative-ion injectors, recuperator, expt. simulation 2−12938
particle induced X-ray emission anal. appl. to analytical problems 2−11882
PIG, cold-cathode ion source for ion implantation appl. 2−3353
plasma heating in solenoids, ion beam generation expts. 2−17222
pulse injected ions, RF quadrupole trapping 2−27012
Pulselac C inductive linear accelerator, space charge neutralised ion beam for inertial fusion 2−3324
space charge induced emittance growth of heavy ion beams for ICF 2−3323
tandem Dynamitron, intense low energy heavy ion beams 2−11771
target chamber design for industrial ion implanter 2−5675
target chambers for ion implantation using mechanical scanning 2−5672
VICKSI accelerator system, operating experience 2−11697
XTU tandem Van de Graaff accelerator, progress report 2−11725
XTU-tandem 150 kV injector operation 2−11768
^{14}C beam accel. in electrostatic accelerators 2−11769
D^- beam, high current, production by charge exchange in Na 2−27027
He^+ bunched ion beam, generation and time compression 2−11760
KrF^-, mass spectrometric study 2−11757
S, highly stripped ions prod. using dual MP tandem facility in accel-decel mode 2−11770

ion chambers *see ionisation chambers*

ion counters *see counters*

ion cyclotron resonance heating *see plasma heating*

ion cyclotron resonance spectra *see mass spectra*

ion cyclotron resonance spectroscopy *see mass spectroscopy*

ion density
atmosphere, balloon-borne meas. of small ion conc. 2−12073
He-Zn hollow cathode laser discharge, He^+ density, intensity ratio method meas. 2−15454

ion emission
see also field ion emission; secondary ion emission; thermionic ion emission
No entries

ion engines
see also aerospace propulsion; rockets
Comet Halley ion drive flyby, navigation accuracy anal. 2−17454
Comet Tempel 2, ion drive rendezvous, navigation accuracy anal. 2−17532
drives, linearized unsteady three-dimensional flow eqns. 2−22700
electron bombardment, experiences 2−22699
interplanetary Mars-Earth-Venus shuttle, flight characts. with solar powered thermionic generator 2−17531
magnetosphere modification due to Ar^+ ion injection 2−7402

ion etching *see sputter etching*

ion excited X-ray emission *see ion microprobe analysis*

ion implantation
see also semiconductor doping
2500 V 50 mm asymmetrical thyristor, fabrication 2−9644
accelerator facility for nuclear bombardment target prep. 2−7252
arbitrary mask edges, two- and three-dimensional analytical solns. for post-anneal implant profiles 2−25284
beam optics design for ion implantation, overview 2−1283
beam transport through accel. column at energies <100 kV, lens/accelerator system 2−1288
bubble device with 4 μm period, development 2−15229
CMOS, retrograde p-well for higher density 2−1449
CMOS SOS single bit RAM cell fabrication using ion implantation 2−1456
compensated scan pattern generator for implanted dose uniformity improvement 2−5680
contiguous disk ion implanted devices, performance 2−1581
contiguous disk technology for high density bubble memories 2−20543
correlation between electrostatic scan pattern and local dose nonuniformities 2−5677
deuterium implantation for contiguous bubble devices 2−1587
dose control technique for ion implantation 2−5678
dosimetry measurement in ion implanters 2−5673
duoplasmatron ion source for implantation appl. 2−7270
electrostatic ion optics and beam transport for ion implantation 2−2091
EM scanning systems 2−5671
equipment, post-implant methods for characterising doping uniformity and dose accuracy 2−5674
equipment and techniques, conf., Kingston, Ont., Canada (July 1980) 2−4564
equipment development, historical perspective and future trends 2−1282
fast target heating system 2−1285
garnet bubble film, ion implanted layer, mag. state, temp. depend. study 2−15151
garnet film, ion-implanted, mag. domain struct. 2−1560
garnet film, magnetic bubble layers, influence of implantation-induced stress gradients 2−5888
garnet films, implanted bubble, dynamics of formation of statically stable 2Π Bloch lines 2−15143
garnets, implanted, charged walls 2−9854
garnets, ion implanted, stress profile determ. 2−15150

ion implantation continued
high current ion implantation system, control techniques 2−1287
high current metal ion beam prod. for ion implantation appl. 2−3352
I^2L microprocessor chip, 16-bit, 1.25 μm min. geometry, electron-beam direct writing, ion implants, plasma etching 2−20388
III-V semiconductors, recent advances in ion implantation 2−25152
in-situ implantation system in ANL HVEM-tandem facility 2−7253
ion implantation, profiling layers with spreading resist. probe 2−14777
laser annealing initiation of ion implanted material alterations 2−2069
liquid metal alloy ion sources for B, Sb and Si, basic characts., fabrication technology appls. 2−20172
liquid metal field-emission ion sources 2−3354
low energy implant simulation using target tilt 2−5665
low temp. irradiation equipment for meas. down to 150 mK 2−3355
low-dose monitoring, C-V profiling, technique appl. 2−14775
low-dose process control monitoring using MOS capacitor-voltage profiling 2−14776
LSI, direct selective ion implantation of wafers using 100-kV ion probe system 2−20315
magnet optics, beam transport for ion implantation processes 2−2089
magnetic bubble devices, review 2−20542
magnetic bubble materials, ion implanted, strain distrib. modelling 2−1589
magnetic bubble memories, ion-implanter for 'hard' bubble elimination 2−5913
magnetic bubble memory, ion implantd, process, design and charact. 2−15230
magnetic bubble technology, mathematical model of bubbles inside ion-implanted channels 2−20529
measurements, effect on LSI and VLSI 2−1398
mechanically scanned target chamber for high beam current ion implanter 2−5681
medium current ion implant systems, manufacturing advantages for remote control 2−5667
microelectronic measurement technology, conf., San Jose, CA, USA (March 1981) 2−14946
microelectronics appl., bibliography 2−23878
microprocessor-based beam sweep control unit 2−7254
molecular ion implantation system for appl. in solar cell prep. 2−5669
MOS, self aligned polysilicon oxidation, double source-drain ion implantation technique for VLSI 2−25359
MOS and bipolar device diffusion source, appl. of ion implanted layer 2−5801
MOS capacitor, improved oxide from backsurface Ar implantation 2−1238
MOST, n-channel on sapphire, effect of B ion dose on electrophysical props. *(Russian)* 2−14878
NMOST, threshold shifting by As ion implantation prior to gate oxidation 2−1374
p-n mesa diodes, ion implanted, furnace and laser annealed, carrier effective lifetime 2−14831
PIG, cold-cathode ion source for ion implantation appl. 2−3353
PLZT ceramics, for image storage medium 2−25579
profiling layers with spreading resist. probe 2−14777
pulsed CV system for ion implantation control 2−5670
reference standard manufacture, advanced equipment design by ion implantation 2−5676
resistors, in LSI technology, resistance temp. coeff. control 2−5777
Schottky diode, ion implantation effect on current transport 2−5727
semiconductor, ion implanted, plasma annealing 2−9565
semiconductor, ion-implantation-induced defect annealing using electron and laser beams *(German)* 2−20210
semiconductor, photolum. and photolum. excitation spectroscopy characteris., review 2−9394
semiconductor characterisation uses of modulation spectroscopy, review 2−9397
semiconductor doping, implantation technique 2−1284
semiconductor processing 2−1286
semiconductor substrate, maskless ion implantation, mass-separating focused B and As ion-beam system 2−20188
semiconductor wafer defect control, gettering procedures 2−14741
semiconductor wafer ion-implantation systems, development, PR-30 machine for Bell System 2−25151
semiconductors, ion implantation radiation damage annealing by light and electron beam irrad. *(German)* 2−14790
semiconductors, laser annealing, liq. phase and solid-state epitaxial recrystallisation 2−10403
sheet resistance meas. for monitoring ion implantation equipment, use and limitations 2−14774
simultaneous deposition and ion implantation technique 2−5682
solar cells, effects of junction depth and impurity conc. 2−18497
solar cells laser-annealing, optimisation 2−18592
solid-state devices, conf., Toulouse, France (Sept. 1981) 2−23892
SOS VLSI fabrication by ion implantation, SUPREM-like 2D process simulator, field implant redistrib. 2−20426
staining ion implanted layers and angle lapping, anomalous effect 2−9555
sweep freq. optimal selection in ion implantation systems with X-Y scanning 2−5679
target chamber design for industrial ion implanter 2−5675
target chambers for ion implantation using mechanical scanning 2−5672
technology trends 2−20196
thin film synthesis by ion implantation *(Japanese)* 2−8827
variable temperature implantation and anal., medium energy facility 2−5668
VLSI, modelling and meas. of two dimensional low conc. B profiles 2−1450
wafers, gas cooling during ion implantation 2−5666
AlN film prep. by ion implantation, AES and low-energy EELS studies 2−8825
As implantation/diffusion profile in Si, sheet resist.-junction depth relationship 2−9549
B:Ai, laser recrystallised poly-Si on SiO_2 for high performance resistors 2−9242
GaAs bipolar IC technology development 2−14987
GaAs, Bridgman and LEC pulling growth methods, for FET's 2−1393
GaAs, capless annealing, for microwave devices 2−1319
GaAs, FETs, effect of materials props. on RF performance 2−1390
GaAs Hall devices, highly linear, fabricated by ion implantation 2−20221
GaAs IC fabrication, ion implantation and processing schedules 2−25364
GaAs IR waveguides, proton implanted, substrate temp. effects 2−1715
GaAs, ion implantation and low temp. epitaxial regrowth 2−5687

ion implantation continued
GaAs, ion implanted, Raman scatt. characteris. of changes induced by encapsulation and thermal annealing 2−9433
GaAs, ion implanted and laser annealed, residual damage, TEM study 2−14773
GaAs ion-implanted enhancement/depletion-type MESFET IC technology 2−20397
GaAs LSI digital IC, review 2−15012
GaAs large diameter bulk crystals for microwave device technology 2−9444
GaAs, low-dose Si ion implantation into semi-insulating LEC grown wafers, elec. props. obs. 2−5683
GaAs MESFET, ion implanted, temp. effect on low threshold voltage 2−9648
GaAs MESFET, ion implanted, excess 1/f noise depend. on gate leakage current 2−9670
GaAs MESFET, ion implanted, threshold voltages 2−25343
GaAs MESFET, super low-noise, fabrication using Si ion implantation, microwave props. at 12 GHz 2−20253
GaAs MESFET with n^+-implanted layers and self-aligned gate by dielectric life-off technology 2−25226
GaAs monolithic ICs, material props., epitaxial crystal growth, ion implantation, metallization *(German)* 2−20347
GaAs post-implant annealing, encapsulation of semiconductor with CVD Si_3N_4 to prevent decomposition 2−20200
n-GaAs, proton implanted, IR absorpt. 2−20628
n-GaAs, Raman scatt. from ion implanted carriers 2−24987
GaAs, single step selective implantation technology using proximity annealing, 10 GHz FET fabrication 2−9550
GaAs substrates, Cr, Si, Mn, and Fe distrib. after annealing with and without SiO_2 encapsulant 2−14765
GaAs, undoped semi-insulating, growth by liquid encapsulated Czochralski method 2−9421
GaAs, VPE layers, implanted and annealed, elec. and optical props. 2−24969
n-GaAs wafer, proton implanted, IR reflectivity characteris. 2−9561
GaAs:As^+, ion implanted layers, solid phase epitaxial regrowth 2−8800
GaAs:B(Si)(Se), ion implanted, stoichiometric disturbances 2−1294
GaAs:Be MESFET fabrication using maskless ion implantation 2−20271
GaAs:Cd^+, ion-doped films, elec. props. 2−14770
GaAs:Fe, impurity redistrib. on annealing, saturation density 2−1194
GaAs:Mn, heat treatment below Si_3N_4 encapsulant of Mn implant, dopant profiles and diffusion mechanism *(French)* 2−1298
GaAs:O, carrier removal using O implementation 2−14760
GaAs:Se, ion implantation, substrate orientation effects 2−14762
GaAs:Si, implanted, multiply scanned electron beam annealing 2−24955
GaAs:Si, ion implanted and annealed, carrier conc. profiles, C-V meas. techniques 2−9552
GaAs:Sn, laser implantation, impurity distrib. 2−20184
GaAs:Zn(Mg)(Si)(Se) ion-implanted homojunction solar cells, pulsed ruby laser annealing, SEM, TEM and SIMS meas. 2−18554
GaAs:Zn(Se), ion implanted, annealed, TEM study 2−14772
GaP:Mg, ion implanted, minority carrier diffusion length meas. 2−14658
GaP:N, Al^{2+} postimplantation gettering effects in p-n junctions 2−9485
Ge, amorphous, solid-phase epitaxial crystn. on Si (100) 2−8809
Ge:Al, ion implanted, annealing behaviour obs., Al conc. profiles determ. 2−24948
InAs:N_2^+ ion-implanted amorphous and crystalline prep., electrical conductivity and Hall mobility 2−5569
InP, amorphisation and low temp. recrystallisation 2−9419
InP, ion-implanted, CW laser annealing, amorphous layer recrystallisation 2−1192
InP:B(Si)(Se), ion implanted, stoichiometric disturbances 2−1294
InP:Fe, Mg(Zn), ion implanted, struct. and elec. props. 2−14761
InP:Se, ion implanted, pulsed laser annealing 2−14789
InP:Se^+, ion implanted, Rutherford backscatt. and ellipsometry 2−9560
InP:Si, capless annealing, for microwave devices 2−1319
InP:Si, ion implanted, electron pulse annealing with minimal P loss 2−14781
InSb:N_2^+ ion-implanted amorphous and crystalline film prep., electrical conductivity and Hall mobility 2−5569
$LiNbO_3$ single mode optical waveguides, fabrication by ion implantation 2−15307
Mo-Si contacts, P ion implantation effects 2−5628
S:As, through oxide As implanted, recoil O implants and O thermal redistrib. 2−1280
Si, amorphous, plasma deposited and CVD coatings, ion implantation, elec. cond. and photoluminesc. 2−20095
Si, amorphous, solar cells, materials, assessment, internal field, hole transport and lifetime 2−23429
Si, amorphous implanted, phase transitions produced by pulsed laser or electron irrad. 2−25129
Si, amorphous self ion implanted, dynamics of pulsed laser annealing, reflectivity study 2−1307
Si, As^+ implanted, ion beam annealing 2−24918
Si film, implanted, CW laser-induced solid phase epitaxy dynamics, time-resolved reflectivity meas. 2−24307
Si film on sapphire, implanted, laser annealed, dislocations, twins 2−14798
Si high-Q varactor diodes, fabrication method 2−1332
Si IMPATT diodes, fabrication techniques 2−19871
Si, implanted, amorphous, ultrashort pulse laser annealing 2−25135
Si, implanted, solute trapping after laser annealing 2−25132
Si, implanted, supersaturated alloy form. during epitaxial regrowth, substitution solubility limitations 2−25131
Si, implanted, threshold energy density for epitaxial recrystn. 2−25128
Si, ion implantation, amorphisation, lattice displacement criterion 2−25142
Si, ion implantation by N ions, Si_3N_4 form., AES and EELs studies 2−20197
Si, ion implantation damage, isothermal annealing using thermal radiation source 2−9547
Si, ion implanted, annealing in plasma of pulsed gas discharge 2−20212
Si, ion implanted, laser annealing, time-resolved Raman scatt. and transmission meas. 2−25126
Si, ion implanted, materials alterations possible with laser annealing 2−2069
Si, ion implanted, pulsed electron beam apparatus and annealing 2−9408
Si ion implanted polycryst. solar cells 2−4363
Si, ion-implanted, surface state effects on laser annealing mechanism *(Russian)* 2−1314

ion implantation continued
Si, laser annealing and crystallisation 2−2067
Si layers, CW laser annealed, EBIC contrast rel. to residual defects, X-ray, TEM, and SEM obs. 2−14752
Si, oxidation by ion implantation and laser irradiation 2−9566
Si, picosecond laser annealing 2−14797
Si, polycrystalline, resistors fabrication, O_2 implantation for temp. coeff. optimisation 2−25335
Si, radiation damage simulation 2−14612
Si, semiconductor device processing, book contrib. 2−1277
Si sheet, ion implanted thin film solar cells 2−23515
Si, single step doping technique, pulsed ion implantation 2−20193
Si solar cell, ion implanted; laser annealed, substrate heating and emitter dopant effects 2−4335
Si solar cell, junction formation by ion implantation using high-current ion beam 2−23577
Si solar cell, metal-insulator-semiconductor p-n, ion implantation doping 2−28104
Si solar cell; metal-insulator-n-p junction struct., 678 mV open circuit voltage 2−4338
Si solar cells, ion-implanted, effects of laser and electron beam annealing 2−18502
Si solar cells, laser-annealed, comparison between ion-beam and glow discharge implantation 2−18501
Si solar cells, laser-processed, effect of emitter dopant concentrations on open circuit voltage and fill factor 2−18499
Si solar cells, p-n junction, B implantation from BF_3 gas discharge source 2−12912
Si wafer, low power electron irrad. with conventional electron gun, heating effect numerical simulation 2−14618
Si:As, implanted, CW Ar laser annealing, in situ temp. meas. using opt. pyrometer 2−25138
Si:As, implanted, CW laser annealed, real-time monitoring of opt. props. 2−25136
Si:As, implanted, laser or electron beam annealed, defect form., electron beam induced current study 2−25139
Si:As, ion implanted, doping profiles and elec. activation, Rutherford backscatt. study 2−14763
Si:As, ion implanted, ellipsometric spectrum *(Chinese)* 2−14758
Si:As, ion implanted, polycrystn. film, laser irrad., elec. props. grain size, annealing effect 2−9404
Si:As, ion implanted, radiation damage, in situ ion beam annealing 2−14764
Si:As, ion implanted, radiation damage determ. by profiling oxide growth rate 2−20213
Si:As^{2+}, ion implantation, scanned electron beam annealing 2−1159
Si:As(P), polycryst. film, CW laser annealing, SiO_2, Si_3N_4 substrate material effect 2−5690
Si:As(P), polycryst. film, pulsed and CW laser annealing 2−14771
Si:Au, implantation gettering of Au, neutron activation study 2−20185
Si:B, As, short channel MOSFET and n^+-p junction diode, fabrication using ion implantation and laser annealing 2−14871
Si:B, B profiling using neutron induced reaction $^{10}B(n, \alpha)^7Li$ 2−1281
Si:B, P, ion implanted, doping profiles, implantation sequence effect 2−25148
Si:B^+, single crystal, TEM and AES study of ion bombardment 2−14635
Si:$B^+(P^+)(As^+)$, solar cells, prep. by ion implantation and pulsed laser annealing, optical and elec. characterisation 2−12862
Si:BF_2^+, amorphous, elec. activation and impurity redistribution during pulsed laser annealing 2−24921
n-Si:BF_2^+, ion implanted, plasma annealing 2−9565
Si:B(P), ion implanted, elec. props., incident ion energy depend. 2−25147
Si:Bi, furnace and laser annealed, backscatt. and channelling anal., depth distrib. 2−25107
Si:Ga, high dose implanted, thermal annealing and elec. activation 2−1297
Si:H amorphous films, H conc. and spatial distrib. 2−20191
p-Si:P, ion bombarded, doping by radiation accelerated diffusion 2−14767
Si:P film, LPCVD, polycryst., grain size and resist. 2−9407
Si:P implanted wafer, multiscanning electron beam annealing, solar cells appl. 2−14614
Si:P ion-implanted solar cells, pulsed electron beam annealing 2−23581
Si:Sn(Fe), laser implantation, impurity distrib. 2−20184
Si-insulator triple struct. fabrication by O_2 implantation and epitaxial growth 2−19421
Si-SiO_2 MOS system, As implants through SiO_2 layer, TEM, Rutherford backscatt. and device characts. study 2−20198
SiC, thin film, synthesis by ion implantation *(Japanese)* 2−8827
SiC:Al^+ implanted epitaxial diodes, cathodoluminescence characts. 2−10173
α-SiC:Al^+ LED, electroluminesc. spectra fine struct. 2−25644
SiC:B(Si)(Se), ion implanted, stoichiometric disturbances 2−1294
Si_3N_4, thin film, synthesis by ion implantation *(Japanese)* 2−8827
Si_3N_4-Si, ion beam synthesised passivating layers, XPS study 2−25154
SiO_2 and photoresists with B ion implantation, masking props. 2−25150
SiO_2 mask, lateral spread of implanted ions under mask edge, implantation angle effects, TEM obs. 2−20192
SiO_2, thin film, synthesis by ion implantation *(Japanese)* 2−8827
SiO_2-Si:B, ion implanted layers, equivalent circuit 2−25087
$(YSmGdR)_3(GaFe)_5O_{12}$ (R=Tm, Yb, Lu), single layer LPE films for 1 μm diameter bubble ion implanted contiguous disc devices 2−1564
ZnSe LEDs, fabrication by Te or S implantation 2−25643

ion lasers
electron gun, hollow cathode, for excitation of CW lasers 2−25817
laser optics, conf., Leningrad, USSR (Jan. 1980) 2−18844
metal ion CW lasers, UV-visible laser development review 2−1915
ring ion laser, nonlinear effects in generation *(Russian)* 2−10242
Ag hollow cathode CW ion laser at 4788 Å *(Chinese)* 2−10193
Ag ion UV and IR hollow-cathode laser, operating characts. 2−10197
Ar II CW laser with transverse supersonic gas circulation 2−20789
Ar II ion laser, CW, supersonic transverse gas flow 2−20831
Ar III CW laser with transverse supersonic gas circulation 2−20789
Ar ion laser, active mode locking by acousto-optic AM modulation *(Chinese)* 2−6133
Ar ion laser coagulation of dermal lesions 2−17412
Ar ion laser therapeutic appls. 2−7342
Ar laser, highly stable acousto-optic mode-locking using active feedback 2−6161
Ar lasers in ophthalmic surgery 2−7341
Ar, medical laser devices, applications and status 2−11957

ion lasers continued
Ar^+ laser, active mode-locking using temp. compensated acousto-optic modulator *(Chinese)* 2−15436
Ar^+ laser, actively mode-locked, charact. obs. using scanning interferometer *(Chinese)* 2−10192
Ar^+ laser, optical pumping of $^7Li_2$ laser transitions 2−6151
Ar^+ laser, passive mode locking using rhodamine 110 dye saturable absorber, optical bistability 2−15432
Ar^+ lasers with glass envelopes, expt. study of props. *(Chinese)* 2−25680
Ar^+, pulsed laser, performance and fabrication 2−20792
Au ion UV and IR hollow-cathode laser, operating charact. 2−10197
Cu II hollow cathode laser charact. 2−10226
Cu ion UV and IR hollow-cathode laser, operating charact. 2−10197
CuII UV laser optimisation 2−10198
He-Cd laser, longevity problem investigation 2−15456
He-Cd laser operation in nonuniform mag. field *(Chinese)* 2−10194
$He\text{-}Cd^+$ laser discharge, positive column, excitation mechanism of $Cd(II)5s^2\ ^2D_{5/2}$ state 2−1858
He-Zn hollow cathode laser discharge, He^+ density, intensity ratio method meas. 2−15454
Hg_1 electron beam pumped CW, charact. 2−25670
Kr^+ laser, optical pumping of $^7Li_2$ laser transitions 2−6151
$Ne\text{-}Cd^+$ laser discharge, positive column, excitation mechanism of $Cd(II)5s^2\ ^2D_{5/2}$ state 2−1858
Xe small bore pulsed laser, output and threshold parameters *(Chinese)* 2−15445

ion lenses *see lenses*

ion lithography *see ion beam lithography*

ion microprobe analysers *see ion microprobe analysis*

ion microprobe analysis
cyclotron heavy-ion beam sweeping apparatus for uniform irradiation of samples 2−27011
external beam proton microprobe, for materials anal. 2−27007
Heidelberg proton microprobe using 6 MV tandem Van de Graaff accelerator 2−11702
particle induced X-ray emission anal. appl. to analytical problems 2−11882
SIMS beam optics 2−2082
H^+ microprobe beam line, with supercond. final lens, for Van de Graaff accelerator 2−27006
Si, oxidation by O_2, model 2−14784

ion microscopes
see also field emission ion microscopes; ion microscopy
No entries

ion microscopy
see also field emission ion microscopy; ion microscopes
No entries

ion mobility
see also ionic conduction in solids
excited membranes, exptl. meas. of ionic permeability, electronic and computing subsystems *(Russian)* 2−27167
hexafluorobenzene, liquid, fast migrating negative species study using pulse radiolysis 2−1474
SF_6, liquid, drift of radiation-induced charge carriers 2−1469

ion optics
see also ion beams; ion microscopes; mass spectrometers
arithmetic algorithm for ion extraction from collisionless plasma 2−2090
beam optics design for ion implantation, overview 2−1283
beam transport magnet optics for ion implantation processes 2−2089
broad-range particle spectrograph 2−3428
electric RF multipole fields, fundamentals 2−21034
electrostatic ellipsoidal mirror, fast separator for recoiling and highly charged particle 2−11869
electrostatic ion optics and beam transport for ion implantation 2−2091
EM isotope separator ion optics 2−2083
extraction optics, slot end effect 2−11761
ion implantation equipment and techniques, conf., Kingston, Ont., Canada (July 1980) 2−4564
isotope separators with variable resolving power 2−2084
JAERI magnetic spectrograph design for heavy-ion reaction studies 2−3430
magnetic reaction particle spectrograph, kinematic effect on charact . 2−3429
magnetic spectrograph ion-optical system, induced aberrations optimisation 2−3431
mass spectrometer using mag. and elec. sector fields 2−3433
mass spectrometer with variable dispersion and simultaneous detection 2−3434
multiple aperture ion source, ion optics improvement 2−11764
quadrupole lenses elec. rotation 2−6303
sector magnet, second order image aberration meas. 2−3317
SIMS beam optics 2−2082
tandem accelerator straight field tube, field pattern choice and optical charact. 2−11738
Van de Graaff accelerator, bremsstrahlung charact. and particle trajectories in inclined field tubes 2−11736

ion plating
selective plating and etching using resistive heating for metal lines on chips 2−1302
ZnTe layers on Si, growth by solid-state reactions of Zn and Te layers prep. by ion beam evap., junction props. *(Japanese)* 2−8834

ion probe analysers *see ion microprobe analysis*

ion probe microanalysis *see ion microprobe analysis*

ion pumps
gas laser operation, vacuum technology 2−20922
space chambers, small, vac. pumping systems *(Japanese)* 2−27240

ion recombination
time-dependent geminate recomb. 2−1146

ion scattering *see ion mobility*

ion sources
see also ion emission
accelerator facility for nuclear bombardment target prep. 2−7252
alkali atom optical pumping process and polarised alkali ion sources 2−3348
Aurora pulser, high-impedance ion-diode expt. 2−27026
controlled corona ion source for electrophotography 2−10411
cyclotron appl., temporal stability increase 2−11758

ion sources continued
duoplasmatron emittance improvement by press. reduction in expansion cup *(French)* 2−3346
duoplasmatron for multiple charged ions *(Chinese)* 2−22473
duoplasmatron ion source for implantation appl. 2−7270
ELSIRE, reflex ion source for singly charged heavy ions 2−3351
explosive-emmision plasma, ion acceleration 2−3361
extraction optics, slot end effect 2−11761
field ion source with three-electrode gun, for field mass spectrometry 2−3441
HF sputter type, modified, charact. 2−3357
high current metal ion beam prod. for ion implantation appl. 2−3352
high intensity heavy ion sources, physics, chemistry and technology aspects 2−3350
hollow cathode discharge as a plasma source for H^- production 2−9349
implementation equipment and techniques, conf., Kingston, Ont., Canada (July 1980) 2−4564
ISOL facility, ion-source-U target system 2−11752
light ion beam injector, electrically insulated, controlled beam focusing 2−3306
liquid metal field-emission ion sources 2−3354
liquid metal ion sources charact. 2−1286
mass spectrometry, transuranic elements microquantitative isotropic analysis 2−3442
MISS-4, miniature sputter ion source for tandem accelerator 2−11777
molecular ion implantation system for appl. in solar cell prep. 2−5669
monopolar ions production by travelling wave corona discharge 2−10439
multicusp H ion source, effect of magnetic filter 2−11763
multiple aperture ion source, ion optics improvement 2−11764
Munich MP-tandem accelerator improvements 2−11729
negative ion beams of rare and radioactive isotopes for tandem accelerators 2−11773
negative ion sputter source for radioactive dating project 2−11775
negative sputter ion sources performance, theoretical anal. 2−11774
Penning source, design and operating characteristics *(Bulgarian)* 2−11750
PIG, cold-cathode ion source for ion implantation appl. 2−3353
plasma heating in solenoids, ion beam generation expts. 2−17222
polarised negative ion sources, review 2−11772
proton beam injector, 1A current, 100 keV energy 2−11766
pulsed ion source with cryogenic anode 2−17219
Pulselac C inductive linear accelerator, space charge neutralised ion beam for inertial fusion 2−3324
SNICS, surface ionisation sputter-type ion sources, sputter cathode enhanced axial erosion 2−11776
sputter negative ion source, XTU-tandem 150 kV injector operation 2−11768
sputter source modifications for MP Tandem 2−3362
Stony Brook FN tandem operation 2−11730
tandem Dynamitron, intense low energy heavy ion beams 2−11771
Texas A&M cyclotron polarised ion source 2−22470
^{14}C beam accel. in electrostatic accelerators 2−11769
D^- beam, high current, production by charge exchange in Na 2−27027
Ga, liq., positive ion source, mass transport 2−3358
H^- polarised ions production by electron transfer from atoms 2−17221
H^+ polarised source, optically pumped, electron spin depolarisation 2−11754
He gas-jet coupled ion source for ISOL on-line mass separator 2−11767
He^+ bunched ion beam, generation and time compression 2−11760
KrF^-, mass spectrometric study 2−11757
Na target for negative ion injector 2−11765
^{23}Na, nuclear spin polarised beam prod. using optical pumping 2−17230
S, highly stripped ions prod. using dual MP tandem facility in accel-decel mode 2−11770

ion thrustors *see ion engines*

ionic conduction in solids
see also superionic conducting materials
electrode materials for high-temp. solid electrolyte fuel cells 2−12835
NASICON, ceramic solid electrolyte *(Polish)* 2−13858
polyethylene terephthalate ionic cond., steady-state sublinear DC cond. due to neutralisation of mobile ions 2−5863
quartz filled bisphenol epoxy HV DC insulation, effects of quartz fillers 2−5867
$Li/LiI/I_2$ (PVP) pacemaker battery, solid electrolyte role 2−12794
LiAl composite electrodes in solid state battery 2−18415
V_6O_{13}, composite electrodes in solid state battery 2−18415
ZrO_2 thin films for solid electrolyte fuel cells by RF sputtering 2−12836
ZrO_2, Y_2O_3 stabilized, complex impedance anal. for development of O_2 sensor 2−11457

ionic conductivity in solids *see ionic conduction in solids*

ionic thermocurrents *see thermally stimulated currents*

ionisation
see also field ionisation; ion recombination; ionisation of atoms; ionisation of gases; ionisation of liquids; ionisation of solids; photoionisation; surface ionisation
No entries

ionisation chambers
A-150 walled, sensitivity to air humidity 2−3403
air-equivalent, for absolute meas. of exposure 2−17261
avalanche chamber, multistep, performance rel. to counter gas composition *(Chinese)* 2−22493
Bragg-curve spectroscopy detector 2−27041
BWR, neutron flux distrib. analyser, operational testing *(German)* 2−11842
collection efficiency determ., use of a Victoreen 500 electrometer 2−22488
cryogenic ionization chamber for high-resolution fission cross-section measurements 2−11794
cylindrical ion chamber for neutron dosimetry, charact., book contrib. 2−17271
dose meas. with ionisation chambers in phantom irradiated by neutron beams 2−11832
drift chamber, gas mixture control system in Axial Field Spectrometer 2−11790
effective meas. point for in-phantom meas. with photons 2−11830
fast neutron beam dosimetry physics group experiences in USA, book contrib. 2−17441
fast neutron dosimetry, ionisation chambers charact., book contrib. 2−17266
fast neutron dosimetry, nonhydrogenous ionisation chamber appl. 2−11839

ionisation chambers continued
graphite ionisation chambers, ionisation error due to porosity 2−11837
gridded ionisation chamber, secondary scintillation study 2−22483
high-energy electrons, dose estimation using ionisation chambers *(Czech)* 2−11816
ion chamber for neutron dosimetry, book 2−13143
ion chambers for photon dosimetry, minimum operational requirements, book contrib. 2−17262
kerma determ. with ion chambers 2−11825
kerma determination ion chamber, charact. book contrib. 2−17264
KT ion chamber charact., book contrib. 2−17263
liquid, free-carrier yields of radiation induced cond. in liquefied rare gases 2−3418
low ionisation current meas., dosimetric problem 2−11824
methane-CO_2-N_2, tissue-equivalent gas mixture, W_n values computation 2−11829
mixed-field dosimetry, uncertinty anal. 2−11834
multisegmented ion chamber for CT scanner dosimetry 2−3520
multistep avalanche chamber, design, building and testing *(Chinese)* 2−22495
multiwire chambers, filament tension meas. device 2−11630
multiwire chambers, filament tension meas. device 2−17136
MWPC monitoring, task transfer to microprocessor 2−17278
neutron dosimetry, experience with ionisation chamber by ECNEU group, book contrib. 2−17442
neutron dosimetry, ion chambers effective measuring position 2−11831
neutron dosimetry with ionisation chambers, cavity theory and its practical implications 2−17277
non-hydrogenous detectors, relative neutron sensitivity 2−11835
NRPB ion chamber for neutron dosimetry appl., charact., book contrib. 2−17269
parallel plate avalanche counter, fission fragments detection 2−11802
particle position meas. 2−11783
particle trajectories electrostatic imaging 2−27071
position sensitive parallel plate avalanche counter for minimum ionising particle detection 2−7275
spherical ion chamber IC-17A for neutron dosimetry, charact., book contrib. 2−17268
stopping power in ionisation chamber meas. interpretation 2−11827
TE ion chamber, thimble type, dosimetry appl., book contrib. 2−17265
TE ion chamber, tube length at gas exhaust port, influence on response, book contrib. 2−17275
TE ion chamber meas. for neutron dosimetry, interpretation and corrections and book contrib. 2−17272
TE ion chambers model IC-17 for dose meas., calibration constancy 2−17273
TE ionisation chambers, displacement correction factor 2−11833
thimble ionisation chamber for neutron dosimetry appl., charact., book contrib. 2−17267
tissue equivalent plastic ionisation chambers, response charact. in photon and neutron fields, book contrib. 2−17274
tissue-equivalent ionisation chambers, performance tests 2−17276
TNO spherical tissue equivalent ion chamber for neutron dosimetry, charact., book contrib. 2−17270
UV and X-ray photons detection, coordinate gas detector with HF field 2−3393
W-values relevant for neutron dosimetry 2−11828
n-γ dose meas. in water phantom for 18.4 MeV neutrons 2−11836
^{3}He spectrometer calibration and neutron spectrum meas. from Am/Li source 2−11872
Mg-Ar ion chamber sensitivity to high energy neutrons 2−11838
^{235}U mass meas. in large vol. multiplated fission ionisation chamber 2−22481

ionisation gauges
nonlinearity at upper limit of measured press. 2−11473
radioisotopic ionisation pressure gauge, for 650-1.7×10^5 Pa range 2−16939
triode and Bayard-Alpert types, long term behaviour 2−11661

ionisation of atoms
probability measurement with MWPC 2−11798
H^- polarised ions production by electron transfer from atoms 2−17221

ionisation of gases
see also atmospheric ionisation; electron avalanches; Townsend discharge
methane-CO_2-N_2, tissue-equivalent gas mixture, W_n values computation 2−11829
monopolar ions production by travelling wave corona discharge for electrostatic precipitators 2−10439
olefin vapours, mono- and cyclo-, electrical ionization and breakdown 2−25373
soil, electrical breakdown props., air ionisation effect, following EM pulse 2−25370
W-values relevant for neutron dosimetry 2−11828
Ar, electron swarm parameters 2−14551
Kr, electron swarm parameters 2−14551

ionisation of liquids
Ar, free-carrier yields of radiation induced cond. in liquefied rare gases 2−3418

ionisation of solids
SiO_2 ionisation by heavy charged particles in MOSFET devices 2−14858

ionisation time *see ionisation*

ionogen *see electrolytes*

ionoluminescence
semiconductor, variable-gap, nucl. radiation detection, energy and range determ. 2−27060

ionosondes *see ionospheric measuring apparatus*

ionospheric electromagnetic wave propagation
see also atmospherics
amateur radio propagation modes in Japan, ionosphere transmission, transequatorial propag., irregularities *(Japanese)* 2−16337
anisotropic ionosphere with arbitrary geomagnetic field 2−6337
antipodean focus of decametre waves, interference interpretation 2−2127
artificial discontinuity excitation of HF radiation with oblique beam radiowave scatt. *(Russian)* 2−25958
atmospherics, dispersive propagation in land and sea-ionosphere waveguide 2−15709
auroral absorption events correl. with ionosphere electron content enhancement 2−15692
auroral electron precipitation, appl. of Ramfjordmoen partial refl. expt. 2−15706

ionospheric electromagnetic wave propagation continued
auroral ionosphere, radar waves incoherent scatt. 2−7431
auroral plasma stimulation by high power pulsed HF radiowave transmitting system 2−15696
blackout of ionogram traces, occurrence rel. to max. plasma freq. 2−15708
D-region radar reflection properties and structure 2−25943
daytime ionospheric drift meas. during sporadic E over Ahmedabad, India 2−2126
decametric long path propag. at 10 MHz, adiabatic method analysis 2−2133
decametric waves close to F_2 MUF during oblique propag. 2−2132
E-layer critical frequency prediction 2−10467
E-region, polar, elevated electron temps. determ. from radar incoherent scatt. obs. 2−10481
E-region, radar echoes interpretation from 100 km using phased antenna array 2−15703
electrojet, equatorial, magnetic storm time elec. field changes, VHF backscatter fr-om plasma irregularities 2−6327
ELF atmospherics, distrib. function for ELF noise 2−21118
ELF/VLF wave propagation on auroral electrojet modulation wave generation 2−21098
equatorial anomaly, total electron content, lunar oscills. from VHF Faraday rot. obs. 2−2142
F_2-layer infrasonic oscills. assoc. with thunderstorms, detect. by HF radar obs. 2−10482
F-region, critical freq. and peak height, comparison of CCIR predictions and obs. over Brazil 2−10499
gyroechoes in presence of sporadic-E layer, mechanism and charact. 2−15704
HF ducts in auroral zone 2−2134
HF propagation prediction using F-layer critical frequencies observed with Ionosphere Sounding Satellite-b *(Japanese)* 2−25955
HF radio noise from ground-based emitters, DMSP satellite measurements 2−26005
HF reflected from F-region and ground used to study electrojet 2−2141
LF EM oscillations generation by field of powerful radiowave in ionosphere 2−21104
LF waves at oblique incidence, ionosphere refl. height determ., use of AM transmitters 2−21090
long-distance path HF propagation, daily variations, USSR to Cuba 2−15691
long-distance radio paths, normal-wave method appl. 2−21105
lower ionosphere, variation of parameters under action of high-power radio emission 2−25951
MF absorption at low latitude, seasonal and solar control 2−21095
microwave equatorial scintillation intensity during solar maximum 2−10498
midlatitude MF and HF absorption winter anomaly, geomag. control 2−21099
nonlinear effects caused by two VHF pulses *(Russian)* 2−25957
plasmapause electron precipitation induced by VLF noise bursts 2−10479
radio Doppler shift in horizontally homogeneous ionosphere 2−2131
radio location, spatial dual-freq. systems, residual errors 2−6321
radio waves, model of partially scattered field with completely displaced spectrum 2−2128
radiowave partial reflections, amplitude statistics 2−25949
radiowave propagation analagous to microwave propagation in laboratory plasma 2−10501
radiowave propagation in ionosphere, freq. dispersion during transmission and refl., review of theoretical studies 2−10477
radiowave refraction by man-made ionospheric disturbances 2−25952
radiowave scintillation, freq. depend. appl. to electron density irregularities estimation 2−25941
radiowaves, conf., Po uoli, Italy (October 1980) 2−15715
radiowaves, field-aligned ionization scatter geometry applied to transequatorial paths 2−15712
radiowaves, ionospheric propag., inverse scattering theory 2−10507
radiowaves in layer with strongly extended random inhomogeneities, statistical charact. 2−25953
ray trajectories of EM modes radiation from inhomogeneous magnetoplasma, theory 2−10516
RF signals, scintillations associated with geomagnetic storm (22 March 1979) *(Japanese)* 2−25954
rocket effluent effects assessment 2−6329
scattering by equatorial and high latitude waves and irregularities 2−15695
scintillation modelling, review 2−12072
scintillation phenomena, refractive scatt. theory 2−21068
SHF Earth-space path in Kuwait, power spectrum of ionospheric scintillation 2−21107
SHF radioauroral pulsation excitation during substorms assoc. with Pi C 2−6328
solar power satellites, environmental effects on upper atmosphere 2−27827
standing radiowave, transitional plasma processes 2−2130
SW radio signal propag. in horizontally homogeneous/inhomogeneous ionospheric layers, dead-zone range, max. usable freq. 2−15711
transequatorial VHF propagation paths through discrete plasma bubbles 2−2143
transionospheric VHF and UHF scintillation spectra 2−15707
VHF backscatter from sporadic E-layer over Central Europe 2−21091
VHF scintillations due to F-region irregularities during nighttime 2−10484
VHF scintillations obs. at Natal, Brazil 2−10483
VHF transionospheric equatorial scintillation rel. to spread F occurrence 2−6325
VHF/UHF and L-band satellite signal scintillation at Guam 2−10495
VLF hiss and whistlers, mechanisms, obs. at Srinagar 2−21097
VLF propagation, nighttime group delaytime difference depend. on azimuth, atmospherics anal. 2−21096
VLF propagation and radio noise used to study Forbush decrease effect on ionosphere 2−15685
VLF wave-particle interactions, Exos-B satellite-Siple Station expts. *(Japanese)* 2−3593
wave duct excitation mechanism 2−2129
whistlers, medium latitude, propag. charact., direction finding obs. 2−15694
whistlers at low latitude, propag. mechanism, goniometric direction finding obs. 2−10478

ionospheric measuring apparatus
ionosonde produced by Radio Research Labs., Japan *(Japanese)* 2−27274
particle beam interaction expts. carried by Space Shuttle (SEPAC) 2−12079
ionospheric measuring instruments *see ionospheric measuring apparatus*
ionospheric propagation *see ionospheric electromagnetic wave propagation*
ionospheric techniques
see also ion density
adiabatic method for analysis of decametric long path propag. at 10 MHz 2−2133
auroral electron precipitation, appl. of Ramfjordmoen partial refl. expt. 2−15706
cosmic ray electron scintillation detector, calibration procedure 2−7422
directional ionosonde system 2−17562
E-region, radar echoes interpretation from 100 km using phased antenna array 2−15703
particle beam interaction expts. carried by Space Shuttle (SEPAC) 2−12079
positive ion temperature meas. by K-9M-67 sounding rocket, expt. method and result *(Japanese)* 2−7430
radar sounding, anal. of radar waves incoherent scatt. in auroral ionosphere 2−7431
scintillation modelling, review 2−12072
triple probe method for plasma parameter display in spacecraft condition 2−17563
ionotophoresis *see electrophoresis*
i.r. astronomy *see infrared astronomy*
i.r. detectors *see infrared detectors*
IR drop *see electric potential*
i.r. imaging *see infrared imaging*
i.r. sources *see infrared sources*
i.r. spectra *see infrared spectra of inorganic solids; infrared spectra of organic molecules and substances; infrared spectra of polyatomic inorganic molecules*
irasers *see lasers*
iron phosphate semiconductor glasses *see amorphous semiconductors*
irradiation effects *see radiation effects*
Ising model
No entries
island-like metallic thin films *see discontinuous metallic thin films*
islet-like metallic thin films *see discontinuous metallic thin films*
isolators, microwave *see microwave isolators*
isotope detection
see also mass spectra
actinide nuclides meas. in water samples from nuclear power plant primary cct. 2−12090
electrostatic on-line collection system 2−10435
gas-jet coupled ISOL facility development with ^{252}Cf spontaneous fission source 2−11767
ISOTRACE facility using Tandetron accelerator 2−11881
mass spectroscopic methods using tandem accelerator for rare isotope detec tion and dating 2−11880
$^{14}C/^{12}C$ dating facility using MP tandem accelerator 2−11700
isotope exchanges
optical fibre preforms, OH ion reduction by isotope exchange 2−25505
OH→OD exchange process, reduction of losses in optical fibres 2−25493
isotope separation
see also isotope exchanges; laser isotope separation
EM separator ion optics 2−2083
gas-jet coupled ISOL facility development with ^{252}Cf spontaneous fission source 2−11767
laser research and applications, review *(French)* 2−15428
mass separators with variable resolving power 2−2084
isotope shifts
see also atomic spectra
No entries
isotopic generators *see radioactive sources*
iterated switching networks
No entries
iteration methods *see iterative methods*
iterative methods
see also predictor-corrector methods
aggregation algorithm for unconstrained optimisation problems 2−8637
altman's contractors and Matkowski's fixed point theorem 2−19072
boundary value problems, solution 2−24261
collocation methods for two dimensional weakly singular integral equations 2−8780
communication network traffic anal. by one moment iterative method *(Croatian)* 2−21403
compressible flow patterns, streamline coordinates use in numerical soln. 2−8774
continuation methods, class, steplength algorithms 2−8717
convergence of method for system Ax+y=x, using aggregation 2−19325
convex programming, iterative regularisation of third order minimisation method 2−24215
correction algorithms for digital meas. instruments 2−16759
coupled nonlinear ordinary differential equations, finite difference algorithm 2−13752
design of decentralised load-frequency regulators for interconnected power systems 2−22845
diakoptic iterative method for anal. of complex ccts. *(Czech)* 2−13917
differential equation conditional stability and dimensionality 2−13753
discrete linear L_p approximation algorithm 2−24237
discrete realizations of continuous analogs of iterative processes and their application *(Russian)* 2−491
discrete sequency-order Walsh functions *(Chinese)* 2−13800
domains construction with all solutions, extreme solutions existence 2−8760
efficient constrained power flow technique based on active-reactive decoupling and the use of linear programming 2−22881
eigenvector determination by iterative optical methods 2−10707
EM fields, 3-D, numerical solns., singularity/integral eqn. method 2−15601
EM wave scatt. by inhomogeneous fixed obstacles, theoretical study 2−2107
empirical statistical spectral analysis procedures 2−26144
iterative methods continued
error correction of digital instruments, using additive-multiplicative iterative algorithm 2−16755
flow through hydraulic turbine draught tubes, equations and iterative calc. procedure for case of turbine shut-down *(Croatian)* 2−7749
Fredholm integral eqn. of second kind, iterated projection soln. 2−8778
functional representation of convergent series *(French)* 2−4922
generalised extended to the limit sparse factorisation techniques 2−8737
generalised inverse, definition and program 2−167
global quadratic algorithm for solving a system of mixed equalities and inequalities 2−4908
hot carrier cond., transient regime, Monte Carlo and Boltzmann eqn. iterative solns. 2−24940
III-V semiconductors, carrier velocities, time depend., Boltzmann eqn., iterative soln. 2−24979
IIR sample-rate alteration filter design method 2−5299
image enhancement, combination of iterative projection method of restoration with adaptive noise reduction, fixed S/N ratio filter 2−2389
input output relations, solutions *(Czech)* 2−19271
interval boxes of solutions of nonlinear systems/ 2−489
interval convex programming, iterative row action method 2−390
irreducible diagonally dominant, matrix AOR method convergence 2−435
iterated forcing and changing cofinalities 2−13525
iterated logarithm for Lipschitz random variables, appl. to empirical charact. function *(French)* 2−4764
krylov subspace methods for solving large unsymmetric linear systems 2−436
Laplace equation boundary problem solving for finite element mesh generation *(Chinese)* 2−13723
large-scale system estimation, using decentralised sequential observer with iterative prediction *(Japanese)* 2−17625
linear algebraic equation soln. surplus numbering systems *(Russian)* 2−19326
linear matrix equations, quadratic convergence method *(Italian)* 2−486
LSI circuit topological segment connections *(German)* 2−13903
magnetic circuits, anisotropic and nonlinear, finite element analysis 2−21061
matrix inverse approximation, iterative refinement, ALGOL procedures 2−24249
matrix sparsity algorithm 2−19318
METEOSAT image deformation problem solution, horizon extraction from image data and orbit information 2−27277
modification method for solution of piecewise-linear equations *(Russian)* 2−19327
multiconductor transmission-line parameters determ. in freq. domain, iterative method 2−8952
multigrid method for parabolic initial value problem 2−19337
Neta's family of three-step solution methods of order 7 2−13715
Newton's method with step adjustment for degenerate minimization problems *(Russian)* 2−377
Newton's process, convergence 2−4924
non-linear potential problems, boundary integral eqn. soln. 2−24270
nonlinear elliptic boundary value problems, normalised implicit methods 2−499
nonlinear equations, numerical method of least squares solution method *(Italian)* 2−490
nonlinear integral eqns. soln. using iterative method with regularity constraints *(French)* 2−19384
nonlinear integral equation, iterative method convergence, convergence rate 2−539
nonlinear multigrid method, error anal. 2−4970
nonlinear pipe network equations, iterative method appl. *(Chinese)* 2−19317
numerical soln. of Navier Stokes equations *(Russian)* 2−501
on the regularity of difference schemes 2−8722
open tandem queueing systems with blocking, anal. 2−4732
permanent magnets, anisotropic, force anal. 2−15104
piecewise boundary iteration technique applied to load flow/ 2−3736
polynomials iteration and transcendental entire functions 2−471
polyphase synchronous permanent magnet motor performance anal. 2−12626
potential relaxation for field problems with open boundaries 2−21021
power system, steady state regimes, anal. *(Russian)* 2−3702
power systems, large scale, dynamic behaviour anal. 2−3684
projected Lagrangian algorithm for nonlinear l_1 optimization 2−19289
quad-pair symmetrical cable circuits operating capacitance calc. *(Russian)* 2−27445
Rayleigh quotient iteration, general 2−8711
reactive power compensation by a linear programming technique 2−17626
reciprocal iterative algorithm, theoretical anal. *(Chinese)* 2−13690
rectangular waveguide, loaded with semiconducting post, microwave elec. field distrib., integral equation method 2−10541
regularisation for equations of the spectrum 2−19388
resistance voltage divider, HV electrode design by iterative procedure 2−7174
self adjoint operators, eigenvalue and eigenvector determ. 2−19316
self-assembly of graphs with cycles, loops, multiple edges 2−19229
singular integral equations, solution by refining iterations 2−13798
sparse variable metric optimization method applied to the solution of power system problems 2−22883
stochastic iterative algorithms, nonasymptotic estimates of convergence rate 2−4884
Taylor's series approximation method using dynamic programming 2−19267
third order method modifications 2−453
tomographic image reconstruction from limited projections/ using coherent optical feedback/ 2−2369
transcendental equations solving, parallel secant method *(Chinese)* 2−13648
turbine-generator, steady state operation, finite element anal. 2−18167
unsteady flow computations, cyclic matrices appl. 2−494
$Bi_{12}SiO_{20}$ optical image convertor, effect of electron-hole recomb. on performance 2−22159
$Ga_xIn_{1-x}As_yP_{1-y}$ electron Hall mobility calc. with two longitudinal optic phonon model 2−9417
Ge:Ga, far IR and sub-MM detector, spectral response from blackbody meas. 2−11487

iterative switching networks *see iterated switching networks*
itinerant model of magnetism *see band model of magnetism*
IV-VI semiconductors
basic properties, evolving perspectives and unifying characts. 2−9468
defect states, optical and magneto-optical meas. 2−9469
epitaxial thin film IR detectors, device performance and basic material props. 2−10154
IR detector materials, conf., Washington, DC, USA (April 1981) 2−8137
magnetoresistance strong and weak-field effects 2−9471
$Pb_{1-x}Sn_xSe$ heterostructure for injection lasers 2−25799
$Cd_xHg_{1-x}Te$ p-n junction IR photovoltaic detectors, elec. props. 2−15406
GeS, SCL currents, layer thickness depend., static current-voltage characts. meas. 2−20115
GeTe, low temp. elec. resist. and Debye temp. 2−9473
GeTe, thermoelec. hole spectrum model of transport props. 2−14667
Pb chalcogenide layers and their solid solutions, controllable epitaxial growth 2−563
Pb salt epitaxial film, photovoltaic diode IR detector, modified hot wall technique prep. 2−10155
$Pb\text{-}PbS_{0.5}Se_{0.5}$ photodiode detector, improved performance from Cl incorporation at interface 2−10156
$Pb_{1-x}Ge_xTe$ injection laser fabrication 2−10299
PbS abrupt p-n junction, R_0A product, dopant conc. effect 2−14681
PbS crystals, connection between elec. and deform. characts. 2−1207
PbS crystals, growth from interacting colloids in gels 2−4982
PbS, high field resistivity, at 1.4K, Kondo-Toyozawa theory 2−24966
PbS, monocrystalline, negative magnetoresistance effects 2−9462
PbS photosensitive films for thermophotovoltaic appl., dip-dry process for prep. 2−18495
PbS, photovoltaic detector, R_0A product temp. depend. 2−10141
PbSe abrupt p-n junction, R_0A product, dopant conc. effect 2−14681
PbSe films, evaporated, structural defects and photosensitivity 2−25033
PbSe, photovoltaic detector, R_0A product temp. depend. 2−10141
$(PbSe)_{1-x}(SnTe)_x$:In solid soln., elec. props. 2−5595
$Pb_{1-x}Sn_xSe$ DH laser, CW operation at 80K 2−1961
$Pb_{1-x}Sn_xSe$ photovoltaic detectors, minority carrier lifetimes, resist.-area product 2−15374
PbSnSeTe-PbSeTe DH laser, lattice matched, low threshold 2−20897
PbSnTe buried heterostructure lasers, longitudinal mode behaviour 2−15503
PbSnTe, phonon-induced anomalous elec. resist. in struct. phase transition 2−25038
$Pb_{1-x}Sn_xTe$ ($0 \leq x \leq 1$) films, photothermomagnetic effect 2−1214
$Pb_{1-x}Sn_xTe$ ($x=0.18$-0.24) laser diodes prepared by diffusion of Sb 2−1960
$Pb_{1-x}Sn_xTe$ crystals, Sb-diffused, ion channelling and AES study 2−1293
$Pb_{1-x}Sn_xTe$ crysts., mechanism of chem. polishing 2−25031
$Pb_{1-x}Sn_xTe$ diode lasers, tunnelling-determined threshold current 2−1939
$Pb_{1-x}Sn_xTe$, disorder scatt. 2−9466
$Pb_{1-x}Sn_xTe$, epitaxial layer, elec. cond. and Hall effect *(Russian)* 2−25045
$Pb_{1-x}Sn_xTe$, thermoelectric effect in moderate and quantising mag. field, 4.2 to 77K 2−14668
$Pb_{1-x}Sn_xTe$:Al(Ga)(In)(Cd), photoconductivity 2−1215
$Pb_{1-x}Sn_xTe$:Bi; photo- and electroluminescence spectra 2−6099
$Pb_{1-x}Sn_xTe$:Cd, carrier density, temp. depend. 2−9474
$Pb_{1-x}Sn_xTe$:Cd crystals and LPE layers, doping and elec. props. 2−25144
$n\text{-}Pb_{1-x}Sn_xTe(In)$-p-PbTe heterojunction, electrophysical props. 2−9486
PbTe (111) epitaxial thin films, elec. transport props., thermal-cycling induced changes 2−9465
PbTe, diffusion of Cd, effect on elec. props. 2−1209
PbTe, diffusive-convective physical vapour transport from Te-rich solid source 2−24273
PbTe film, magnetoresistance strong and weak-field effects 2−9471
n-PbTe films thermal treatment in air, effects on thermopower and electrical conductivity 2−9463
PbTe, LPE growth on PbSnTe substrate through stripe openings on CaF_2 coating 2−574
PbTe, photovoltaic detector, R_0A product temp. depend. 2−10141
PbTe, surface space charge layer physics 2−9470
PbTe, thin films, struct. and elec. props. stoichiometry and prep. condition depend. 2−24956
PbTeSe, LPE growth lattice-matched to PbSnTe, phys. and elec. props. 2−585
SnO_2:Sb, thin film elec. and optical props. 2−20091
$SnSe_2$, occurrence of polytypism 2−5591
p-SnTe epitaxial thin film, elec. transport, nonstoichiometry effect 2−5598
jamming
see also clutter
antenna phased arrays for anti-jamming appl. 2−16343
anti-intercept margins of relay-augmented data links 2−6756
antijam communication systems created for the signals corps. 2−6505
canceler performance degradation, multiple sidelobe, due to estimation noise 2−6850
coherent detection of frequency-hopped QPSK and QASK systems with tone and noise jamming, bit error probability 2−10646
combat net radio, ECCM using frequency agility 2−16385
direct sequence spread spectrum system with long period and short period code sequences, QPSK/BPSK spreading for noise and jamming 2−2671
DPSK system, binary, direct sequence/frequency hopped, susceptibility to jamming 2−6388
electronic warfare system, measure of effectiveness 2−6855
frequency hopped quadrature modulation, coherent detect., QPR class I modulation 2−15889
frequency hopped quadrature modulation, coherent detect., QPSK and QASK 2−15888
M-ary direct sequence spread spectrum communication, optimisation of processing gain, comments 2−10620
military tactical communications links, resistance to jamming by bandwidth expansion 2−6757
optimal windows for spectral measurements in noisy environments 2−21361
police speed timing radar countermeasures, USA 2−16504
pseudorandom signal filtering in presence of similar drifting interference, algorithm stability 2−2349
radar performance, search and track modes analysis 2−6851
radiocommunication in presence of hostile jamming, information theoretic study 2−2672
sidelobe canceller performance, evaluation 2−21857
jamming continued
spread spectrum technology for tactical digital data links, variable-data-rate/variable-jam-resistance concept 2−2725
spread-spectrum radios, anti-jamming appl. 2−21116
jellies *see gels*
jet stream *see atmospheric movements*
jets
see also plasma jets; sprays
compressible flow patterns, streamline coordinates use in numerical soln. 2−8774
dye-jet laser pumped by second harmonic of Q-switched mode-locked Nd^{3+}:YAG laser 2−20850
mass-filter probe, rarefied gasdynamical problems appl. *(Japanese)* 2−7232
reaction, impulsive forces meas., on wind tunnel model, using conventional strain gauge balance 2−12002
j.f.e.t. *see junction gate field effect transistors*
Johnsen-Rahbek effect *see adhesion; electrostatics*
Johnson noise *see thermal noise*
joining processes
see also brazing; cable jointing; soldering; welding
ceramic permanent magnets adhesive bonding 2−5904
electronic technology materials, organic chemistry developments, adhesives, liquid crystals, organic semiconductors *(Spanish)* 2−13803
glass-metal joints in electronic components manufacture high-temperature technologies *(German)* 2−13281
optical fibre splicing methods and apparatus *(Japanese)* 2−9978
quick disconnect/locking/locating stud 2−88
wire wrapping and crimping techniques *(German)* 2−8264
GaAs FET, plasma etched via connections 2−1388
jointing, cable *see cable jointing*
jointing (electric connectors) *see electric connectors*
Josephson effect
100 nm Josephson microbridges, high-resolution fabrication 2−9918
AC in hysteretic junctions, range and stability of phase lock 2−1609
AC regulation for Josephson ccts. 2−15252
AC SQUID, sensitivity anal. 2−25463
chaos and noise rise in Josephson junctions 2−9912
current driven Josephson junction, microwave induced steps, thermal fluctuations and transition rates 2−20586
current injection Josephson interferometer with magnetic input signal coupling 2−9924
current-injection logic device, high tolerance, 3-Josephson junction 2−19627
DC Josephson current/ in cylindrical junctions/ 2−1618
DC Josephson current in asymm. junction, formula 2−9934
DC Josephson flip-flop circuit 2−15250
DC SQUID, thermal activation model 2−25462
DC-SQUID, meta-stable states, mean lifetimes, I-V characts. of device 2−25464
devices for computer applications *(Japanese)* 2−20566
devices for computer appls. *(Japanese)* 2−20567
distorted steps in the I-V characteristic of Josephson junctions 2−5941
distributed inhomogeneous junction, static props. *(Russian)* 2−15269
down conversion at a Josephson contact for large intermediate frequencies 2−780
dwell-time technique for AC power of Josephson circuits 2−9077
EHF devices using Josephson superconductive contacts, 8-mm range *(Bulgarian)* 2−1606
Fiske steps in long Josephson junctions, dynamic fluxon model 2−20590
fluxon propag. in long Josephson junctions 2−20589
fluxon reflection on Josephson line from perturbative point of view 2−20568
gigabit electronics appls., signal processing, Josephson technology, monolithic ICs *(German)* 2−5783
ground plane edge junction regulator 2−9925
heterodyne sub MM wave detector at high thermal background levels 2−24702
high speed adder using Josephson elements 2−19752
high-speed low-power circuits with Josephson junctions 2−25456
hysteretic Josephson junction, time-dependent dissipative steady states fluctuations and transition rates 2−25458
integrated digital circuits with Josephson junctions, review 2−15270
interferometer, Josephson edge junction, fabrication 2−15245
interferometer, threshold characteristics 2−20561
interferometer circuits, testing 2−5203
intermediate length Josephson tunnel junctions, fluxon dynamics 2−20588
Josephson current injection logic IC, for high performance data processing 2−24492
Josephson functions, coherent transient effects 2−15264
Josephson junction, properties, structure, basic ccts. *(Italian)* 2−9916
Josephson junction, simple electronic analog 2−9909
Josephson junction computer *(Japanese)* 2−9941
Josephson junction quasiparticle injector/extractor pulse generator 2−5146
Josephson technology system level experiment for supercond. computer 2−9929
junction noise thermometer, impedance modelling 2−9940
junction technology and appls. to computers and processor systems *(Italian)* 2−9915
junction with direct cond., steady-state props., kinetic inductance *(Russian)* 2−15243
junctions, barrier uniformity, crit. supercurrent mag. field depend. study 2−20605
junctions, macroscopic quantum tunnelling and dissipation 2−20579
junctions, weakly coupled, thermal fluctuations and phase locking 2−9911
junctions, zero field singularities, sine-Gordon eqn. superconducting junction devices 2−20572
latching logic circuits, timing circuit 2−15249
logic circuits, provision of third harmonic waveform 2−9076
logic circuits, star driver for Josephson circuits 2−9923
logic devices, high-speed, for superpower computer, current trends *(Japanese)* 2−9088
logic family, MAIL, magnetically-coupled asymmetric interferometer logic 2−19643
logic gate, current injection, with high gain 2−5936
long Josephson junction, fluxon interaction 2−1620
long junction, fluxon interactions *(Russian)* 2−9942
long-line receiver 2−5196

Josephson effect continued
long-line receiver for Josephson logic circuits 2—5195
LSI technology, Josephson junction appls. 2—5938
microbridge, resonantly coupled, Josephson radiation linewidth, regenerative feedback narrowing 2—15265
microbridges, Josephson behavior, nonequilibrium theory, review 2—20596
MIMD with contact area less than $10^{-11}cm^2$ for Josephson and room temp. appls. 2—1377
noise thermometer, elec. impedance, math. model 2—25450
non-equilibrium superconductivity appl., Josephson steps produced by optical beams 2—1608
non-latching logic circuits, resonance amplitude control 2—5198
optical I/O subsystem for Josephson junction processor 2—15246
oscillations spectrum in system of Josephson junctions 2—15268
phase-plane anal. of Josephson junction model 2—20558
photosensitive Josephson junction with hydrogenated amorphous Si barrier 2—15256
planar antenna-coupled supercond.-insulator-supercond. devices for detect. and mixing above 100 GHz 2—20600
point contact, current noise 2—25453
point contact in resonator, Josephson nonlinearity, freq. synthesis from microwave to optical range 2—1629
program counters for Josephson circuits 2—9130
quantum noise effects at 100 GHz in Josephson functions, meas. and theory 2—24722
radiation linewidth anomalies in Josephson junctions 2—20587
radiators, two coupled, coherence and linewidth 2—15261
RAM cell, nondestructive read-out single flux quantum 2—20560
regulated power supply with adjustable dwell for Josephson logic circuits 2—9079
relaxation oscillator at subharmonic freq., amplification and locking 2—1605
research activities at Electrotechnical Institute, Slovak Acad. of Sciences, review 2—9881
resistively-shunted Josephson junction, thermal noise theory in quantum limit, DC SQUID appls. 2—25461
resonant small-junction Josephson circuit, characteristic modes and transition to chaos 2—20597
RF biased junction, chaotic states 2—9932
ROM, design 2—9097
ROM, near ideal coupling element 2—5228
RUN-SCAN synch circuit for Josephson logic chips 2—787
self-gating AND cct. 2—9075
self-gating AND circuit 2—5199
shunted Josephson junction model, non-ohmic effect 2—9939
small area Josephson tunnel junctions, high resolution techniques for fabrication 2—9920
SQUID, DC, dynamics, characteristic times, current-voltage characteristics 2—20562
SQUID, real time dynamics study using high resolution cryogenic sampler 2—20583
SQUID, resistive, with large crit. current, Josephson oscillation 2—9935
star driver, fast, compact 2—5197
supercond.-insulator-supercond. junction array mixers, conversion efficiency and noise meas. 2—20601
superconducting groundplane, reduction of trapped mag. flux 2—15251
superconductive devices and circuits, theoretical principles, book 2—14
superconductivity weak links, voltage locking via impedance coupling 2—1610
superconductor-insulator-superconductor mixing with arrays at millimeter-wave frequencies 2—9933
superconductor-normal-superconductor sandwiches with Bi interlayer *(Russian)* 2—9917
three Josephson junction direction coupled isolation device 2—24482
three-junction Josephson interferometer as nonlinear logic gate 2—5160
transmission line, Ohmic dissipation due to fluxon motion, anomalous DC current 2—22931
transmission line, pulse response props. and appl. to logic circuits 2—14074
tunnel junction, current-voltage curve simulation for finite capacitance 2—1611
tunnel junction, large, fabrication and eval. *(Japanese)* 2—9937
tunnel junction, nonhysteretic, microwave direct and heterodyne detect. 2—9930
tunnel junction, perturbed sine-Gordon eqn., mech. analogue studies 2—15267
tunnel junction, resistively shunted, obs. of zero point fluctuations 2—9938
tunnel junction amplifier low noise self-pumped, parametric amplification props. 2—5348
tunnel junction low β_c, with magnetically suppressed crit. currents, I-V characts. 2—1612
tunnel junctions for ICs reproducible current density 2—9927
ultrasmall junctions, tunnelling characts. 2—15257
volt standard, Josephson element direct current characteristics and circuitry of volt standard *(Japanese)* 2—11320
voltage fluctuations in Josephson junctions, microscopic theory 2—20585
voltage locking of dissimilar Josephson junctions/ in a resonant cavity/ 2—1614
vortex flow device 2—1603
weak link, basic model 2—1619
weak links, short range interactions 2—20604
weak-link system, EM wave stimulated emission feasibility 2—25763
zero-voltage state decay in small-area high-current density Josephson junctions 2—1621
$Er_{0.58}Ho_{0.42}Rh_4B_4$-Nb oxide-Nb point contact junction, temp. depend. of Josephson current 2—1617
Nb bridges, variable thickness, coherent effects 2—15254
Nb point contacts, AC Josephson effect above voltage 2—20578
Nb, reactive ion etching, electrodes for Josephson ccts. and microbridges 2—20564
Nb weak-link Josephson single-flux-quantum logic circuits 2—9910
Nb-amorphous Si-Nb Josephson digital devices, upset events under α-particle irradiation 2—15244
Nb-Nb_2O_5 Josephson junctions, minimisation of excess sub-gap currents 2—9926
Nb-Nb_xO_y-Pb Josephson tunnel junction, structural anal., for voltage standard 2—5943
Nb-Nb_xO_y-Pb(In) Josephson contacts, prod. by sputtering in low power HF discharge 2—24322
Nb-NbO_x-Pb, tunnel junctions, Nb energy gap and critical currents, temp. depend., base electrode annealing effects 2—20569
Josephson effect continued
Nb-NbO_x-PbIn Josephson edge junction, specific capacitance 2—20575
Nb-Pb, Josephson tunnel junctions, long, zero-field steps, temp. depend. 2—20573
Nb-Pb thin film Josephson jucntions, AES, XPS investigation 2—9914
Pb and Pb-alloy Josephson functions, surface obs. and failure cause 2—15255
Pb Josephson junction, energy gaps and crit. current, quasiparticle injection effects 2—20576
Pb thin film microbridge Josephson device, response under microwave and MM wave radiations 2—20598
Pb/In-oxide-Pb(Bi) quasiparticle tunnel junctions for MM-wave detection 2—20602
Pb-PbO_x-Pb, long Josephson tunnel junctions, vortex vel. from microwave induced DC voltage 2—20563
Pb-PbO-Pb Josephson junction, negative resist. switching 2—20570
Si coupled Josephson junctions and super-Schottky diodes with coplanar electrodes 2—9922
Si:P-Nb Josephson struct., high resistance 2—25455
Sn cylindrical Josephson junctions 2—15258
Sn-SnO_2-Sn junction, quasiparticle harmonic mixing 2—20599
Sn-SnO_x-Sn, long Josephson tunnel junctions, resistive branches, step struct. 2—20571
V-V_xO_y-Pb tunnel junctions, max. Josephson current, temp. depend. 2—20565
V-V_xO_y-Pb(CdS-In) Josephson junction, max. supercurrent, temp. depend. 2—20577

Joshi effect *see glow discharges*

junction gate field effect transistors
applications, book 2—23880
bipolar compatible subsurface JFET fabrication 2—20256
channel thermal noise model using active R-C line approach 2—25269
digitally controlled temp. control unit in 6000 series for JFET, report 2—11610
double-gate N-channel JFET, bipolar compatible, fabrication process 2—5748
low-noise 4-terminal devices, noise meas. and model for fluctuations caused by point defects 2—25272
oscillator, simple cct. for stable HF signal source, cct. 2—5141
thick film hybrids ICs, extreme radiation tolerance 2—24846
$Al_xGa_{14-x}As$-GaAs heterojunction FET, magnetoconductance, g-factor, gate voltage 2—20270
AlGaAs-GaAs heterojunction gate JFETs by organometallic and MBE, for high speed logic appls. 2—25225
$Al_xGa_{1-x}As$-GaAs heterojunction FET, magnetoconductance, g-factor 2—20269
GaAs, digital monolithic IC development *(Czech)* 2—9739
GaAs JFET, planar normally-off, for high speed logic ccts. 2—19618
GaAs JFET static RAM design 2—14130
GaAs-(Ga,Al)As heterostructures for FETs *(French)* 2—20249
$In_{0.53}Ga_{0.47}As$ very shallow junction gate struct., MBE growth, elec. characts., JFET device appls. 2—14867
Si JFET low-freq. noise dependence on device parameters and operating conditions 2—25271

junction lasers *see semiconductor junction lasers*

junctions, waveguide *see waveguide couplers*

Jupiter
Io plasma torus, electron gyroharmonic waves obs. 2—15700
Io plasma torus, radiowave ray tracing 2—15701
Io tonus electron content, dispersive Doppler meas. 2—15699
sub-mm heterodyne observations 2—21890

Kalman filters
air traffic control systems, air situation image building by tracking independently sampled radar measurements 2—22708
aircraft strapdown inertial navigation systems, rapid alignment using Navstar Global Positioning System 2—6874
attitude reconstitution, dynamic method based on Sun-Earth colatitudes 2—27237
design for inertial navigation system, state-space models of gravity disturbance gradients 2—6426
digitally implemented performance degradation analysis 2—6427
discrete minimal-order optimal estimator, simple derivation 2—15878
discrete-time equivalent of continuous-time filtering proceses 2—26136
electric power systems, dynamic model for state and parameter estimation 2—7514
identification of stochastic linear systems in presence of input noise 2—10681
JTIDS dual grid navigation using time synchronized data links 2—6869
linear discrete dynamic system, parameter estimation, filtering problem under conditions of ambiguous meas. 2—22032
linear dynamic system state vector meas. using Kalman-Bucy filter *(Russian)* 2—3021
load demand prediction, two stage adaptive estimator 2—22865
mean and covariance, estimation and tests of hypotheses 2—4789
microprocessor controlled electric process heater 2—13078
moving picture encoding, adaptive straight line approx. technique 2—10645
Navstar GPS navigation filters, dynamic performance anal. 2—6875
nonlinear, 2-D restoration of distorted images 2—6470
nuclear reactor online computer control using optimal control and state estimation methods 2—7691
orbit and attitude determ. for Bhaskara satellite 2—27234
parallel design algorithm 2—6460
power system short-term load forecasting, adaptive Kalman filtering appl. 2—3725
PWR pressuriser instrumentation, bias identification, using generalised likelihood ratio technique 2—12407
sensors, model mismatch effects on future detection 2—13325
SIRIO-2 LASSO mission, orbit determ. simulations using laser ranging data 2—27244
spacecraft attitude and sensor parameters estimation, using adaptive filtering 2—22592
two-dimensional, use in statistical quality control of channel, sensitivity anal. 2—2348

Kelvin-Helmholtz instability *see flow instability*
keratin *see proteins*
Kerr electro-optical effect
see also optical Kerr effect
electro-optical distance measuring instrument, two channel laser modulation *(German)* 2−15348
Kerr magneto-optical effect
amorphous mag. materials, domain pattern meas. using C-CD image sensor 2−22366
NiFe chevron elements, 90° symmetrical, magnetisation processes and distrib. 2−15123
keyboards
buckling spring-type keyswitch with pretravel force 2−19917
computer-controlled synthesiser keyboard 2−2981
dry-reed contacts operated by permanent magnets, test method 2−5414
duophonic synthesiser keyboard, using constant current resistor chain 2−2983
electronic keyboard with piezoelectric transducer, electrical design conditions 2−1526
encoder based on two integrated TTLs *(Italian)* 2−9125
membrane switches using polyester film, design 2−14352
panelware, keyboards, enclosures and panel manufacture, state-of-the-art 2−108
sense capacitor for capacitive keyboards 2−967
shift register for use with keyboard encoder *(Italian)* 2−9126
special-purpose keyboards, switch design, customized basis 2−991
switch design, touch-sensitive pads, ultra-short and short travel buttons 2−990
touch panel keyboard input, liquid crystal display 2−22316
variable tone generator, using shift register, logic ICs 2−2991
kicksorters *see counting circuits*
kinematic viscosity *see viscosity*
kinematography *see cinematography*
kinerecording *see video recording*
kinescope *see television picture tubes*
kinoforms *see computer-generated holography*
Kirchhoff adders *see summing circuits*
Kirkendall effect *see diffusion in solids*
kitchen appliances *see domestic appliances*
klystrons
see also reflex klystrons
drift klystron, criteria for and shape of optimum electron bunching 2−20019
frequency stabilisation for GHz range *(German)* 2−9022
gyroklystron, two cavity, theoretical analysis 2−14577
gyroklystrons, space charge forces effect on electron bunching in drift tube 2−20018
high power amplifiers with klystron/TWT combination, 5.9 to 6.4 GHz satellite ground station appl. 2−21787
microwave power feeding for magnetic fusion devices, multipactor in the Brambilla Grill 2−24865
optical klystron description and physical mechanism 2−1828
optical klystrons and multibeam free electron lasers 2−20771
phototron, direct conversion of light to radio frequency energy 2−9382
UHF TV transmitters LDM 1740, klystron type YK 1220, 1230 appl. 2−11159
Kramers-Kronig relations
linear wave propag. in homogeneous and inhomogeneous media, dispersion relations 2−15677
Kramers systems *see determinants*
Kromayer lamps *see mercury vapour lamps*
Kyropoulous method *see crystal growth from melt*
labelled atoms *see radioactive tracers*
labelled compounds *see radioactive tracers*
labelled molecules *see radioactive tracers*
laboratories
see also acoustical laboratories
Center for Radiation-Hardened Microelectronics (CRM) at Sandia National Laboratories, NM, USA 2−9723
chemical microcomputer-based laboratory data acquisition systems 2−4554
flying high-freq., developed by Polish Institute of Telecommunications *(Polish)* 2−11337
Francis Bitter National Magnet Laboratory, USA, cryogenic research facilities 2−15272
HV switchgear tests, laboratory meas. automation 2−4312
hybrid microelectronics instruction course at Alfred State College, NY, USA 2−9336
IC laboratory, Engineering Design Centre, Case Western Reserve University, USA, review of facilities 2−8180
medical microprocessor-based instrumentation, lab for course 2−13201
microelectronics education program at University of Arkansas 2−8179
microelectronics processing facilities, survey of Federal Government laboratories and installations in USA 2−8244
R&D management 2−18921
Submicron Structures Laboratory operation of Massachusetts Institute of Technology 2−9716
teaching, hardware and software, description 2−18888
thick film hybrid microelectronics laboratory at Virginia Polytech. Inst., industrially-sponsored program 2−9335
laboratory apparatus and techniques
see also specific instruments and techniques, e.g. balances, plasma probes, vacuum techniques
see also instrumentation; instruments; measurement; student laboratory apparatus; test equipment; test facilities; testing
balance, electronic, Delta Range series, laboratory automation 2−3285
biological impedances meas., automated microcomputer system appl. 2−7180
blood analyser, PHA-1 programmed automatic unit 2−3458
clinical-chemistry laboratory instrumentation *(Italian)* 2−17330
data acquisition and processing using Apple II system 2−11401
electric currents induced by lightning, meas. by coaxial shunt method *(French)* 2−17073
heavy current meas. in power test laboratories using coaxial shunt *(French)* 2−17072
Institute of Electrotechnics Department of Measurements and Electrical control establishment and formation, historical survey *(Polish)* 2−23868
laboratory apparatus and techniques continued
intelligent measuring systems, appls. in experimental research 2−16828
interfacing laboratory instrumentation to a computer [battery testing], battery testing laboratory facilities 2−3037
laboratory as teaching aid in teaching engineering student with specific symbol difficulties 2−18898
optoelectronic III-V semiconductor crystal growth in laboratory 2−24306
pyroelectric picosecond techniques for IR pulse meas. 2−1551
variable lab power supply cct., Blockbuster, 0 to 10 V DC, up to 3 A output, LM323K voltage regulator 2−19532
$LaNi_5$ hydride device for minimising laboratory H_2 hazards 2−59
labryrinth speakers *see loudspeakers*
ladder filters *see filters; ladder networks*
ladder networks
see also filters
active ladder filters, high quality double-integrator building-block 2−19784
antenna equivalent cct. synthesis using computer-aided optimization methods 2−10564
Cauer II type passive RC ladder multiport, matrix transfer function realisation via state-space approach 2−674
chain of uniform π-networks with crystal resonators in series arms 2−9138
Chebyshev low pass active filter design *(Czech)* 2−830
equivalent Cauer-type canonic ladder networks generation 2−5270
frequency transformations representation by phase-shifters in iterative lattice networks *(German)* 2−816
graphical symbols for electrotechnology, contacts switches and relays 2−986
LC ladder four-pole filter synthesis using impedance parameters, TI 58/59 calculator program *(Czech)* 2−19766
reverse ladder linear predictor 2−19511
switched capacitor filters with inductor loops, ladder simulation 2−5275
wave digital filters, modular hardware implementation using unit element filters and ladder filters 2−847
lakes
see also rivers
discharge level of artificial lake, optimal selection regarding costs and energy production 2−7770
sediments analysis, paleolimnological uses of X-ray spectrometry 2−3615
laminates
1,2-polybutadiene laminate, flame retardant for high density multilayer printed wiring boards 2−19464
carbon fibre reinforced plastics, nondestructive testing and fatigue behaviour 2−8859
composite epoxy laminates, for plated through hole circuit boards 2−19940
composite shell structures, finite element analysis 2−13738
debond inspection in solid rocket motor section, acoustical chirp frequency and computer correl. technique 2−8913
generalized ultrasonic impediography 2−8916
Glastic SG-200 fibreglass mat reinforced polyester laminate for high-temp. transformer insulation appls. 2−18308
graphite fibre reinforced epoxy laminate, fatigue damage monitoring by US mapping 2−5043
high-grade semi-finishes for modern electronics, PBC Cu foil and laminates *(German)* 2−19975
metal-metal adhesively bonded structures, through transmission US attenuation meas. 2−8914
mica flake integrated sheet/epoxy laminates, mech. and elec. props. 2−13860
multi-layer eddy current simulators, EM charact., temp. depend. 2−643
multilayer, PCBs, mass lamination technology 2−14509
multilayer PCB lamination, silicone rubber composite press pad appls. 2−5452
multilayer PCB manufacture, dimensional instability problem, possible solns. 2−14456
multilayer PCB production, dimensional stability of laminates, production tests 2−19983
PC assembly, non-wetting and de-wetting of solder to plain laminate, inspection 2−24786
PC laminates reinforced with fibre glass textile yarns, impact on industry 2−14488
PCB, epoxy/glass laminate, punchable grade, high performance, use in high-quality electronic assemblies 2−14426
PCB electrolytic corrosion effects, insulation resist. meas. of laminate following humidity cycling 2−14455
PCB epoxy glass based laminate PDR 100, additive production system 2−14430
PCB epoxy-resin laminate, curing with different ratios of benzyldimethylamine/dicyandiamide 2−14428
PCB fabrication technique, epoxy glass laminates, curing, photoresist exposure and development, electroless Cu plating 2−1034
PCB glass fibre epoxy laminates, water absorption, accelerated ageing test rel. to elec. and phys. props. 2−14454
PCB laminate manufacture, high-quality analytical testing 2−14420
PCB laminate punchability, laboratory tests 2−14376
PCB laminate punching tests, material composition evaluation, through-hole generation mechanics 2−14458
PCB laminates, capacitance of conductors when separated by dielec. material, 'hook' effect 2−14367
PCB laminates, thermal behaviour, performance rel. to temp. exposure 2−14410
PCB laminates with Cu foil cladding, evolution, various types 2−14479
PCB manufacture, additive process adaption for metal core boards and unclad laminates 2−14422
PCB manufacture, mass moulding techniques, production capability and facilities 2−5446
PCB manufacture, punched laminate parts, perforator force meas. during piercing operation 2−5454
PCBs, high-volume multilayer production using mass lamination techniques 2−14424
PCBs, multilayer lamination methods and constructions 2−14489
PCBs, non-precious metal catalyst for through-hole plating 2−14404
PCBs, paper laminates, improved designs 2−14419
PCBs, rigid glass epoxy laminates, composition and processing 2−14490
PCBs punchability prediction 2−14402
PWB laminates, composite epoxy materials, technical update 2−5442
SPAULDITE X-982 thermosetting laminate for transformer insulation, epoxy resin reinforced with wood kraft paper 2−18309

laminates continued
US methods for characterising response 2−8880
Al multilayered adhesively bonded structures, appl. of adaptive learning networks to US signal processing, flaw classification 2−8912
Cu foils, ultra-thin PCB material development, fine-line circuitry production 2−14460
Cu microthin layer laminates 2−14414
laminations
isotropic steel strips, static mag. curve values, dependence on orientation *(Polish)* 2−12703
power transformer laminations production problems and solutions *(Polish)* 2−4269
Fe-Si (3 wt%) sheets, grain oriented, remanence theory in presence of external stresses 2−15115
Fe-Si (3 wt.%), grain oriented, magnetised, effect of stress on mag. props. 2−15118
Fe-Si (3 wt.%), with (110) surface, domain wall angles, stress effects 2−15119
lamp accessories
see also lamps
fluorescent lamp IC-controlled starter cct., using nonlinear dielectric elements *(Japanese)* 2−13060
Polish products survey (POLAM) *(Polish)* 2−18748
touch switch lamp relay cct. 2−18741
transductor system for controlling voltage across 100 W lamp *(German)* 2−693
lamps
see also discharge lamps; filament lamps; light sources
brightness, digital control, six-programme panel, thyristor block and remote control *(Russian)* 2−18747
control gear and lamps, how to match them in light of recent developments 2−23726
dimmer switching circuit, operating without abrupt action *(Spanish)* 2−880
energy-saving band-mirrored traffic signal lamp *(Japanese)* 2−8073
engineering aspects of lighting developments 2−23724
luminescence investigations, vision research implications 2−28210
modulators, type ML-7 and ML-8 in high freq. lamps, power supply circuit *(Russian)* 2−707
POLAM lamp manufacturing company in Warsaw, achievements and problems *(Polish)* 2−4642
power supply apparatus for TV and cinefilming lighting sources *(Russian)* 2−23372
pulse width modulators, control appls. 2−13943
Landau levels
GaAs, hot electron nonMaxwellian distrib. function in mag. field, cyclotron emission study 2−24981
GaAs-$Al_xGa_{1-x}As$ superlattice, mag. quantisation and transport 2−14689
GaAs-AlGaAs DH injection laser, active layer radiative processes in strong mag. field 2−25796
n-InSb, Landau levels nonthermal broadening, transverse magnetoresist. and photomag. effect 2−5560
InSb, photoexcited hot carrier lifetime, magnetophonon oscillations 2−24982
Si (100) MOS inversion layers, transverse and Hall conds., temp. depend. under strong mag. fields 2−14732
Si inversion layer in strong mag. field, temp. depend. Hall cond., mobility edge model 2−20146
landing fields *see airports*
Langmuir films
dipalmitoyl phosphatidyl ethanolamine, charge transport in thin biological films grown by the Langmuir-Blodgett technique 2−5832
field effect transistors based on Langmuir-Blodgett films *(German)* 2−25230
Au-Langmuir film-InP 0.085 eV Schottky barrier 2−25077
CdTe-Langmuir film MIS solar cells photovoltaic props. 2−23426
n-GaP/stearic acid, surface pot. studies on Langmuir-Blodgett films 2−14719
n^+-GaP-stearic acid-Au MIS Schottky diodes, elec. and photoelec. props. 2−20228
Langmuir probes
see also plasma diagnostics
No entries
language translation
CMOS high density ROM for hand language translator 2−19671
international videotex networks, automatic language translation 2−21532
languages, formal *see formal languages*
languages, programming *see programming languages*
Laplace transforms
asymptotic separation coefficients for integrals by Laplace method *(Russian)* 2−534
DC thyristor electric drives, steady-state operating regimes mathematical description using harmonic components and Laplace finite transform 2−28149
finite intermediate waiting room tandem queue, moving server with walking time 2−19108
GI/M/2 queue analysis, using supplementary variables approach, Laplace transforms *(Japanese)* 2−8440
inverse, finite-series approx. to run on programmable calculator 2−479
Laplace-Levy operators boundary-value problem 2−19313
mathematical model of circuits with rectifier converters 2−28029
parabolic partial differential equations, solutions 2−24042
partial differential equations boundary-value problems 2−19375
switched-capacitor filters, influence of operational amplifiers 2−680
tandem queueing system with gate attended by moving server with walking time 2−19109
variable structure circuits anal. algorithm using difference equation-structural numbers method and discrete and continuous Laplace transformations *(Russian)* 2−28002
large scale integration
1 Mbit ROM, Kanji (Chinese ideograph) character generator appl. *(Japanese)* 2−24508
1K RAM, in LSI packaging that passes PIND test 2−25296
3D-raster display system, hardware enhanced 2−3087
16K RAM dynamic memory array card burn in and high speed functional card testing 2−19693
24-channel LSI digital transmultiplexer 2−6675
A/D and D/A conversion, high speed, appl. to single chip devices and microprocessors *(Italian)* 2−9118
large scale integration continued
Advanced Symbolic Artwork Preparation, Hewlett-Packard's IC design system 2−5768
analogue LSI, employed in redesign of static DC drives 2−8986
arbitrary mask edges, two- and three-dimensional analytical solns. for post-anneal implant profiles 2−25284
ATE test and inspection, microprocessr-controlled optical scanning system 2−11366
automated cct. design 2−5061
automatic LSI photomask defect inspection for improved yield, charcts., and reliability 2−1417
automatic routing program with variable wire width 2−1428
automatic structured IC-layout design, top-down organisation 2−1429
automatic test pattern generation, functional level digital fault simulation 2−1437
automatic test pattern generation for FET VLSI 2−1462
automatic testing of IC *(Swedish)* 2−25281
azide-phenolic resin photoresists for deep UV lithography 2−9686
BELLMAC-32: a testable 32-bit microprocessor 2−19725
BIGFET logic array layout design using BISIC program 2−801
biotechnical process for micropatterning of metal using electron resist/protein composite 2−20376
bipolar 2500-gate subnanosecond masterslice LSI 2−14969
bipolar analogue/digital LSI, process and device technologies, I^2L devices 2−25332
bipolar ECL gate with 1.25 μm design rule, LSI technology appl., prep. by advanced photolithography 2−20395
bipolar ICs, VLSI, new potentials reviewed *(French)* 2−14982
bipolar LSI device input states specifications for latchup testing 2−14973
bipolar LSI devices, latch-up anal. procedure 2−14971
bipolar VLSI, layout aids by automatic checking of cell library assembly *(French)* 2−14981
bipolar VLSI masterslice chip, automated placement and wiring 2−20391
bipolar VLSI masterslice chip, density enhancement study 2−20390
bipolar VLSI masterslice chip, off chip communication and testing 2−20392
bipolar VLSI supply voltage and logic levels, potential compatibility with TTL and ECL 2−19648
bipolar VLSI technology, use of depleted base transistors, process sensitivity 2−20396
bubble memory negative resists, postirrad. polymerization, theory, inhibition 2−20541
bus interfacing chips in high-integrity 1553-based avionic systems 2−22637
C^2MOS 8-bit microprocessor 2−14150
CAD, Caltech's Silicon Structures Project 2−9719
CAD for VLSI, MDS−a design automation system based on macros 2−1440
CAD tools for VLSI design 2−14894
CELTIC LSI logic design aids system, polycell base, automatic mask tape generation, facilities 2−5207
Center for Radiation-Hardened Microelectronics (CRM) at Sandia National Laboratories, NM, USA 2−9723
ceramic chip carriers, reflow attachment and reliability testing 2−5797
chip carrier technology *(German)* 2−14898
chip design separation from fabrication 2−18963
chip designs for digital filters 2−14223
chip layout design, automatic routing method, duality between channel areas and module placement 2−1433
chrome blanks and step projection aligner, used for VLSI mass production 2−20340
circuit layout, topological fragments on crystal arrangement algorithms *(German)* 2−9710
circuit reliability aspects 2−14899
circuit topological segment connections *(German)* 2−13903
CMOS, SEM phase dependent voltage contrast for LSI failure analysis 2−9743
CMOS arrays, semi-custom series, realisation of analogue and digital functions on single chip *(Italian)* 2−25339
CMOS gate arrays for semi-custom market 2−5812
CMOS IC distributed effects role in latch-up 2−15003
CMOS ICs, appls., advantages 2−5809
CMOS invertor with stacked transistors for high density 2−9735
CMOS LSI, custom high reliability radiation hardened circuit design 2−9751
CMOS LSI dielectric isolation technology, full isolation by porous oxidized Si 2−20422
CMOS LSI frequency synthesizers, HEF4750, design problems 2−13997
CMOS LSI switch-array module *(German)* 2−19654
CMOS RAM cosmic-ray-induced error rate anal. 2−14105
CMOS ROM, fully-static high-speed design, 32K×8, appls. 2−19688
CMOS Si-gate uncommitted logic arrays, semi-custom design technique 2−9730
CMOS single-chip speech synthesis LSI, HD61885, principles and features 2−26095
CMOS technology for VLSI, processes, phys. limitations, digital and analogue ccts. 2−20417
CMOS VLSI, bulk ICs, limitations due to parasitic SCR paths, DC model 2−9748
CMOS/LSI bulk radiation hardened technology 2−14999
CMOS/SOS 18 ns 4K static RAM design and fabrication 2−24521
CMOS/SOS advanced architecture 16-bit microprocessor, floating-point operations, avionics appls. 2−19723
CMOS/SOS automated universal array for custom LSI devices 2−14056
CMOS/SOS RAMs, fault tolerant, associative iterative circuit control 2−19679
CMOS/SOS short-channel technology 2−9749
CMOS/SOS technology developments and appl. 2−5814
CMOS/SOS VLSI circuit fabrication using electron beam/optical hybrid lithography method 2−9745
codec for PCM telecommunication circuits 2−6669
Columbia 2000, LSI ATE, description and application 2−16785
complementary bipolar-FET IC struct. array and main memory appls., isolated process 2−1411
computer aided design for VLSI and LSI circuits 2−25325
conference, Paris, France (Apr. 1981) 2−13149
conformal dry-etch for microlithographic SiO_2 pattern transfer, submicron struct. appl. 2−20332
consisting of threshold elements, adaptive electrical calcs. method 2−19636

large scale integration continued
current-injection logic device, high tolerance, 3-Josephson junction 2−19627
custom design, programmable checking tool for verification support 2−1435
custom design of Si ICs, Plessey developments 2−1422
custom design using universal logic gates 2−14932
custom digital circuits, testing methods and equipment 2−14964
custom ICs composed of unequal size logic blocks separated by routing channels, interconnection, stochastic model 2−796
custom LSI and hybrid IC reliability model weighting 2−5497
custom LSI circuits, automatic layout, standard cell and automated universal array techniques 2−14962
custom LSI design using cell layout of IC with standard cells 2−1442
custon ICs, testing and debugging 2−20277
D/A convertor multipliers, operating principles, CMOS 10-bit single chip device *(Italian)* 2−9120
data communication techniques, trends, digitalisation of telephone network, LSI appls. *(Japanese)* 2−16007
deep UV photoresists, Meldrum's diazo sensitizer 2−9685
deep UV projection lithography using novel negative resist 2−20368
defect level, relation to yield and stuck-at-fault coverage 2−20282
defence and aerospace appl., of Si microelectronics, Plessey developments 2−3555
Delft submicron technology centre *(Dutch)* 2−20281
design automation for VLSI and LSI 2−657
design for testability 2−25326
development and manufacturing, review *(German)* 2−14917
digital, ATE, fault detection and isolation in board systems 2−11351
digital filtering, appl. of LSI/VLSI developments 2−15922
digital IC testing, LSI, MSI and SSI configurations, generation and optimisation of test series in man-machine dialogue *(German)* 2−5179
digital signal processor, single chip 2−19757
digital signal processor tailored to voice synthesis, fabrication by NMOS technology 2−7065
digital synthesizer LSI for FM/AM receivers 2−6913
digital transmultiplexer, hardware implementation 2−10901
digital VLSI technology for computers, problems in creation of element base 2−5184
DIGSIM II, advanced graphics interface for VLSI MOS models 2−1461
direct selective ion implantation of wafers using 100-kV ion probe system 2−20315
dry etching technology for 1 micron VLSI fabrication 2−9571
dynamic RAM, 64K, fully boosted with automatic and self-refresh, fabrication using double poly Si process 2−24526
dynamic RAM, 64K, yield improvement with laser programmed redundancy 2−24528
dynamic RAM access time minimization 2−24535
dynamic RAM cell, 34 μm^2, fabricated using 1 μm single level polycide FET technology 2−24527
dynamic RAMs electron-beam testing 2−19692
EB55 precision electron beam exposure system, direct writing of submicron patterns, variably-shaped beam 2−20297
ECL processing, -bipolar test chip with emphasis on modularity and testability 2−14985
ECL RAM, 3 ns, 1 kbit, fabrication using super self-aligned process technology 2−24516
electrically alterable programmable logic array for fast turnaround-time VLSI development hardware 2−14057
electrically programmable CCD transversal filter LSI for TV ghost canceller 2−21964
electron beam direct wafer writing system, double defl. correct., SEM column, multi-data exposure program, mask. reg. accuracy, LSI appls. 2−5784
electron beam exposure of Ge_xSe_{1-x} inorganic resist, oblique deposition enhanced sensitivity 2−20330
electron beam exposure technique/ for VLSI devices *(Japanese)* 2−1418
electron beam lithography, proximity parameters determ. 2−25311
electron beam lithography, used for LSI mass production techniques 2−20338
electron beam writing strategies and resist development effects, exploration 2−9683
electron lithography system, computer controlled, for LSI, VLSI and VH SIC *(Slovak)* 2−9706
electron resists, poly(vinylnaphthalene), dry etching, etching rates comparisons, submicrometre fabrication 2−20314
electron-beam array lithography with submicron smallest features and high throughput of wafers 2−20300
electron-beam direct writing technology for 1 micron VLSI fabrication using variable-shaped beam 2−9731
electron-beam lithography, multilevel resist for lithography below 100 nm 2−9688
electron-beam lithography alignment signals from resist.-coated marks for direct wafer writing 2−9689
electron-beam lithography for small MOSFETs using multilevel resist structure 2−9732
electron-beam projection lithography for smaller VLSI 2−9677
electronic design automation, conf., London, England (Sept. 1981) 2−18
electronic scanning facsimile apparatus *(French)* 2−21492
embedded arrays self-assist testing 2−19727
equipment testing and managing test problems 2−84
ESS applications of LSI circuits *(Italian)* 2−16177
etching, film deposition, using plasma technologies *(Spanish)* 2−20344
etching of submicron lines in Al metallisation, Plasma Inline 702 wafer reactor, automatic system 2−20350
European integrated circuit manufacturing industry developments *(German)* 2−25279
fabrication techniques for supercond. submicron switches 2−15242
facsimile equipment appls., group 3 2−10817
failure diagnosis, incorporation of diagnostic hardware into chip 2−20284
fault tolerant memories for single particle radiation effects 2−14107
FET ICs, submicron, device modelling hierarchy 2−9747
FET memory chip manufacturing processes and systems 2−15015
FET process, parametric control 2−15023
fine pattern lithography for LSI fabrication dry development of deep UV resist with RF plasma *(Japanese)* 2−1419
fixed point parallel multipliers in VLSI 2−19641
function delineation by plasma etching, use on bipolar and memory ccts. 2−1408
future device technologies, overview 2−20382
future LSI design trends 2−14903

large scale integration continued
future prospects, Slovenia and Yugoslavia *(Slovenian)* 2−25278
GaAs monolithic ICs, review *(Czech)* 2−15017
General Instruments speech synthesizers, LSI appl. *(German)* 2−26092
geometric and circuit level checking, Hewlett-Packards EXTRACT and Design Rule Checking systems 2−5771
gigabit electronics appls., signal processing, Josephson technology, monolithic ICs *(German)* 2−5783
Hi-CMOS II static RAM technology, 2 μm process, double level polySi structs. 2−19681
Hi-CMOSII high speed 4K static RAM design 2−24520
high density packaging technology, chip and wire multichip package 2−23992
high speed bipolar LSI multiplier chip used in wave digital filter design 2−14224
high speed bipolar LSI process technology, super self-aligned fabrication (SST) *(Japanese)* 2−25331
high speed pattern replication, by electron beam proximity printing 2−14927
high-resolution ion beam lithography, polyimide membrane masks 2−20318
high-speed bipolar VLSI, fine patterning, epitaxial film deposition and self-alignment technologies 2−20394
high-speed digital LSI circuitry, packaging considerations 2−9060
high-speed digital VLSI, packaging, requirements and potential trade-offs 2−19607
high-speed LSI logic and memories, modern bipolar technology 2−14980
high-speed thermal printing head and its temperature control 2−19988
high-throughput submicron lithography using electron beam proximity pointer, image positioning accuracy 2−20304
HMOS-CMOS low power high performance technology, appl. to 4K static RAM 2−25351
I^2L, high performance through laser recrystallised poly-Si 2−20383
I^2L microprocessor chip, 16-bit, 1.25 μm min. geometry, electron-beam direct writing, ion implants, plasma etching 2−20388
I^2L microprocessors and logic devices, cosmic ray induced errors 2−14151
IBM's VLSI logic test system, test requirements, objectives and system specification and architecture 2−22111
IBM computer monolithic RAM/high-performance logic IC fabrication, custom patterning on masterslice using electron beam lithography 2−14045
imbedded memory arrays, functional testing, ATE 2−16841
in-circuit test techniques applied to complex digital assemblies 2−19955
induction motor drive PWM invertor, microprocessor-based control system with I/O processing unit LSI 2−12759
industry appl. of Si microelectronics 2−13142
integrated CPU's data processing sections analytical testing, M6800 microprocessor appl. 2−19726
integrated design aids system 2−14931
integrated logic circuits, future trends 2−14052
Intel 2816 E^2 PROM, basic operation and intrinsic failure mechanisms 2−14127
Intel 8206 error detection and correction unit for use with memory systems 2−14098
interconnect PCB technology, trackability prediction 2−1021
interface circuits, microprocessor systems, external mass storage peripherals *(German)* 2−5891
interfaces for data terminals, facsimile equipment *(Japanese)* 2−26242
interrelation of microelectronics and telecommunication systems *(Italian)* 2−16273
ion beam lithography, $GeSe_2$ film resists, oblique deposition, chem. reactivity and lithographic sensitivity 2−20329
ion beam lithography, liquid metal ion source operation in optical column, performance anal. 2−20316
ion implanted resistors, resistance temp. coeff. control 2−5777
ion projection microlithography, submicron device fabrication, metal mask foil 2−20317
ion-beam lithography, CC $GeSe_2/Ag_2Se$ resist. appl., submicron line resolution 2−20328
ion-beam lithography, plasma-developed ion-implanted resists with submicron resolution, etch mask appls. 2−20331
ion-beam sensitivity of polymer resists, submicron resolution, appls. 2−20327
ITT 1240 Digital Exchange: advanced LSI component technology 2−26360
J941 VLSI test system 2−11341
Josephson junction technology for LSI appls. 2−5938
lattice defects role 2−14953
layout, GAELIC system for complex chip design 2−1431
layout design, DELILA program 2−1432
layout design, raster scan colour graphics terminal appl. 2−1430
linewidth measurement, improved critical dimension measurement with computer aided automatic fine focus 2−14948
lithographic methods development, electron and X-ray-sensitive resists 2−1424
logic CAD, functional level simulation in FANSIM3 2−1436
logic CAD, graphical interactive logic diagram capture and editing system for register level 2−802
logic circuits, custom manufacture using LSI 2−14929
logic ICs developments 2−9070
logic PCB testing, PLT, a test language for new products 2−793
logic testing technique based on small testable building blocks 2−9081
LSI circuit board testing using computer-guided probing system 2−22107
LSI/VLSI components testing program development, evaluation/production test appl. 2−20378
mask artwork analysis system for bipolar integrated circuits 2−9065
mask artwork minimum cut algorithm to facilitate computer-aided manufacturer *(Chinese)* 2−5780
masterslice layout, number of horizontal tracks 2−9709
mats, diagram transformation improvement *(Hungarian)* 2−5773
medical applications 2−22521
memories and LSI test quality and efficiency optimising system 2−19689
memory and microprocessor circuits development *(Italian)* 2−5254
memory chip-select address decode circuit, programmable 2−24534
metallisation of semiconductor devices, conf., Murray Hill, NJ, USA (June 1981) 2−5778
microcomputer, large storage technology and data communication in Germany *(German)* 2−7002
microcomputers, design and applications 2−5239
microelectronics, effect on employment in western economies 2−8331
microelectronics, effects 2−14904

large scale integration continued
microelectronics, present and future, review *(Czech)* 2−9678
microelectronics symposium, Starkville, MS, USA (May 1981) 2−8154
microelectronics technology, progress from materials to circuits 2−1048
microprocessor boards testing techniques review 2−5259
microprocessor controlled digital test subsystem tailored to automatic test program generator output 2−26764
microprocessor self-checking features 2−813
microprocessor testing philosophy using partitioning 2−9113
microprocessor-based circuit boards high speed functional testing 2−22106
MIMOLA design system for VLSI 2−1441
MIPS, processor architecture for single VLSI chip implementation 2−19721
MIS circuit testing *(Russian)* 2−9738
Mitsubishi Electric M50110P series, remote control appls. 2−9700
MNOS LSI memory testing, physical approach 2−1457
MNOS memories, accelerated testing of time related parameters 2−15029
MNOS non-volatile memory, temperature accelerated estimation of reliability 2−15025
monochrome receivers, LSI chip for small-signal functions 2−2897
MOS, device scaling limits, effect on performance indicators 2−20413
MOS, self aligned polysilicon oxidation, double source-drain ion implantation technique for VLSI 2−25359
MOS 45 ns fully static 16K ROM design and fabrication 2−14102
MOS 4K×8 dynamic RAM with on-chip self-refresh 2−24524
MOS 64K×1 bit fully static RAM design and fabrication in 16 pin DIP 2−24525
MOS analog and digital LSI circuit for documents optical reading [for facsimile transceiver] *(French)* 2−16081
MOS buried-channel, graded drain with punch-through stopper, charact. 2−20415
MOS CAD, automated cct. parameter optimiser 2−15021
MOS circuit totally self-checking functions 2−1464
MOS device performance, O impurity in Czochralski Si substrates influence *(Japanese)* 2−9737
MOS digital LSI ccts., stroboscopic SEM with travelling blanking pulse 2−25340
MOS IC, for digital filtering and level detection 2−5290
MOS IC static equation representation *(Russian)* 2−5811
MOS LSI, low freq. harmonic distortion 2−20400
MOS LSI, plastic encapsulated Cu lead frame-epoxy die attach packaging system, reliability study 2−13293
MOS LSI design, mixed-mode simulation in MOTIS system 2−19634
MOS LSI fabrication, appl. of electron beam exposure direct writing system 2−20401
MOS LSI memory fabrication using direct write electron beam lithography 2−20419
MOS LSI technology, 1 μm Mo gate with MNOS and Si_3N_4+CVD SiO_2 passivation struct. 2−20418
MOS LSI technology, 256K RAM development *(Japanese)* 2−25346
MOS static RAM, 4 K-bit, electron-beam direct slice writing and dry etch process, VLSI MOS device technology 2−20403
MOS static RAM, 4K×1, enhanced performance, use of optically-defined submicron devices 2−19686
MOS technology, review of evolution and current state-of-the-art 2−15022
MOS universal asynchronous receiver/transmitter on-chip bit-rate generator *(German)* 2−19745
n-MOS VLSI, electron-beam direct writing technology, overlay and linewidth accuracies 2−20406
MOS VLSI, micron- or submicron-range, thin gate insulator technology 2−20420
MOS VLSI, technology and design challenges 2−15036
MOS VLSI, thin gate insulator process, high-press. low-temp. oxidation technique 2−20421
MOS VLSI, totally silicided conductors, transmission line models, contact resist. calc. 2−20428
MOS VLSI CAD, integrated design automaton system DAMOS 2−1463
MOS VLSI fabrication, electron beam direct writing technology for micron and sub-micron struct. 2−20412
MOS VLSI static RAM cell, polySi-resistor scaling rel. to performance 2−19683
MOSFET, short channel, CAD model for threshold and subthreshold conduction 2−14890
MOSFET, ultrasmall, technology challenges, VLSI appls. 2−15013
MOSFET devices, hot carrier effects, injection and surface trapping 2−25262
MOSFET VLSI, capacitance of interconnection lines, calc., comparison with computer solns. 2−15009
MOSFET VLSI interconnection delays 2−14997
p-MOSFETs, submicron size for VLSI, expt. results 2−25357
MSI/LSI mask making system, step and repeat camera controlled by minicomputer 2−9718
multi-layer 2 mil line technology for VLSI and very high speed logic devices 2−1402
multi-MOS structure for VLSI layout CAD 2−14989
multi-scalar system 2−17231
multi-standard Motorola Chroma system using LSI circuits *(German)* 2−11203
multilevel optimization of complex technological systems *(Russian)* 2−19622
multimeter, 4 1/2 digit, using ICL7135 dual ramp A/D convertor, automatic ranging *(French)* 2−11514
multiple valued logic C-CD integrated circuits 2−14065
multiple VLSI digital signal processing transmultiplexer 2−2605
multiple-electron-beam exposure system for high-throughput, direct-write submicrometer lithography 2−9693
n-channel MOS technology, high-pressure oxidation fabrication process 2−25361
N-well CMOS RAM for high density dynamic memory appls. 2−19687
nanolithography using electron-beam system, resist exposure, computer control 2−20298
negative electron resist profiles, effect of extra doses at pattern edges 2−25305
negative electron/X-ray resist., 1.0 μm resolution, poly(alkyl methacrylate)-co-(2-hydroxyethyl methacrylate) 2−20325
NMOS, 12 bit array multiplier-accumulator, for digital signal processing 2−14090
large scale integration continued
NMOS 20 ns low power 1K×4 static RAM design and fabrication 2−14103
NMOS 30 ns 16K×1 fully static RAM fabrication 2−24519
NMOS 32-bit microprocessor with virtual memory support 2−14149
NMOS fault-tolerant 30 ns/375 mW 16K×1 static RAM fabrication 2−24518
NMOS FET structure for submicron level VLSI, minimization of channel hot-electron injection 2−20416
NMOS high-speed operational amplifier fabricated using VLSI technology 2−24407
NMOS logic LSI fabrication, 2 micron, PARCOR CODEC appl. *(Japanese)* 2−25347
NMOS LSI, electro-thermomigration of Al metallisation 2−15034
NMOS memory devices, reliability of standard screening techniques 2−13324
NMOS RAM, voltage breakdown characteristics compared with accelerated life tests and field use data 2−15026
NMOS submicrometre device fabrication using masked ion-beam lithography 2−20407
NMOS transistors, ^{60}Co radiation effects on laser annealed SOS 2−15000
NMOS VLSI, hierarchical design supported by integrated CAD-system 2−15037
NMOS VLSI memories, β-radiation damage in hermetically sealed devices 2−15027
NMOS VLSI process for fabrication of 32-bit CPU chip 2−14148
non-volatile RAMs using RAM and E^2PROM, TTL signal for data transfer control *(French)* 2−24515
nonlinear cct. simulation program LNAP *(Japanese)* 2−5761
nonrecursive digital processor for filter arithmetic, NMOS LSI 2−5260
nuclear and space radiation effect, conf., Seattle, WA, USA (July 1981) 2−18849
optical projection lithography, implications of EM field theory 2−20162
optimised electron-beam lithographic process, digital simulation 2−9694
packaging, tape automated bonding and ceramic chip carriers, interconnection 2−13297
packaging VLSI technologies 2−1401
parallel multiplier, VLSI implementation design 2−19642
particle beam technology, conf., Dallas, TX, USA (May 1981) 2−18851
PCB fabrication, for LSI circuits, using electroforming techniques and chemical etching 2−9303
PCB interconnection methods for demanding LSI system designs 2−14390
PCBs alternative test strategies economic comparison using quality curves 2−19984
photolithography, characterization of registration and distortion in optical alignment equipment using automated sub-micron measurements 2−14957
photolithography, linewidth control in projection lithography using a multilayer resist process for 1 micron linewidth 2−9690
photolithography, NSR-2 10 to 1 step and repeat projection printer, resolution and overlay precision 2−9692
photolithography, plasma-developed X-ray photoresists using organosilicon monomers, design problems 2−20293
photolithography, technique for predicting optical distortion in projection optics system 2−14959
photolithography, two-level resist technology, recent developments, PMMA appls. 2−20334
photolithography, two-stage using AgBr evaporated film photosensitive material for new photolithographies 2−9687
photolithography automatic alignment technique for reduction projection mask aligner using interf. fringes 2−14958
photolithography overlay registration errors 2−14956
photolithography projection printing, influence of axial chromatic aberration 2−9691
pin limitations and VLSI interconnection networks 2−5274
PLA, automatic test generation 2−1438
PLA concepts and programming *(German)* 2−5185
placement and routing algorithms 2−20359
planar circuit complexity, VLSI algorithms 2−20356
plasma developable resist compositions, total dry microfabrication in submicron lithography 2−20326
plasma etching, end-point detection, opt. methods 2−9581
plasma etching poly-Si and Si_3N_4 in SF_4, impact on MOS device charact. 2−9572
PMMA etch resistance under various reactive ion etch conditions, submicron structs. 2−20333
PMOS VLSI design course with an NMOS text 2−9746
polyimide insulators for multilevel interconnections 2−14922
positive electron resists, novolac resins as active ingredients 1/2 μm pattern resolution capability 2−20309
precision electron beam exposure system-EB 55 LSIs with 0.5 micron patterns appl. *(Japanese)* 2−25111
process induced defects, microscopic view 2−14754
processing, microelectronic test structures for characterisation and control 2−14954
processing and yield CTX 300 technical database and analysis system−missing link in the semiconductor information system 2−14955
programmable logic arrays, completely self checking checkers 2−19651
PSK modem receivers, digital signal processing realisations, LSI implementations 2−2585
quality control for ICs 2−9695
quartz, ion beam etching techniques to overcome nonuniformity 2−20286
radiation hardened custom LSI/VLSI, test strategy 2−14906
radio receiver, programmable, BBC model *(German)* 2−2887
RAM, quadruply self-assigned stacked high-capacitance, using Ta_2O_5 high-density VLSI dynamic memory 2−24529
RAM 16K dynamic semicond. memories, α-particle sensitivity reduction by neutron irradiation 2−14106
RAM package, SEM/EDAX and optical microscopy analysis of particle impact noise detection (PIND) test failures 2−14945
raster-scan displays updating, VLSI architecture 2−16850
RD3D, computer simulation of resist development in 3D 2−20163
reactive ion etching for VLSI 2−9569
reactive ion etching in microcircuit fabrication 2−14923
reactive ion etching used for VLSI RAMs 2−20339
reference voltage for power supply of LSI chips 2−24396
reliability physics conf., Orlando, Florida, USA (April 1981) 2−18861
research and teaching, appl. of VLSI development *(German)* 2−13175

large scale integration continued
residual gas analysis, mechanism for dependence of moisture detection sensitivity on gas composition 2−17167
resolution, overlay, and field size for lithography systems 2−9681
resolution and linewidth tolerances in electron beam and optical projection lithography 2−9684
sampling techniques for determining fault coverage in LSI circuits 2−9082
SAMSON simulation system, synchronous/asynchronous mixed mode simulation of VLSI ccts. 2−790
saturated transistor capacitor technique, used for LSI 2−20389
self-testing by polynomial division [VLSI testing] 2−20380
semi-custom VLSI ccts., selection and implementation 2−25350
semiconductor and bubble memories, handbook 2−23882
semiconductor electronics, role of transistors, review *(German)* 2−14848
semiconductor manufacturing in IBM, review 2−20218
semiconductor measurement data-base system 2−14951
signal processing chip 2−14968
simulation and design of VLSI circuits 2−5769
single channel PCM codec with voice band filters, LSI development *(Japanese)* 2−26317
single-channel codecs, specifications for digital telephony *(Japanese)* 2−6666
single-device-well MOSFETs, scaled down, device merging for VLSI 2−5824
small geometry depleted base bipolar transistors on bipolar static induction transistors, VLSI applicability 2−9629
socketable packaging for high-power LSI devices in high-speed computers 2−24003
solid-state circuits conference, Freiburg, Germany (Sept. 1981) 2−18869
SOS VLSI fabrication by ion implantation, SUPREM-like 2D process simulator, field implant redistrib. 2−20426
SOS VLSI feasibility study, capacitance anal. in downward scaling, thin film quality improvement 2−20427
SOS/CMOS deep depletion technology for fabrication of 4K static RAM *(French)* 2−14126
sound processor design, VLSI applns. 2−11262
speech I/O system LSI design *(Japanese)* 2−26093
speech synthesis ICs, test strategy development for functional testing 2−19759
stand-alone magnetic bubble memory based on TIB0203 module, 92 Kbyte of storage 2−20528
standards for telecommunication devices *(Japanese)* 2−26198
STL-83 uncommitted logic arrays, CAD 2−800
stress, introduced by plastic packages, measurements with integrated strain gauges 2−14940
structured VLSI design 2−5766
submicron lithography, recent developments using electron beams and X-rays 2−25121
submicron microfabrication, H_2^+ field ionization source, energy spreading 2−20319
Submicron Structures Laboratory operation of Massachusetts Institute of Technology 2−9716
submicron-size LSI elements, electron beam lithography appl. 2−1423
surface mounted component substrates, VLSI device packages and surface attachment methods 2−19932
switched capacitor MOSLSI networks, simulation, with DIANA 2−24362
switching functions simplification, multiplexers use *(Spanish)* 2−21687
symbolic layout compaction, CABBAGE system 2−25329
syntax-directed verification of circuit functions 2−19500
Taper Isolated dynamic RAM cell as memory element in sub-hundred nanosecond dRAM 2−19685
telecom ICs, introductory overview and applications to digital exchange systems 2−21704
telecommunication systems appl. role and development in Japan's NTT *(Japanese)* 2−26197
test program, reclaim-oriented binning strategy implementation 2−5799
test sequence reduction for large state sequential machines through parallel decomposition 2−82
testability documentation, supplier's responsibility to the user 2−20381
tested LSI chips, reject rate forecasting 2−8257
testing LSI boards, combination of in-circuit and functional methods 2−22055
testing memory ICs, auxiliary test buffer unit for large memory characterisation data management 2−22110
testing PCBs containing microprocessors 2−9285
trends due to advances in technology 2−16774
TTL type components, macromodel formation *(Russian)* 2−9605
TV receiver integrated circuits for signal processing *(German)* 2−11198
uncommitted logic array, 2000 gate 10 nsec, using VLSI bipolar process 2−24494
uncommitted logic arrays, fabrication methods and applications 2−9073
university and industrial cooperation for VLSI, Hewlett-Packards University funding projects 2−5772
UV photolithographic micro resist. for shorter wavelengths negative resist., deep UV 1:1 projection lithography 2−9682
very high speed ICs, technologies and tradeoffs 2−14915
VHSIC *(German)* 2−20348
VHSIC challenge for analogue signal processing 2−2345
VHSIC phase III program in US Army 2−8207
VHSIC program, impact on industry 2−8155
VHSIC program, university, government and industrial participation 2−8210
VHSIC technology, role of reliability and accelerated testing 2−9722
VHSIC technology utilisation in future spacecraft systems 2−11985
video selectivity block for television receivers consisting of a chroma band-pass filter, a chroma notch filter, and a sound band-pass filter 2−2890
VLSI, advances in IC-manufacturing technology 2−1414
VLSI, automatic adjustment of several decentrally generated clock pulse sequences of a computer distributed over several VLSI chips 2−5176
VLSI, automatic layout 2−25328
VLSI, automatic synthesis of digital systems, review 2−5066
VLSI, circuit layout CAD, review 2−5068
VLSI, combined multi-corner testing with time/voltage modulation 2−22065
VLSI, comparison of new technologies, possibilities and limitations 2−14926
VLSI, design automation 2−20341
VLSI, electron image projector for exposure of 4 in. wafers, design, performance 2−20303
large scale integration continued
VLSI, highly automated semi custom design approach 2−20365
VLSI, in Intel 8087-9 range of single chip processors, 8087-9 range *(Italian)* 2−5810
VLSI, in line management and fabrication methods necessary for high volume production 2−14928
VLSI, LSI, design using gate arrays, state of art, problems and solutions 2−19644
VLSI, manufacturing trends and component developments *(German)* 2−20278
VLSI, merged single device well MOSFETs 2−15024
VLSI, modelling and meas. of two dimensional low conc. B profiles 2−1450
VLSI, multilevel metallization technology, high yield process 2−20375
VLSI, new lower bound techniques for layout area 2−9725
VLSI, physical limitations of integration and size reduction 2−14934
VLSI, refractory metal silicides appl. 2−5821
VLSI, relations between input and communication/computation 2−9728
VLSI, reliability implications of polyimide multilevel insulators 2−9744
VLSI, role of test chips in coordinating logic and cct. design, and layout aids 2−9740
VLSI, SEM/TEM in process development failure analysis 2−9711
VLSI, semi-custom IC fabrication for digital systems 2−14930
VLSI, shortest path searching algorithm, wave front propagating in four quadrants 2−14960
VLSI, technical and economical limits *(German)* 2−20345
VLSI, tester and test technology *(Japanese)* 2−20336
VLSI, third-generation simulation techniques, review 2−5067
VLSI, three dimensional chips 2−20357
VLSI, upper bounds, census functions approach 2−9726
VLSI, wirability and placement algorithms 2−20358
VLSI 32-bit CPU chip in n-channel Si gate self aligned technology, design philosophy 2−14147
VLSI 432, Intel 32-bit computer, interface processor 2−24552
VLSI 432 general data processor, instruction decoding unit 2−14146
VLSI 432 general data processor, microinstruction execution unit 2−24551
VLSI algorithms, design methodology, synchronous systems optimisation 2−9727
VLSI and LSI chips, probabilistic model for global wiring 2−20354
VLSI array design, wavefront notation tool 2−20363
VLSI channel routing algorithms, provably good 2−20360
VLSI channel-routing problems, lower bounds 2−20362
VLSI chip carrier, high speed multilayer ceramics 2−4658
VLSI circuit design and construction course summary *(Swedish)* 2−20280
VLSI circuit layout and design 2−9067
VLSI circuit mask production techniques and machines used *(Swedish)* 2−25283
VLSI circuits, CAD, review 2−5065
VLSI circuits, design aids, Advanced Study Institute, Urbino, Italy, 21 July-1 August 1980 2−23897
VLSI circuits, herarchical CAD system 2−9721
VLSI circuits, lithographic and etching techniques 2−25324
VLSI circuits CAD layout and design techniques *(Swedish)* 2−25282
VLSI contacts, use of Si_3N_4 and TiN 2−14912
VLSI design, OASIS, automatic design tool for symbolic layout of circuits 2−14965
VLSI design, verification and pattern generation, low cost graphics system 2−1434
VLSI design and simulation, Transistor Electrical Characterisation and Analysis Program, TECAP 2−5064
VLSI design and testing *(Norwegian)* 2−24356
VLSI design methodology, role of CAD tools 2−20364
VLSI design methodology for synchronous logic race and hazard elimination 2−19649
VLSI design methods, impact of testing 2−14966
VLSI design strategies and tools 2−5767
VLSI designability 2−20355
VLSI development, military appl. 2−5782
VLSI dynamic RAMs, alpha-particle effects, simulation models, collected charge in 1 μm devices 2−19682
VLSI dynamic RAMs, open data/folded data line cell struct., stacked capacitor N-well P-MOS cell structs. 2−19684
VLSI electron-beam lithography, multibeam scheme for increased throughput 2−20302
VLSI fabrication, 10 to 1 step-and-repeat projection printer, resolution and overlay precision 2−20367
VLSI fabrication, review of multilayer resist systems for lithography 2−5790
VLSI fabrication, second generation step-and-repeat aligner 2−1420
VLSI fabrication technology, reactive ion beam etching 2−20373
VLSI fabrication using IGFET process technology, optimum silicide systems as gate electrode/interconnect 2−20423
VLSI fabrication using short-channel MOSFETs asymmetric device effects, appl. to NMOS Si-gate technology 2−20414
VLSI FET memories, dynamic RAM cell with readout gain, high α-particle immunity 2−14116
VLSI fine-feature fabrication, photoresist pretreatment in N_2 plasma to improve props. by reduction of flow during postbake 2−20312
VLSI impacts on computer hardware architecture, interconnects, intrachip and interchip 2−19609
VLSI implementable two-dimensional shifting array 2−25288
VLSI industry, engineer shortage and possible solns. 2−8208
VLSI LOCOS technology, local oxidation of Si, two-dimens. process modelling 2−20377
VLSI manufacture, lithographic methods, linewidths, scaling-down laws *(German)* 2−20346
VLSI mask fabrication, ion beam exposure system 2−20371
VLSI memories, use with MOS solid state imaging devices for home TV camera 2−16651
VLSI metallisation, problems and trends 2−5779
VLSI microprocessor on-line testing method 2−5261
VLSI modelling and simulation using APL programs 2−25277
VLSI MOS 1 micron process technology, 256 kbit MOS RAM appl. *(Japanese)* 2−25348
VLSI MOS selective oxidation technology 2−9574
VLSI MOSFETs, bulk charge effects 2−15016
VLSI multichip modules, testing 2−5213
VLSI multilevel interconnect systems, review 2−9591
VLSI parasitic capacitance determination by flux tubes 2−25297

large scale integration continued
VLSI pattern generation, high-current variable-shaped electron beam forming, space charge effect 2−20307
VLSI processing technology, laser-photochemical techniques, appls. 2−20374
VLSI processor architecture and design strategies 2−14173
VLSI production, by new Hewlett Packard electron beam lithography system 2−9528
VLSI production, planar plasma etching of Al alloys in CCl_4 2−14920
VLSI production process, limits in function density *(German)* 2−14892
VLSI products, test generation, level sensitive scan design architecture 2−19608
VLSI reticle/wafer electron-beam array lithography stitching expts., examination 2−20301
VLSI routing algorithms for rectilinear channels 2−20361
VLSI self-testing based on syndrome techniques 2−20379
VLSI Si bipolar transistors, elec. meas. and modelling of emitter base junction behaviour 2−14974
VLSI structured design using gate arrays 2−14963
VLSI structures, neutron-induced hard errors study 2−14970
VLSI submicron MOSFET design using SUBMODAN process/device simulation system 2−20425
VLSI systems and computations, conf., Pittsburgh, PA, USA, 19-21 Oct. 1981 2−18864
VLSI technology, conf., Maui, HI, USA (Sept. 1981) 2−18870
VLSI technology, electron beam and optical stepper lithography, hybrid combination, IC and mask manufacture 2−9539
VLSI technology, ion-assisted plasma etching of SiO_x in multifacet system 2−20351
VLSI technology, manufacturing co-operation in Scandinavia *(Danish)* 2−20279
VLSI technology, optical projection lithography, status in 1981 and trends for decade 2−20366
VLSI technology, reactive ion etching of poly-Si and Al films, dry development of photoresists, dry cleaning of substrate 2−20372
VLSI technology, recessed oxide isolation processing, dry-wet etch hybrid technique for trench formation 2−1407
VLSI technology and computer design problems 2−14171
VLSI technology in 1980s, improvement factors and limitations *(Italian)* 2−14170
VLSI test systems overall timing accuracy anal. and definition 2−22101
VLSI testable design 2−14078
VLSI testing, conf. Philadelphia, PA, USA, October 27-29 (1981) 2−18875
VLSI testing, improved test systems 2−7000
VLSI testing, weighted syndrome sums approach 2−20283
VLSI-oriented design for 3D raster graphics, pixel planes 2−3086
VLSI/LSI circuit pattern element size meas., optical methods 2−1425
VLSI/LSI devices, precision cross-sectional anal. 2−14944
VLSI/LSI technology, lithography, etching, ion implantation, improvements 2−1398
VLSI/SOS circuits testing, by SEM voltage contrast technique 2−5825
VSLI memory technology advancement, effects of 64 kb RAM development 2−1403
wafer design controlling bow and warpage for VLSI lithography 2−14756
WD2001, impact of LSI on cryptography 2−10766
wire-routeing problem for VLSI, optimal soln. 2−9697
X-ray lithography, high-brightness sources, prospects 2−20292
X-ray lithography, high-power exposure system for evaluation of resist processes, mask substrates and alignment 2−20321
X-ray lithography, submicron, do, fabrication 2−20322
X-ray lithography, submicron, high-power source, 13.3 Å wavelength, high-resolution mask exposure 2−20320
X-ray lithography system for submicron techniques *(Japanese)* 2−25112
ZyP IC cell library for custom CAD 2−14990
CMOS/SOS VLSI sub-μm transistor gate, electron-beam/optical hybrid lithog. 2−20405
GaAs, digital, sub-μm transistor gate, electron-beam/optical hybrid lithog. 2−20405
GaAs, digital monolithic IC development *(Czech)* 2−9739
GaAs FET logic IC technology, ultrahigh speed, ring oscillator and freq. divider structs. *(Japanese)* 2−14075
GaAs ICs, for gigabit logic applications 2−14091
GaAs integrated circuit technology, future trends 2−14993
GaAs ion-implanted enhancement/depletion-type MESFET IC technology 2−20397
GaAs LSI digital IC, review 2−15012
GaAs logic ICs, review and exemplification *(Japanese)* 2−19633
GaAs used for VLSI high speed, high density appls. 2−20410
MoS_2:P films for LSI appls. 2−14914
$MoSi_2$ MOS structures, edge defined patterning 2−9733
Si epitaxial film deposition in CVD reactor, transients 2−13817
Si epitaxy for VLSI high performance ICs 2−20177
Si MESFET digital circuit techniques 2−14996
Si wafer, Czochralski grown, photolum. characteris. of thermally-induced defects 2−9412
Si-on-insulator approaches to VLSI 2−25363
TiN film, oxidation kinetics in dry O_2 2−15011
WSi_2 interconnection for VLSI circuits 2−15020

large-scale systems
see also hierarchical systems
10-bus 13-line power system load flow optimisation algorithm, mathematical programming application 2−22781
area decomposition for electromechanical models of power systems 2−22855
decomposition approaches to large-scale multiobjective reliability design 2−4682
design of large scale training games 2−4747
electrical power systems load modelling techniques, implications in stability analysis 2−17654
estimation using decentralised sequential observer with iterative prediction *(Japanese)* 2−17625
fast optimal load-flow under emergency operating conditions 2−22871
feasibly decentralized dynamic compensators in power generation 2−7513
feedback differential equations stability 2−13751
hydro-thermal system generation expansion planning, optimisation-simulation technique 2−17682
hydrothermal power systems, economic operation 2−17662
interconnected large-scale power systems, control of energy interchange 2−17621

large-scale systems continued
interconnected systems, existence and nonexistence of limit cycles 2−387
large scale nonlinear differential equations approximation algorithm 2−513
nonlinear differential equations hierarchical successive approximation algorithm 2−514
perturbation order reduction state decomposition 2−13657
power system, stabilising controller design using pole-assignment technique 2−7512
power system, two-level state estimation for anomalous data anal. 2−7510
power systems, large scale, dynamic behaviour anal. 2−3684
power systems dynamic modelling and control 2−27396
process diagnostics, for large scale systems, current methods and new techniques based on filtering theory 2−8300
project scheduling and control in complex-of-operations framework, comparison 2−4635
telephone network 2−16068
telephone network decentralised control scheme 2−16069

laser accessories
absorption cell evaluation for He-Ne laser stabilised with I_2 vapour *(Slovak)* 2−25804
absorption cell tuned to 1315 nm for I photodissoc. laser, construction feasibility 2−20926
angular encoder, axisymm., short pulse generation for laser fusion 2−6244
Argus 355-nm 90-mm aperture target illum. expts., optical system 2−1990
ATE system for electro-optical units, 3-port 2−26768
beam profile shaping with binary diffr. gratings 2−6256
beamsplitter programs, for TI-59 with PC-100 printer 2−25814
Bragg cell deflection and translation of laser beams with zero freq. shift 2−15357
buried long period grating for laser applications/ 2−1767
calorimeter, heat sink, wire spun Al sphere, laser energy meas. 2−10323
coaxial electron-beam excited UV apparatus for laser gases pumping and microprocessor and controlled laser gas processing and supplying apparatus *(Japanese)* 2−25653
compound interlaced grating development for high energy laser systems 2−1769
computerised optical diagnostic system for UV and visible supersonic flow pulsed lasers 2−10326
dichlorodifluoromethane as dye laser tuning gas, refr.-index meas. 2−15527
diffuser for CO_2 laser, speckle pattern effects 2−6245
digital measuring instrument for operating mechanisms 2−16778
dual-prism laser beam compressor, compact collinear and variable anamorphic, design 2−25813
electro-optic modulators for pulse selection system for CW lasers and time-resolved photon counting 2−1751
electrode fabrication, electroforming process, use in TEA lasers 2−20920
electron gun, hollow cathode, for excitation of CW lasers 2−25817
electron guns, for pulsed electron beam controlled discharge lasers *(Rumanian)* 2−15459
electrooptic devices as laser modulators, using phase change material with reflective, transmissive states 2−15350
etalons, quartz cryst., for far-IR methanol laser interferometer 2−20927
Fabry-Perot reflecting interferometer, for laser wavelength meas. 2−25815
grating tuner, grazing angle, for single-mode operation of colour centre CW laser 2−1984
high powder lasers, folded resonators *(Chinese)* 2−10328
hole grating beam sampler, high energy laser diagnostic tool appl. 2−1768
holographic optical elements for laser radiation spectral and ang. charact. control 2−25862
HV power supply 2−5097
interference-polarisation filter, controllable stage 2−1772
ion-etched gratings for laser applications 2−2048
isochronous storage ring, free electron laser electron source, theory 2−6127
Kerr shutter, krypton triggered, for laser pulse selection 2−20921
laser-pumping flashlamps, failure, reson. mechanism 2−10324
LED pump source for Nd:YAG laser, tight gap pumping cavity 2−25765
liquid polarising filter operating in visible, UV regions, high damage threshold 2−15365
luminescent filters, efficiency of wavelength conversion of laser pump light 2−10104
mirror development, high reflectivity, using cavity-attenuated phase-shift method 2−6242
mirror thermal deform. influence on resonator parameters *(Chinese)* 2−10307
mirrors made of metal-fibre structs. cooled with liq. alkali metals, thermal-deform characts. 2−25818
multibeam collimator using prism stack for surveying 2−6246
multilaser expts., computer-controlled timing system 2−9058
multimode lasers with internal variable lenses, stability and beam divergence 2−15533
numerical control unit aids microcomputer in dye laser fine tuning *(German)* 2−1987
optical isolator for semicond. lasers in 0.8 μm range 2−15364
optical material developments for laser engineering 2−20919
optical system design for transforming laser beam, induced aberration correction 2−1988
optical system error sensing using scattered light 2−25816
passive shutters for Nd:glass lasers, relax. time 2−25819
phase transform. interference optical reflecting material medium for visualisation of pulsed laser radiation 2−15287
photodiode power monitor for high-power gas lasers 2−6247
photodissociation laser with active medium circulation 2−1851
power multiplication in parametric freq. converter with cavity dumper 2−20955
power supply, feedback controlled current stabilised, for CO_2 waveguide laser *(Chinese)* 2−6243
power supply for dye Q-switched lasers, simple charging and triggering cct. *(Chinese)* 2−13934
pulse generators, portable high-power, for laser related uses, performance optimisation 2−772
pulse-shaping cct. for high-press. inert-gas laser excitation 2−9057
pulsed dye laser cell design 2−20924
pump radiation conversion in luminesc. substances 2−20918
pumping energy, continuous regulation in laser power systems 2−15529

laser accessories continued
radio pulse generator, for lasers with high freq. transverse discharge 2−15530
rare gas halide lasers, rare gas recovery system 2−10231
ring laser with 90° Faraday rotator, stimulated emission polarisation and freq. characts., temp. influence 2−1979
ring resonator, dispersive, with diffr. grating as amplitude rectifier 2−1981
sapphire tubes, grown by Stepanov method, use in laser pumps 2−555
sapphire tubes, Stepanov growth, appl. of profiled single cryst. in pulsed pump system 2−1985
sapphire tubes, Stepanov growth, appl. to equalisation in active medium of solid-state laser 2−1986
scanning systems, precision anal. *(Chinese)* 2−15580
servo-control system, freq. and amplitude stabilisation of CW CO_2 laser 2−1870
shared aperture components, spectral shaped 2−1766
spark gaps, triggered and untriggered, power requirements for N_2 laser circuit 2−6154
spectroscopy, one- and two-photon, microcomputer-based data acquisition and laser control circuitry 2−11396
spectrum width meter, pulse and continuous lasers meas. 2−16902
surface and coating laser-induced damage 2−1992
thyristor structure nanosecond switch for Cu vapour excitation by transverse discharge 2−1989
vacuum system operation for use with gas laser 2−20922
wavemeter, multiple-wedge, for pulsed laser absolute wavelength meas. 2−20923
window materials, role of contamination *(Hungarian)* 2−25471
X-ray preionisation source for discharge-excited lasers 2−11883
CO_2 laser, optogalvanic stabilisation using electrodynamic tuning element 2−25681
CO_2 laser optical material characts. 2−20611
GaAs dynistor pulse modulator of the radiation of an injection laser 2−20925
$Ga_xIn_{1-x}As_yP_{1-y}$/InP stripe lasers with chemically etched-mirrors, review 2−25785
He-Ne, CW laser, optical modulation by means of polaroid *(Croatian)* 2−1840
He-Ne laser current-stabilised power supply using rectifier-type const. voltage transformer *(Chinese)* 2−15528
He-Ne laser radiation self-defocusing as result of thermoelastic deforms. of an ebonite reflecting surface 2−2012
I_2 cells verification for stabilised lasers, using Hanle effect 2−10325
Si switch, ultra high speed, for prepulse meas. of laser light *(Japanese)* 2−6106
ZnSe, laser window material, stress-optic coeff. at 10.6 μm, Senarmont compensator meas. 2−1675

laser annealing *see laser beam annealing*

laser beam annealing
CMOS gate oxide damage microanalytical study 2−14753
CMOS invertor with stacked transistors for high density 2−9735
homogenisation of laser beams by means of a diffusing screen coupled to a tube diffuser *(German)* 2−6248
ion implanted material alterations initiated by pulsed laser annealing 2−2069
materials processing, conf., Boston, USA (Nov. 1980) 2−23890
microelectronics fabrication, laser processing research at Texas A&M University 2−9543
molecular ion implantation system for appl. in solar cell prep. 2−5669
MOSFET, polycrystalline Si, lower annealed, field effect electron mobility 2−14879
NMOS transistors, ^{60}Co radiation effects on laser annealed SOS 2−15000
optical waveguide, glass thin-film, low loss, using surface coating and laser annealing 2−6016
p-n mesa diodes, ion implanted, furnace and laser annealed, carrier effective lifetime 2−14831
semiconductor, ion-implantation-induced defect annealing using electron and laser beams *(German)* 2−20210
semiconductor, laser heated, nonlinear dynamic heat transport, carrier diffusion effect 2−1141
semiconductor, thermal analysis of CW laser annealing beyond melt temp. 2−25137
semiconductor device applications of laser processing 2−14750
semiconductor device structs., pulsed laser heating, computer model 2−5715
semiconductor processing, fund. mechanisms, review 2−25125 ✓
semiconductor technology for microelectronics *(Polish)* 2−1259
semiconductor wafers, laser processing *(German)* 2−5652
semiconductors, conference, Oxford, England (April 1981) 2−13150
semiconductors, ion implantation radiation damage annealing by light and electron beam irrad. *(German)* 2−14790
semiconductors, laser annealing, liq. phase and solid-state epitaxial recrystallisation 2−10403
semiconductors, laser annealing technology, recent advances 2−20990
semiconductors, melting phenomena and laser annealing calcs. 2−14799
solar cell p-n junctions formation using pulsed laser processing technology 2−18500
solar cells, process optimisation 2−18592
temperature measurement, in situ, using optical pyrometer, CW Ar laser annealing use 2−25138
Al/n-Si, small area laser beam annealing, subsurface alloying and deep Al penetration 2−1232
Al-n-Si diodes, CW laser processed, elec. props., laser power depend. 2−25187
Au-Ge laser-annealed ohmic contacts on GaAs, microstruct. and resistivity 2−14698
GaAs, ion implanted and laser annealed, residual damage, TEM study 2−14773
GaAs, laser annealing induced defects 2−20078
GaAs:Zn(Mg)(Si)(Se) ion-implanted homojunction solar cells, pulsed ruby laser annealing, SEM, TEM and SIMS meas. 2−18554
GaAs:Zn(Se), ion implanted, annealed, TEM study 2−14772
GaAs/Au-Ge ohmic contacts, laser annealed, resistivity and SIMS profile 2−14697
GaAs-Sn layers, laser annealed, interface struct. and diffusion 2−14699
Ge film, amorphous, laser processing, explosive crystn., liq. layer existence 2−25134

laser beam annealing continued
Ge film, amorphous, scanned laser crystn., phase boundary kinetics meas. 2−25133
InP, ion-implanted, CW laser annealing, amorphous layer recrystallisation 2−1192
InP:Se, ion implanted, pulsed laser annealing 2−14789
$PbTiO_3$ ferroelectric thin film, prep. by sputtering and laser annealing 2−1509
Si, amorphous, dynamics of pulsed laser annealing 2−1307
Si, amorphous, pattern laser annealing by pulsed laser 2−9578
Si, amorphous, rate of CW laser induced solid phase epitaxial regrowth 2−8805
Si, amorphous film, laser annealing, α-particle channelling study *(French)* 2−589
Si amorphous film, laser crystallisation *(French)* 2−8799
Si, amorphous films, explosive crystn. in solid and liq. phases 2−19422
Si, amorphous implanted, phase transitions produced by pulsed laser or electron irrad. 2−25129
Si, computer model of lattice temp., carrier conc. and temp. 2−25127
Si device fabrication applications 2−5664
Si film, implanted, CW laser-induced solid phase epitaxy dynamics, time-resolved reflectivity meas. 2−24307
Si film on sapphire, implanted, laser annealed, dislocations, twins 2−14798
Si high-Q varactor diodes, fabrication method 2−1332
Si, hydrodynamics of a dense plasma created during laser annealing pulses 2−1157
Si IMPATT diodes, fabrication techniques 2−19871
Si, IR spectroscopy appls. 2−20176
Si, implanted, macroscopic electron channelling pattern for laser induced recrystallisation monitoring 2−5535
Si, ion implanted, amorphous, ultrashort pulse laser annealing 2−25135
Si, ion implanted, laser annealing, time-resolved Raman scatt. and transmission meas. 2−25126
Si, ion implanted, materials alterations possible with laser annealing 2−2069
Si, ion implanted, solute trapping after laser annealing 2−25132
Si, ion implanted, supersaturated alloy form. during epitaxial regrowth, substitution solubility limitations 2−25131
Si, ion implanted, threshold energy density for epitaxial recrystn. 2−25128
Si, ion-implanted, surface state effects on laser annealing mechanism *(Russian)* 2−1314
Si island growth on bulk fused SiO_2 by CO_2 laser annealing 2−24309
Si, laser annealed, structural study 2−14796
Si, laser annealing and crystallisation 2−2067
Si, laser heated, nonlinear dynamic heat transport, carrier diffusion effect 2−1141
Si, laser-induced solid-phase crystal growth investigation by time-resolved optical reflectivity 2−590
Si layers, CW laser annealed, EBIC contrast rel. to residual defects, X-ray, TEM, and SEM obs. 2−14752
Si, melting phenomenon and laser annealing 2−2068
poly-Si on SiO_2, laser recrystallised for high performance resistors 2−9242
Si, oxidation by ion implantation and laser irradiation 2−9566
Si, picosecond laser annealing 2−14797
Si, polycryst., recrystallisation by CO_2 laser heating of SiO_2 2−1301
Si, polycrystalline film, on amorphous substrates, CW laser recrystn. 2−1149
Si polycrystalline thin films, laser annealed, integrated circuit appl., review 2−20066
Si, pulsed laser annealing, ambipolar excess carrier diffusion effects 2−5545
Si, rel. to LPE *(Japanese)* 2−1166
Si self-aligned structures using laser annealing 2−9533
Si single cryst. production on insulating substrate 2−25113
Si solar cell, ion implanted; laser annealed, substrate heating and emitter dopant effects 2−4335
Si solar cell fabrication, p-n junction form., laser annealing of ion-implanted substrates 2−23495
Si solar cells, ion-implanted, effects of laser and electron beam annealing 2−18502
Si solar cells, laser-annealed, comparison between ion-beam and glow discharge implantation 2−18501
Si solar cells, laser-processed, effect of emitter dopant concentrations on open circuit voltage and fill factor 2−18499
Si, solid phase epitaxial growth, effect of surface struct. and surface absorbates 2−8823
Si wafers, laser annealing, light-absorbing layer 2−5654
Si:As, CW laser and electron beam annealed, Rutherford backscatt. and SIMS anal. 2−25108
Si:As, implanted, CW Ar laser annealing, in situ temp. meas. using opt. pyrometer 2−25138
Si:As, implanted, CW laser annealed, real-time monitoring of opt. props. 2−25136
Si:As, implanted, laser or electron beam annealed, defect form., electron beam induced current study 2−25139
Si:As(P), polycryst. film, CW laser annealing, SiO_2, Si_3N_4 substrate material effect 2−5690
Si:As(P), polycryst. film, pulsed and CW laser annealing 2−14771
Si:B, As, short channel MOSFET and n^+-p junction diode, fabrication using ion implantation and laser annealing 2−14871
Si:$B^+(P^+)(As^+)$, solar cells, prep. by ion implantation and pulsed laser annealing, optical and elec. characterisation 2−12862
Si:BF_2^+, amorphous, elec. activation and impurity redistribution during pulsed laser annealing 2−24921
Si:B(As)(In), pulsed laser annealing, melting phenomena 2−25155
Si:Bi, furnace and laser annealed, backscatt. and channelling anal., depth distrib. 2−25107

laser beam applications
see also holography; integrated optics; laser beam annealing; laser beam machining; laser beam welding; laser isotope separation; measurement by laser beam; modulation spectroscopy; optical communication; optical radar; patient treatment; plasma production and heating by laser beam; Raman spectra; Raman spectroscopy; remote sensing by laser beam; spectroscopy; surgery; two-photon spectroscopy
aircraft laser communications acquisition & tracking flight tests 2−11092
analysis of combined system for controlling laser-mirror scanner *(Russian)* 2−15582

laser beam applications continued
bar code deciphering device *(French)* 2−10402
bar-code reader for record albums, hand-held scanner 2−15584
biology and medicine, overview 2−11890
bistable optical device using semiconductor laser diode and photodetector 2−2003
blue-green lasers for naval C^3 appls. 2−2071
bubble chambers, narrow bubble track formation by laser beam 2−11844
Chinese characters, laser phototypesetter *(Chinese)* 2−10396
coagulation equipment for endoscopic haemostatis in gastro-intestinal tract for skin vascular anomalies treatment 2−7340
coherent optical processor, for antenna arrays signals processing *(Russian)* 2−2367
colour separation, hand-colour lithographs to laser-scanned transparencies 2−15581
conference, optical systems and appls., Utrecht, The Netherlands (Sept. 1980) 2−8135
confined laser heating and formation of bird's beak-free recessed oxide isolation 2−14910
corneoscleral coagulator based on Yb-Er:glass laser 2−27199
dermal lesion coagulation using Ar ion laser 2−17412
designator, laser to sensor automatic boresight 2−7381
digital audio disc systems, using laser pickup sensors *(German)* 2−26684
disc storage, digital data and video recording, laser appls. 2−10394
displays, audio-controlled 2−15579
dynamic RAM, 64K, yield improvement with laser programmed redundancy 2−24528
electronics production appl. 2−10398
electrophotographic photoreceptor for laser recording with GaAlAs-lasers, aluminium selenide based 2−15649
electrophotographic properties of Se-Te 2−15648
electrophotographic system, laser printhead beam power servo for reduction in exposure pot. variation 2−15631
electrophotography, basic equations of electrostatic fields in reversal development 2−21047
electrophotography, near infrared sensitivity of CdSe:Cu binder layers 2−15651
electrophotography, sensitivity of 'Organic photoconductors for laser imaging' 2−15647
electrophotography, structure and properties of Se-Te 2−15650
electrophotography, two color laser beam printer 2−15646
electrophotography using laser diodes, modulated light source 2−15593
F-like centre laser development and potential appls. *(Chinese)* 2−6194
fiber-optic laser gyro with easily introduced phase-difference bias 2−20618
fibres, single-mode, driven by semicond. CW BH laser, automatic electrooptic polarisation control system 2−9991
fluids, stimulated Mandelstam-Brillouin scatt., use of lasers with saturable filters 2−2061
future trends in manufacturing technology 2−75
gasdynamic laser with working medium heated by high temp. regenerative heat exchanger, metallurgical use 2−25883
handbook of semiconductor laser diodes and appls. 2−8142
He-Ne/I_2 laser as a frequency standard in the visible spectrum 2−25888
HF freq. multiplier Doppler signal, laser velocity meter appl. *(Russian)* 2−890
high energy laser device technology for military appls., overview 2−6176
holographic intensity correlator using a laser cathode-ray tube 2−25869
holographic laser scanner for high resolution imaging appls. 2−10390
holographic laser scanner for nonimpact printing, hologon beam deflector design 2−2035
I^2L, high performance through laser recrystallised poly-Si 2−20383
IC debugging using laser stripe cutting system 2−5795
image reconstruction using laser beam system *(French)* 2−22205
IMPATT oscillators, FM noise reduction by laser illumination 2−14299
industrial applications, overview 2−10393
information processing applications 2−15586
interferometry, piezoceramic shifters characts. *(Polish)* 2−6286
intersatellite links using laser beams 2−16453
Josephson steps produced by optical beams 2−1608
laser electrophotographic printing technology 2−21037
laser-enhanced plating without reducing agent or external EMF source 2−5702
LaserVision Optical Videodisc system, for storage and retrieval of colour TV pictures 2−16679
liquid cryst. display laser addressing, light to heat convertor using p-n photodiode 2−10079
low power laser-addressed liquid crystal projection display device 2−25553
M-ary and spread spectrum, appls. to laser communications 2−26509
materials processing, conf., Boston, USA (Nov. 1980) 2−23890
medical laser applns., laser scalpels, hemostatic treatment 2−3506
medical laser devices, applications and status 2−11957
Megadoc electronic filing system, laser recording on digital optical disc electronic office appl. *(Dutch)* 2−6282
metals, laser-plasma processing at high gas press. 2−25887
methanol far-IR laser interferometer, quartz cryst. etalons 2−20927
microelectronics fabrication, laser processing research at Texas A&M University 2−9543
microsoldering, productivity improvement 2−20010
microsurgery trends, wet-field CO_2 laser technique 2−17411
modern entertainment, art and architecture 2−25881
monolithic IC technology, laser-induced connection of self-aligned via-less interconnection scheme, Ti-Cu-Ti metallization 2−25285
moving material, automatic surface inspection method *(German)* 2−124
neoplasm diagnosis and therapy, haematoporphyrin derivative and laser phot oirrad. appls. 2−17406
ophthalmic surgery, use of ruby, Ar and CO_2 lasers 2−7341
optical discs, laser diode uses 2−2959
optical heterodyne communication expt. with single-mode optical fibre using freq.-stabilised He-Ne lasers 2−1713
optical inspection systems, pattern preprocessor for increased resolution 2−10400
optical intersatellite link technology assessment 2−2760
overhead wire detection techniques for helicopters 2−12022
PC laser pattern generator imaging machine, using computer control 2−9308
PCB artwork generation, laser controlled high density photoplotting onto glass media 2−24779
PCB laser microsoldering using CO_2 laser 2−24806
PCB manufacture, laser imaging 2−5441
laser beam applications continued
Philips digital laser-scanned audio recording system, characts. *(German)* 2−22022
Philips VLP video disc recorder with laser reading system *(Italian)* 2−16658
photobiology and photomedicine, review 2−17410
phototypesetter, laser, with four electro-optical modulators *(Chinese)* 2−10397
photovoltaic module failure anal. using Solar Cell Laser Scanner, design, expt. results 2−23603
polyimide film, laser processing 2−14751
polyimide films, line deletion and personalisation parameters, optical optimisation 2−25889
polymer electret film, polarization distrib. determ. using periodic heating 2−22354
print parameters in laser printing 2−15640
printer, component identification operations appl. 2−23976
printer using simple scaning system 2−15641
printing, high efficiency symmetrical scanning optics 2−15642
printing, modular raster output scanner 2−15643
process optimisation in laser material processing 2−10404
refractory metal thin film structures, direct writing by laser photodeposition 2−8833
remote-sensing technology status, review 2−3589
research and applications, review *(French)* 2−15428
ring laser gyro navigator advanced development model, flight test results 2−7388
ring laser gyroscopes, for internal navigation systems 2−20991
robot, multi-sensor system using three-dimensional vision 2−7093
scanner control system response speeds, problem of improvement *(Russian)* 2−25884
scanner design, low-cost 2−20994
scanner for computer-generated holograms 2−10391
scanning laser acoustic microscope, operational details and appls. 2−7454
scanning laser acoustic microscope examination of solar cells and solar cell welds 2−18582
scanning recorder, high-speed, hybrid 2−2962
scanning system, using resonant oscillating mirror, bi-aspheric correcting lens 2−21002
scanning systems, precision anal. *(Chinese)* 2−15580
scintillation counter hodoscope, laser based time and amplitude calibration system 2−22476
semiconductor, laser-induced solid phase epitaxial growth, monitoring using time-resolved opt. reflectivity 2−8816
semiconductor device applications of laser processing 2−14750
semiconductor laser applications in Japan for fibre communication and information processing *(German)* 2−25797
sensor system consisting of semiconductor laser and external cavity, sources and configs. 2−7091
Shuttle landing guidance system, precision spatial calibration 2−17495
Si, monocrystalline, laser-induced diffusion of variously deposited surface dopants 2−12902
signal classification for automatic industrial inspection 2−8296
solder joint inspection on PCBs using laser-pulse heat injection and IR thermal sensing 2−9322
space based laser communications, tracking and fine pointing control 2−16455
space-based nuclear power stations, appls. of power beaming 2−17916
spacecraft-ground laser communications expt. 2−11093
strapdown attitude and heading reference system utilizing ring laser gyros 2−7382
strategic laser communications via satellites 2−11094
surface alloying, bibliography 2−2058
technology, recent advances 2−20990
telemetering, conf., San Diego, CA, USA (Oct. 1980) 2−10818
terawatt laser nonfusion appls. 2−6284
therapeutic applications using Ar ion and Nd:YAG lasers 2−7342
thermocline-type cylindrical enclosure for heat storage in solar power plants, effects of walls on axisymmetric natural convection flows 2−25886
travelling-wave device, laser induced, for generating MM waves 2−9227
tunable mid-IR difference-frequency generator 2−2019
typesetting development, automated, laser role 2−2064
ulcers, bleeding, laser coagulation treatment using Ar and Nd:YAG lasers 2−11962
ultrasonic defectoscopy of highly absorptive materials, use of single-pulse laser 2−24342
urological applications of CO_2 laser radiation 2−11961
video disc system, using laser optics *(German)* 2−21978
video discs, encoding schemes 2−26646
VLSI processing technology, laser-photochemical techniques, appls. 2−20374
weapon system, Space Shuttle developments, preparation for second launch 2−12018
xerographic recording, non-reversal, laser character generation methods *(Hungarian)* 2−10401
xerography, laser diode appls. 2−15594
xerography, laser scanning system appls. 2−2070
xerography, optimum scanning parameter and latitudes 2−15639
AlGaAs laser, used for digital audio recording system *(German)* 2−22024
$BaTiO_3$ photorefractive-index gratings formed by nanosec. optical pulses 2−2038
C, amorphous and graphitised foils, differences in stripper qualities 2−11746
C stripper foils comparative performance in Argonne FN tandem 2−11747
CO_2 laser communication technology for intersatellite data links 2−2774
CO_2 laser drilling of high density printed circuit boards 2−1043
CO_2 laser microsoldering, for PCB components using microprocessor control 2−9304
CO_2 laser surgery of head and neck tumors 2−11960
Cs/W-Re electron emitter, pulsed laser driven 2−1098
Cu_xS-CdS ungridded solar cell material, defect detect. by laser scanning 2−23584
GaAs laser, dye-in-polymer films for ablative optical recording 2−20609
GaAs photoconductive switch, laser-driven, picosecond microwave pulse generation 2−1796
GaAs:Sn, laser implantation, impurity distrib. 2−20184
n-GaAs:Sn, laser-assisted doping from Sn evaporated films, ohmic contact form. 2−20194

laser beam applications continued
GaAs-$Al_{0.2}Ga_{0.8}Sb$ non-lattice matched stacked solar cells, laser bonding 2−23630
GaAs-GaAlAs injection lasers, state of the art, operating parameters and limitations rel. to appls. 2−6223
Ge counters, laser-doped Li contacts 2−11797
N_2 gas laser photolysis system, microcomputer controlled, appls. *(Japanese)* 2−6255
N_2 laser, for UV pulsed interferometry and holography 2−2052
Si counters, laser-doped Li contacts 2−11797
Si film, polycryst., recrystn. using laser beam profiling technique 2−25885
Si, laser induced oxidation 2−14794
Si, meno- and polycrystalline, As doping using laser-induced diffusion 2−9564
Si microelectronics technology, laser processing 2−9542
Si, minority carrier lifetime inhomogeneities, liq. rectifying contacts, laser scanning tech. 2−1158
Si, p-n junction, fabrication by laser irrad. pulses 2−9497
Si sheet growth by ribbon-to-ribbon process, scanned CO_2 laser beam appl., solar cell fabrication 2−23570
Si, single cryst. on oxide, CW laser induced lateral seeding process 2−8826
Si solar cell fabrication, p-n junction prep., one-step photochem. doping process using ArF excimer laser 2−23494
Si wafer surface defect checking machine FLAWS *(French)* 2−11353
Si:B(P), laser chemically doped, elec. props. 2−9403
Si:H, amorphous hydrogenated, reactive laser evaporation 2−594
Si:Sn(Fe), laser implantation, impurity distrib. 2−20184
Si-on-oxide (100) MOSFET fabrication by scanning CW-laser-induced lateral seeding technique 2−25236

laser beam effects
see also laser beam annealing; plasma-beam interactions; plasma production and heating by laser beam
damage thresholds of thin film coatings at 532, 355 and 248 nm 2−1994
dielectric reflectors, laser UV damage resist. under multiple-shot irrad. 2−6254
dye-jet laser pumped by second harmonic of Q-switched mode-locked Nd^{3+}:YAG laser 2−20850
electron beam momentum modulation by laser fields, coherent optical radiation obs. 2−10340
interaction of laser with target obs., high-speed cinematography and interferometry developments 2−10341
magnetic bubbles interaction with elastic shock waves induced by laser pulse 2−15148
materials processing, conf., Boston, USA (Nov. 1980) 2−23890
mirrors made of metal-fibre structs. cooled with liq. alkali metals, thermal-deform. characts. 2−25818
optical coating damage thresholds at 0.351 μm 2−1995
optical glass, K-8, laser induced bulk damage 2−20941
optical material destruction in crossed Nd^{3+}:YAG laser beams of various frequencies 2−20930
optical thin-film coating, pulsed laser-induced damage, expt. results 2−6251
optical thin-film coating, pulsed laser-induced damage, theory 2−6252
photochemistry at surfaces for microelectronic appls. 2−1318
plates, elastic and viscoelastic, thermal lens form. due to laser nonuniform heating 2−25851
polymers, transparent, laser damage mechanism assoc. with their viscoelastic props. 2−20937
resonator parametric optical oscillator, phosphate glass laser pumped, spectrally bonded picosecond pulse generation 2−25831
semiconductor wafer defect control, gettering procedures 2−14741
spark gaps, laser triggered, expt. study *(Chinese)* 2−14547
surface alloying, bibliography 2−2058
surface and coating laser-induced damage 2−1992
Cu mirror, laser-induced pitting at 10.6 μm, surface prep. method effect 2−6253
GaAs heteroepitaxial layer deposited by laser pulse, condensation mechanism 2−19407
GaAs, laser oxidation, expt. study 2−9577
GaAs MOS structures, charge trapping in anodic native oxide under pulsed laser illum. 2−20144
GaAs, oxidation, optically enhanced with visible laser light 2−14788
GaAs, pulsed UV laser photochemical doping, solar cell prod. 2−9563
Ge-Se:Ag films, photo and electrochem. doping, AES and XPS study 2−25145
GeH_4 UV laser photodissociation for low temp. polycryst. Ge film growth 2−24318
InP, oxidation, optically enhanced with visible laser light 2−14788
InSb, epitaxial growth by laser evaporation, pulsed heating of substrate effect 2−24304
NaCl, focused laser beam deform., multiphoton polaron and avalanche optical breakdown models 2−6250
Nd:glass laser radiation damage of K8 glass containing inclusions 2−10335
SF_6, resonantly enhanced degenerate four-wave mixing, unequal CO_2 laser pump intensity effects 2−25833
Se-Te bilayer structural changes by laser writing 2−1774
Si amorphous layer induced by UV laser pulse, laser induced oxidation via O trapping 2−1317
Si bipolar transistors, ruby laser pulsed radiation effects on electrophys. characts. 2−1358
Si film, polycryst., recrystn. using laser beam profiling technique 2−25885
Si, laser damage gettering and lifetime improvement appl. 2−9406
Si, laser-induced amorphous, adsorpt. of O, expt. study 2−25164
Si, oxidation, optically enhanced with visible laser light 2−14788
Si polycrystalline film, surface stabilisation during laser recryst. 2−5696
Si, pulsed UV laser photochemical doping, solar cell prod. 2−9563
Si:As, implanted, laser or electron beam annealed, defect form., electron beam induced current study 2−25139
Si:As, ion implanted, polycrystn. film, laser irrad., elec. props. grain size, annealing effect 2−9404
SiH_4, UV laser photodissociation for low temp. polycryst. Si film growth 2−24318
SiO_2-Ta_2O_5 waveguide dielec. thin films, refr. index var. due to laser irrad. and annealing 2−10005
Te AR trilayers, wavelength-depend. laser marking characts., 400-700 nm 2−1773

laser beam effects continued
TlBr-TlI (KRS-5) optical fibre high-power CW CO_2 laser beam transmission capabilities 2−20650
TlCl-TlBr KRS-6 single crystals, vol. radiation strength correl. with other optical characts. 2−9969
Yb^{3+}, Er^{3+}:glass, volume and surface optical strength meas. at 1.54 μm 2−20613
ZnTe, laser induced O diffusion, photoluminesc. study 2−25141

laser beam machining
film driver using thin film IC technology, functional laser trimming 2−1053
fission reactor fuel cycle, laser beam machining appls. 2−15589
functional laser trimming of automotive electronics 2−1072
heat transfer models 2−2063
industrial manufacturing appl. for laser cutting *(German)* 2−15591
laser assisted metalworking technology, naval appl. 2−23814
microelectronics, conf., Tokyo, Japan (May 1980) 2−5
monolithic IC laser trimming, automatic focusing and alignment 2−14949
nontraditional processing techniques for improved productivity 2−15588
numerical control of workpieces in industrial production *(German)* 2−15590
process optimisation in laser material processing 2−10404
review of laser processing of materials 2−25890
techniques and appls. *(German)* 2−10406
thick film ccts., laser trimming process optimization for speed rel. to power and freq. 2−14534
thick film circuits for telecommunications equipment 2−1054
thick film resistors, laser trimming, high speed, effect on accuracy and stability of resistors 2−19995
thick-film resistors, principles, techniques and recommendations 2−24727
thin film technology for Bell System telecommunication ccts. 2−1052
trimming, appl. in electronics prod. 2−10398
trimming techniques, wafer processing for hybrid and monolithic IC technology 2−15595
ultrasonic laser-machining using CO_2 laser, fundamental study 2−2060
Ta_2N thin film resistors, using laser-machining techniques 2−24827

laser beam welding
electric connector contact elements, torque-resistant laser welded cylinders 2−6288
flexible printed wiring, laser welding to connectors 2−974
laser assisted metalworking technology, naval appl. 2−23814
miniature relay manufacture, production laser welding system design and construction 2−5413
numerical control of workpieces in industrial production *(German)* 2−15590
process optimisation in laser material processing 2−10404
pulsed laser welding, defects in melting pool *(Chinese)* 2−25879
review of laser processing of materials 2−25890
techniques and appls. *(German)* 2−10406
weld formation, focusing conditions effects 2−8113

laser beams
see also holography; laser frequency stability; Schwarz-Hora effect
acousto-optic intensity modification of a Gaussian laser beam 2−15538
acousto-optic intensity modification of a Gaussian laser beam 2−20933
adaptive optics, state-of-the-art report, atm. turbulence and thermal blooming correction 2−15550
amplifier ultimate parameter estimation, spatial filtering 2−20866
amplifying system high-power pulse shaping 2−6257
angular encoder, axisymm., short pulse generation for laser fusion 2−6244
Argus 355-nm 90-mm aperture target illum. expts., optical system 2−1990
atmosphere, Over-the-Horizon optical scatter propag. meas. in marine boundary layer 2−15544
atmosphere propagation, anal. of target signatures for laser altimeters 2−27260
atmospheric scintillation in Shanghai, effects on laser engineering *(Chinese)* 2−25823
beamsplitter programs, for TI-59 with PC-100 printer 2−25814
commercial lasers, life testing, reliability 2−10339
control in diffused waveguide by normal elastic waves in substrate 2−10028
CW beam propagation through moving stagnation zone, thermal blooming 2−6260
detecting laser illumination for military countermeasures, coherence discrimination using interferometer fringes 2−6076
diffuser for CO_2 laser, speckle pattern effects 2−6245
direction determination, by polarisation meas. of reflected beam 2−15536
distribution shape analysis, sharpness and asymmetry methods 2−15537
dual-prism laser beam compressor, compact collinear and variable anamorphic, design 2−25813
dye Halo laser, two-dimens. operation *(German)* 2−25740
dye oscillator with interferential wedge in short cavity, Fourier-limited pulses 2−1918
effective bandwidth increase expts. in Nd:glass laser fusion driver 2−1996
electrooptic modulation by amorphous As-S thin film optical waveguide 2−20691
ergodicity of laser light in optical fibre transmission 2−10018
FSK heterodyne detect. expts. using semicond. laser transmitter and local oscillator 2−2783
Gaussian laser beam spot radius meas. by scanning knifeedge *(Chinese)* 2−15535
high power laser beam deformation during passage through imaging optical elements 2−1993
high power laser system, apodisation influence on radiation characts. in geometrical focus 2−10333
high power lasers, folded resonators *(Chinese)* 2−10328
high-powered laser system, beam propag. model 2−15543
holographic laser beam dynamic correction method 2−20970
homogenisation of laser beams by means of a diffusing screen coupled to a tube diffuser *(German)* 2−6248
hot spot intensity in multimode laser beams 2−6249
impulse duration meas. device *(Bulgarian)* 2−7218
intensity distribution meas. using digitised TV 2−22416
intensity tester 2−22415
intensity/phase autocorrelator for ultrashort optical pulse meas. 2−17147
intrinsic optical bistability based on self-focusing 2−2023
IR laser beam, model of transmission through water droplet aerosol under thermal self-action 2−20962
metallic waveguide systems for collecting, directing, and shaping 3 kW laser beams 2−10022

laser beams continued
multielement amplifier systems, evolution of local perturbations 2−25762
multiline ring resonator, injection locking 2−10338
optical fibre, multimode, transmitted laser signal, amplitude fluctuation 2−6014
optical system design for transforming laser beam, induced aberration correction 2−1988
picosecond light pulses, generation using wavefront inversion 2−10356
picosecond optical pulse waveform, single-shot meas. using optical fibres and Pockels cell 2−10334
polar diagram dynamic control, using Fabry-Periot interferometer *(Russian)* 2−1991
profile shaping with binary diffr. gratings 2−6256
profiling technique, appl. to polycryst. Si film recrystn. 2−25885
pulse compression in cholesteric liquid cryst. 2−1998
pulse energy measurement using bulk absorpt. laser calorimeter with semicond. thermopiles *(Chinese)* 2−17077
pulse length measurement using dye lasing based on DFB 2−25821
pulse properties and fast mol. relax. process investigation using combined laser-induced grating and transient-absorpt. expts. 2−10330
pulse shaping by partial switching of resonator losses 2−15519
pulse shaping for laser fusion 2−10336
pulsed laser radiation energy meter *(Russian)* 2−20931
pulsed laser radiation visualisation using phase Transform. interference optical reflecting material 2−15287
pulsed light energy meas. using bulk-absorpt. laser calorimeter *(Chinese)* 2−17078
radiation protection *(German)* 2−7356
radiometer for laser beam power meas., characts. and performance, temp. radial gradient meas. *(Rumanian)* 2−11496
reflection with reversal of wave front, mean field 2−25825
regenerative diode laser pulser 2−25766
restricted laser beams, calculation and investigation of spatial parameters *(Russian)* 2−20932
ring laser with two-scale amplitude corrector, diffr. splitting of opposing wave freqs. 2−20915
self-channelling, atm. propag. of high-power laser pulses 2−2008
spectrum width meter, pulse and continuous lasers meas. 2−16902
stimulated Brillouin scatt., spectral reproduction 2−25855
subnanosecond pulses in dye lasers, develop. using spiking phenomena and regenerative oscill. effect 2−15467
time-space structure of radiation deform. in absorbing-amplifying laser system 2−15542
ultrashort light pulse generation in laser with bleachable filter by intracavity generation of Raman emission 2−6259
UV laser beam diagnostics using Dylux instant image photographic material 2−25820
visible laser line freq. difference meas. up to 170 GHz using MIM point contact diodes 2−11642
wavefront curvature measurement by diffr. imaging *(Chinese)* 2−15534
wavelength measurement, absolute, using multiple-wedge wavemeter 2−20923
wavelength measurement using Lambda metre resolution enhancement using novel freq. metre 2−11647
CO_2 and He-Ne laser sum-freq. mixing in proustite, CO_2 laser wavelength meas. 2−25842
CO_2 isotopic 10-μm laser radiation mixing in room-temp. Schottky diode, 2−5363
HCN CW subMM laser construction, output wavelength meas. *(Chinese)* 2−25676
Nd:glass laser, tailored pulse reflection from stimulated Brillouin scatt. mirror 2−10337
Nd:YAG actively mode-locked laser, pulse duration meas. using noncollinear SHG 2−10276
Nd:YAG laser fourth harmonic (266 nm) 90 degree phase matched generation in 90 percent deuterated KD*P 2−25836
Nd^{3+}:YAG active passive mode-locked pulses, temporal shape analysis 2−15494

laser cavity resonators
acetylene combustion product gasdynamic laser 2−25706
acid-base compound solns., stimulated emission characts., protolytic reaction rate influence 2−6188
active-passive mode-locked oscillator generating nanosecond pulses 2−1926
annular resonator, coated cone performance 2−1970
arbitrarily stratified optical cavity with output coupling 2−16476
concentric, semi-concentric resonators with circular mirrors, reson. mode field distrib., diffr. theory *(Chinese)* 2−10308
coupled ring laser, mode extinction under generation *(Russian)* 2−10319
design for stable fundamental mode operation in solid state laser 2−6238
detuning effect on fluctuation props. 2−25702
DH diode lasers, CW constricted, spectral mode content, facet reflectivity effect 2−6212
dye, narrow-band linearly scannable IR lasing between 1.09 and 1.12 μm 2−6190
dye Halo laser, two-dimens. operation *(German)* 2−25740
dye laser, CW, passively mode-locked, theory 2−25735
dye laser, CW, synchronously mode-locked and internally freq.-doubled, anal. 2−25737
dye laser, flashpumped, two-freq., high power short pulse generation 2−15540
dye laser, injection locked flashlamp pumped, cavity resonances, narrow bandwidth oscillation 2−6192
dye laser, laser pumped, subnanosecond pulse generation, cavity length change effect 2−10252
dye laser, pulsed, tuning using compound cavity *(Chinese)* 2−1973
dye laser, single-mode pulsed 2−25745
dye laser, thin film optical waveguiding evanescent, with corner reflecting resonator 2−1916
dye laser, ultrashort cavity, picosecond laser pumped, theory 2−1975
dye laser resonator, grating tuned, beam expanding prism influence on linewidth and expansion ratio 2−15524
dye laser subnanosec. narrow linewidth pulse generation by grazing-incidence on two gratings 2−6185
dye lasers, mode-locked pumping theory 2−20849
dye oscillator with interferential wedge in short cavity, Fourier-limited pulses 2−1918
dye single-mode CW laser, Michelson mode selectors, spatial hole burning compensation 2−6177

laser cavity resonators continued
dyes, Eastman Kodak types A 9740 and A 9860, mode-locked laser oscill. using self-pumped phase-conjugate refl. 2−6240
emission kinetics of laser pumped by short pulses 2−6258
Fabry-Perot interferometers, use at IR and microwave frequencies 2−20913
far IR hybrid laser with TEM_{00} output beam 2−10202
far IR lasers, resonator configs. for pumping, operational techniques *(German)* 2−25698
far-IR lasers, CW optically pumped, developments 2−20783
folded resonator for high power lasers *(Chinese)* 2−10328
free electron laser, 3.2 μm, optical autocorrel. function 2−25808
free electron laser cavity resonator mode theory 2−25811
free electron laser with waveguide cavity, magnetic resonant 3-D kinetic theory 2−25812
free-electron lasers, multimode, with inhomogeneous freq. broadening, quasi-linear theory 2−25656
Fresnel reflection halo lasers, planar laser action of 2D disc-shaped active material 2−10321
gas laser, Gaussian beam, theory *(French)* 2−15451
gas laser, two-mode, with phase anisotropy in const. mag. field 2−1890
HCN laser, far-IR, CW, cavity length stabilization system 2−20914
holographic optical elements for laser radiation spectral and ang. charact. control 2−25862
intracavity adaptive optic compensation of phase aberrations, passive small equiv. Fresnel no. resonator 2−10309
intracavity generation laws of SHG *(Russian)* 2−10345
intracavity saturable absorber, gain function, dispersive effects 2−15526
laser, phase sensitivity and linewidth narrowing Fox-Smith configured semiconductor 2−25775
losses, programmed modulation, laser generation 2−15518
methanol pumped by isotopic CO_2 lasers, submillimetre laser line obs. and assignment 2−25678
methyl isocyanide, optically pumped MM wave CW laser lines, 823, 938 and 2140 μm 2−1849
mirror thermal deform. influence on resonator parameters *(Chinese)* 2−10307
multiline ring resonator, injection locking 2−10338
multimode lasers with internal variable lenses, stability and beam divergence 2−15533
off-axis laser resonators with two foci, stability conditions 2−1976
open resonator, diffr. power losses for symm. perturbed curved reflectors 2−1969
optical material developments for laser engineering 2−20919
optical system error sensing using scattered light 2−25816
passive shutters, LiF F_2-centres 2−15531
phase aperture resonators, selective props., lowest transverse mode 2−6241
phase conjugate mirror resonator for CW dye laser 2−10322
phase-conjugate resonator sensitivity to intracavity phase perturbations 2−1974
picosecond dye laser, synchronously pumped, theory 2−25732
plane resonator with quadratically nonuniform medium, natural oscill. modes 2−25806
Pockels 2−20690
power multiplication in parametric freq. converter with cavity dumper 2−20955
pulse shaping by partial switching of resonator losses 2−15519
pulse source, subnanosecond, at 118 nm, Nd laser harmonic conversion 2−2001
pulse transmission, ultrashort, through waveguide resonator with distributed Bragg mirrors 2−1980
pump cavity design around flashlamp 2−15522
Raman light-guide laser, ultrashort pulse generation 2−15496
regenerative amplifier development at the Laboratory for Laser Energetics 2−1982
rhodamine 6G dye laser with compounds resonator pumped by Xe-ion laser 2−10265
rhodamine 6G flash-lamp pumped dye laser, cavity dumped PTM mode operation *(Chinese)* 2−10255
rhodamine 6G halo type dye laser, panoramic radiation *(French)* 2−25736
rhodamine 6G mode-locked CW dye laser, subpicosec. pulse internal amplification 2−15474
rhodamine 6G single-mode CW dye laser radiation single freq. SHG enhancement in reson. ring resonator 2−6186
ring laser with 90° Faraday rotator, stimulated emission polarisation and freq. characts., temp. influence 2−1979
ring laser with clipper, laws governing emission 2−25809
ring lasers, fluctuations and transitions at instabilities 2−15525
ring resonator, dispersive, with diffr. grating as amplitude rectifier 2−1981
rooftop resonator, far-IR self-isolating cavity for optically pumped laser 2−20917
ruby passively mode-locked laser construction, transient stimulated Raman scatt. in liqs. 2−15495
semiconductor laser, linear and ring external-cavity, active mode locking 2−6206
solid-state ring lasers, 2−1977
strip resonators, unstable, mode degeneracy, simplified calc. 2−20911
telescopic resonators for large-vol. TE_{00} mode operation 2−10315
TEM_{00}-thermoinsensitive cavity in presence of several thermoperturbations *(Chinese)* 2−1972
toroidal mirror unstable-stable resonators 2−15513
tunnel mode locking feasibility in lasers 2−20940
tunnel mode locking theory *(Russian)* 2−10320
ultrashort light pulse generation in laser with bleachable filter by intracavity generation of Raman emission 2−6259
unstable optical resonator, mode restriction characts. *(Chinese)* 2−25803
unstable resonator laser, optoacoustic instability 2−1978
unstable resonator with mirror misfigures, near field phase calc. 2−1971
wide-aperture plane resonator field investigation 2−20916
AlGaAs constricted double-heterojunction diode lasers, structs. and electrooptical characts. 2−20894
AlGaAs DH laser, highly RF modulated, effect of cavity length on picosecond pulse generation 2−15516
AlGaAs DH laser amplifiers, signal gain, freq. bandwidth, saturation output power 2−10332
AlGaAs diode laser, subpicosecond coherent optical pulse generation by passive mode locking 2−25767
AlGaAs-GaAs laser with external dispersive resonator, bistable operation and spectral tuning 2−20938

laser cavity resonators continued
CO pulsed laser having selective and nonselective resonators, spectral characts. 2−25822
CO_2 1.5 kW laser with excitation in a transverse RF-discharge *(German)* 2−6158
CO_2 amplifiers, electron-beam-controlled, inversion recovery following saturated extraction 2−1905
CO_2 gasdynamic laser, three-freq. periodic pulse, energy capabilities 2−25722
CO_2 gasdynamic laser with electric-arc heating, stimulated emission at 18.4 μ 2−20830
CO_2 high-speed flow electrodischarge laser with active medium transverse pumping, amplification parameter calc. *(Russian)* 2−1859
CO_2 laser, high press. CW, output power, self-absorption effects 2−1853
CO_2 laser, pulsed, metallised film mirror with variable curvature 2−10318
CO_2 laser with annular resonator, performance with polariser in annular leg 2−15515
CO_2 laser with intracavity diffr. selector, emission spectrum 2−20813
CO_2 lasers, high-power nanosec. pulse generation, new approach 2−20787
CO_2 pulsed laser, electron-beam-controlled, operating regime optimisation 2−20800
CO_2 sequence band TEA laser, multi-joule pulses 2−1834
CO_2 TE continuously tunable laser using three mirror resonator, single mode operation 2−1869
CO_2 TEA laser, tunable single longit. mode output 2−10222
CO_2 TEA laser mode-locking, gas lenslike effect influence *(Chinese)* 2−25675
CO_2 tunable laser, spectral tuning using intracavity spatial filtering 2−6170
CO_2 tunable pulsed laser 2−6159
CO_2 tunable TEA laser with intracavity NaCl prisms as dispersive elements *(Chinese)* 2−15437
CO_2 tunable waveguide laser with high transverse mode and line discrimination 2−25685
CO_2, waveguide laser, effect of resonator-mirror curvature on output power 2−10317
CO_2 waveguide lasers containing diffr. grating, coupling losses 2−20837
CuII UV laser optimisation 2−10198
DF pulsed chemical laser with diffr.-limited beam divergence 2−25707
D_2O high power pulsed ring resonators in far IR 2−20832
D_2O vapour, laser emission 2−20795
(GaAl)As injection lasers, mode locking study 2−10290
$Ga_{1-x}Al_xAs$ electron-beam-pumped laser, oxide film influence on threshold current density 2−20943
GaAs buried optical guide laser, passively mode-locked, subpicosecond pulses 2−1941
GaAs laser, actively mode locked, subpicosecond pulse generation in external ring cavity 2−15517
GaAs lasers, longitudinal mode control using three mirror active passive cavity 2−10306
GaAs single-mode DH lasers using three-mirror active-passive cavity, longit.-mode control 2−10304
GaInAsP-InP laser transmitter module, external cavity controlled single longitudinal mode 2−15506
$Ga_xIn_{1-x}As_yP_{1-y}$/InP stripe lasers with chemically etched-mirrors, review 2−25785
HCN sub-MM wave laser, intensity modulation with Schottky barrier diode 2−20945
He-^{22}Ne laser, freq. stabilisation by CH_4 intracavity polarisation spectroscopy 2−1856
He-Ne frequency stabilised laser, optical feedback effects 2−10305
He-Ne laser, high power, single freq. operation anal., resonant cavities 2−1875
He-Ne laser, simple method for single-freq. operation and stabilisation 2−6138
He-Ne laser stabilised with I_2 vapour, absorpt. cell evaluation *(Slovak)* 2−25804
He-Ne/methane laser with periodically varying optical length, nonliner absorber influence on radiation parameters 2−6169
He-Zn II laser using natural Zn, single-mode operation, 492.4 nm 2−25682
HgBr X-ray preionised electric-discharge laser, scaling studies 2−6173
I photodissociation laser using C_2H_5I, resonator design and output characts. *(Korean)* 2−10219
InGaAsP short cavity single-mode 1.3 μm lasers with evaporated high-reflectivity mirrors 2−20882
$In_{1-x}Ga_xAs_yP_{1-y}$ ultrashort cavity lasers, optically pumped, picosec. operation, 0.83-1.59 μm 2−10297
KrF laser, electron-beam-excited, 1.6 GW litre^{-1} atm^{-1} pump power density 2−25711
Kr_2F laser, broad band, electron beam pumped 2−20790
$LiNdP_4O_{12}$ lasers, FM mode-locked, gigabit optical pulse generation 2−25749
NH_3 far IR intracavity laser pumped by TE CO_2 laser 2−20836
Nd laser with long resonator, self-mode-locking problem 2−25757
Nd:glass laser, deterministic passive mode locking 2−15480
Nd:glass mode-locked laser oscillator with intra-cavity pulse selection by Pockels cell shutter 2−15484
Nd:YAG laser, longit. mode self-locking 2−20942
Nd:YAG laser, passive mode locking and freq. modulation and doubling 2−1934
Nd:YAG laser, using LED pumping, tight gap pumping cavity 2−25765
Nd:YAG laser with passive longit. mode locking 2−1933
Nd:YAG lasers, high power subnanosec. pulse generation 2−15539
Nd:YAG pulsed output of single spectral lines at 1.064. 1.073, 1.061 and 1.052 μm *(Chinese)* 2−6195
Nd:YAG Q-switched TEM_{00} mode laser with telescopic resonator, high power single freq. operation 2−15493
Nd:YAG ring laser with mode locking and unidirectional lasing 2−25753
Nd:YAG solid state laser, polarisation charact. of emission 2−15489
Nd^{3+}:YAG, travelling wave laser, frequency stabilisation using an intraresonator selector 2−10316
Nd^{3+}:YAG CW laser radiation static polarisation-modulation charact. control using intracavity electrooptic modulator 2−20865
Nd^{3+}:YAG CW laser radiation, efficient intracavity SHG in $LiIO_3$ cryst. 2−20967
Nd^{3+}:YAG continuously pumped laser with strong intracavity modulation, optimisation and stability 2−20874
Nd^{3+}:YAG laser, continuously pumped, transient processes, forced mode locking 2−15488
laser cavity resonators continued
Nd^{3+}:YAG laser with LiF cryst. containing F_2 centres passive switch, spectral characts. 2−20873
Nd^{3+}:YAG tunable laser with electrooptic Q switching 2−1930
rectangular metallic waveguide resonator performance evaluation near 1.2 mm wavelengths 2−20912
XeCl laser, injection-locked, unstable resonator based, picosecond high power extraction 2−25802
Xe_2Cl laser, broad band, electron beam pumped 2−20790
XeF laser, broad band, electron beam pumped 2−20790
XeF laser, transform-limited-bandwidth injection locking with Ar-ion laser at 3511 Å 2−20806
YAG:Nd^{3+} pulsed laser, kinematic mode synchronisation 2−10273
ZnSe single crystals, lasing and luminesc., one- and two-photon excitation 2−20869

laser frequency stability
DFB dye lasers, ultrashort pulse generation, energy characts. 2−25733
diode laser source limitations for fibre interferometer sensor systems 2−10038
dye laser, frequency locking to Ne absorpt. line and output spectrum reduction 2−1923
dye laser frequency control on at. reference scanned by mag. field *(French)* 2−6191
far-IR lasers, CW optically pumped, developments 2−20783
free electron laser instability for relativistic annular electron beam propag. through helical wiggler field 2−20778
gas laser, two-frequency operation, stability limit, tuning range calcs. 2−6155
He-Ne/I_2 laser as a frequency standard in the visible spectrum 2−25888
ring laser stabilisation for gas flow meas. 2−15585
ring laser with 90° Faraday rotator, stimulated emission polarisation and freq. characts., temp. influence 2−1979
strapdown ring laser with no freq. locking, for optically biased laser gyro 2−1983
wavelength meas. using Fabry-Perot reflecting interferometer 2−25815
CO laser, intensity modulation, freq. stabilisation and tuning by extracavity Stark cell 2−20939
CO_2 CW laser, freq. and amplitude stabilisation using servo control system 2−1870
CO_2 heterodyne laser rangefinder using pulse compression 2−11121
CO_2 high-power military waveguide laser 2−10247
CO_2 hybrid TEA laser, freq. sweeping, origin 2−20796
CO_2 laser, freq. stabilised design, appls. 2−1876
CO_2 pulsed RF waveguide laser, gain-switched output 2−1871
CO_2 waveguide laser, optogalvanic stabilisation and offset tuning 2−25824
GaAlAs laser frequency stabilisation using automatic freq. control system 2−6226
HF small scale CW laser, freq. stability 2−25687
He-^{22}Ne laser, freq. stabilisation by CH_4 intracavity polarisation spectroscopy 2−1856
He-Ne frequency stabilised laser, optical feedback effects 2−10305
He-Ne laser, methane-stabilised, rel. to third harmonic of 10.2 μm R(30) transition of CO_2 laser, - freq. difference *(Japanese)* 2−6160
He-Ne laser, simple method for single-freq. operation and stabilisation 2−6138
He-Ne laser power stabilisation *(Russian)* 2−6156
He-Ne laser stabilized by methane saturated dispersion spectrum 2−15453
He-Ne/methane stabilised laser, freq. meas. *(Russian)* 2−6165
He-Xe frequency offset locked laser, performance at 3.51 μm 2−10205
I_2 cells verification for stabilised lasers, using Hanle effect 2−10325
Nd:YAG laser with passive longit. mode locking 2−1933
Nd^{3+}:YAG, travelling wave laser, frequency stabilisation using an intraresonator selector 2−10316
Nd^{3+}:YAG continuously pumped laser with strong intracavity modulation, optimisation and stability 2−20874
Nd^{3+}:YAG laser, continuously pumped, transient processes, forced mode locking 2−15488

laser isotope separation
No entries

laser magnetic resonance
free electron laser with waveguide cavity, magnetic resonant 3-D kinetic theory 2−25812

laser mode locking
acousto-optic mode-locking, highly stable, using active feedback 2−6161
active-passive mode-locked oscillator generating nanosecond pulses 2−1926
coumarin 102 synchronously pumped dye laser, improved performance by operating at increased repetition rate 2−6183
dye CW laser passive mode locking with contacted and non-contacted absorbers 2−6179
dye laser, CW, mode-locked, synchronously pumped, pulse emission obs. using streak-camera 2−6189
dye laser, CW, passively mode-locked, theory 2−25735
dye laser, CW, synchronously mode-locked and internally freq.-doubled, anal. 2−25737
dye laser, CW mode-locked, pumped directly by Ar ion laser, near IR picosecond pulse generation 2−25730
dye laser, flashlamp-pumped, injection locking at small injection powers 2−15473
dye laser, hard mode locking 2−10314
dye laser, tunable picosecond pulse generation, 750 to 780 nm by passive and synchronous modelocking 2−10261
dye lasers, mode-locked pumping theory 2−20849
dye ring lasers, synchronously pumped and hybrid, subpicosecond pulse generation 2−6239
dye-jet laser pumped by second harmonic of Q-switched mode-locked Nd^{3+}:YAG laser 2−20850
dyes, Eastman Kodak types A 9740 and A 9860, mode-locked laser oscill. using self-pumped phase-conjugate refl. 2−6240
mode-locked optically pumped lasers, lethargic gain and short pulse generation 2−20835
multiline ring resonator, injection locking 2−10338
phosphate glass laser oscillator, mode-locked and Q-switched 2−10270
picosecond dye laser, synchronously pumped, theory 2−25732
picosecond pulse generation, using semicond. lasers, review *(Japanese)* 2−20899
pulse energy and stability regions in passively mode locked dye laser with linear cavity config. 2−20839

laser mode locking continued
pulse selection system using electro-optic modulators for CW lasers and time-resolved photon counting 2−1751
regenerative amplifier development at the Laboratory for Laser Energetics 2−1982
rhodamine 6G dye laser, output spectrum alteration under mode locking conditions 2−25739
rhodamine 6G halo type dye laser, panoramic radiation *(French)* 2−25736
rhodamine 6G mode-locked CW dye laser, subpicosec. pulse internal amplification 2−15474
ring dye laser, subpicosec., CW, passively mode-locked, time-resolved fluoresc. spectroscopy appls. 2−20840
ring laser, travelling wave, subpicosecond pulse generation using synchronous double-modulation 2−6237
ruby passively mode-locked laser construction, transient stimulated Raman scatt. in liqs. 2−15495
semiconductor laser, linear and ring external-cavity, active mode locking 2−6206
semiconductor laser diode, synchronously pumped, mode-locked, picosecond pulse generation 2−25768
semiconductor laser injection locking, expt. obs. of asymmetric detuning characts. 2−25777
stilbene 3 synchronously pumped dye laser, improved performance by operating at increased repetition rate 2−6183
tunnel mode locking feasibility in lasers 2−20940
tunnel mode locking theory *(Russian)* 2−10320
AlGaAs diode laser, subpicosecond coherent optical pulse generation by passive mode locking 2−25767
AlGaAs mode-locked diode lasers, oscillation characts. of coherent ultrashort optical pulses 2−15511
AlGaAs/GaAs, semiconductor laser amplifiers *(Japanese)* 2−20898
Ar ion laser, active mode locking by acousto-optic AM modulation *(Chinese)* 2−6133
Ar^+ laser, active mode-locking using temp. compensated acousto-optic modulator *(Chinese)* 2−15436
Ar^+ laser, actively mode-locked, charact. obs. using scanning interferometer *(Chinese)* 2−10192
Ar^+ laser, passive mode locking using rhodamine 110 dye saturable absorber, optical bistability 2−15432
CO_2 TEA laser mode-locking, gas lenslike effect influence *(Chinese)* 2−25675
D_2O mode-locked optically pumped lasers, lethargic gain and short pulse generation 2−20835
(GaAl)As injection lasers, mode locking study 2−10290
GaAs buried optical guide laser, passively mode-locked, subpicosecond pulses 2−1941
GaAs laser, actively mode locked, subpicosecond pulse generation in external ring cavity 2−15517
He-Sr recombination laser, freq. tuning and mode self-locking, 430.5 nm 2−25715
HgBr laser, injection locking 2−1910
HgBr laser, line narrowing and enhanced efficiency by injection locking 2−10188
$LiNdP_4O_{12}$ lasers, FM mode-locked, gigabit optical pulse generation 2−25749
Nd laser with long resonator, self-mode-locking problem 2−25757
Nd:glass laser, deterministic passive mode locking 2−15480
Nd:glass mode-locked laser oscillator with intra-cavity pulse selection by Pockels cell shutter 2−15484
Nd:YAG active acousto-optic mode-locked pulse laser *(Chinese)* 2−10266
Nd:YAG actively mode-locked Q-controlled laser, high repetition rate single picosecond pulses 2−10276
Nd:YAG laser, longit. mode self-locking 2−20942
Nd:YAG laser, mode-locked, electro-optically controlled 2−6197
Nd:YAG laser, passive mode locking and freq. modulation and doubling 2−1934
Nd:YAG laser with antireson. ring struct., colliding pulse mode locking 2−15479
Nd:YAG laser with passive longit. mode locking 2−1933
Nd:YAG passively mode-locked laser, quantitative theory and expt. 2−10277
Nd:YAG ring laser with mode locking and unidirectional lasing 2−25753
Nd:YAP passively mode-locked laser *(Chinese)* 2−10267
Nd^{3+}:YAG active passive mode-locked pulses, temporal shape analysis 2−15494
Nd^{3+}:YAG laser, continuously pumped, transient processes, forced mode locking 2−15488
Nd^{3+}:YAG laser with LiF cryst. containing F_2 centres passive switch, spectral characts. 2−20873
Nd^{3+}:YAG ring laser with acousto-optic mode locking, competitive effects 2−25756
XeF laser, transform-limited-bandwidth injection locking with Ar-ion laser at 3511 Å 2−20806
XeF laser with longitudinal discharge excitation, spontaneous mode locking 2−1864

laser modes
see also laser mode locking
annular resonator, coated cone performance 2−1970
beam profiling technique, appl. to polycryst. Si film recrystn. 2−25885
channel-guide injection laser, leaky mode operation 2−10285
color centre CW laser, grazing angle grating tuner for single-mode operation 2−1984
concentric, semi-concentric resonators with circular mirrors, reson. mode field distrib., diffr. theory *(Chinese)* 2−10308
coumarin 102 synchronously pumped dye laser, improved performance by operating at increased repetition rate 2−6183
coupled ring laser, mode extinction under generation *(Russian)* 2−10319
DFB lasers, effect of complex coupling coeff. 2−25651
DFB semiconductor lasers with chirped grating, axial-mode selectivity and threshold gain 2−6224
DH diode lasers, CW constricted, spectral mode content, facet reflectivity effect 2−6212
diode lasers, longitudinal mode spectra 2−25776
dye laser, CW, with phase-conjugate mirror, longit. modes and aberration-correction props. 2−15477
dye laser, flashlamp-pumped, injection locking at small injection powers 2−15473
dye laser, injection locked flashlamp pumped, cavity resonances, narrow bandwidth oscillation 2−6192
dye laser, single-mode pulsed 2−25745

laser modes continued
dye laser, ultrashort cavity, picosecond laser pumped, theory 2−1975
dye lasers, CW, multimode, quantum intensity fluctuations, intracavity laser spectroscopy sensitivity 2−25742
dye lasers, mode coupling, semiclassical theory *(Chinese)* 2−15468
dye single-mode CW laser, Michelson mode selectors, spatial hole burning compensation 2−6177
dye single-mode pulsed laser, design criteria and operating characts. 2−6178
free electron laser, oscillation mechanism for relativistic electron beam immersed in transverse static mag. field 2−20781
free-electron lasers, multimode, with inhomogeneous freq. broadening, quasi-linear theory 2−25656
gas laser, Gaussian beam, theory *(French)* 2−15451
gas laser, two-frequency operation, stability limit, tuning range calcs. 2−6155
high powder lasers, folded resonators *(Chinese)* 2−10328
injection heterojunction laser with high pulsed power 2−10300
injection laser structure, high-powered 2−25789
injection lasers, single mode power-gain curve, universal function, expt. determ. 2−25794
intracavity adaptive optic compensation of phase aberrations, passive small equiv. Fresnel no. resonator 2−10309
ion laser, nonlinear effects in generation *(Russian)* 2−10242
molecular lasers, powerful, in submm. region *(Russian)* 2−1860
multimode oscillation threshold, broadening ratio calc. 2−15427
multiple-quantum-well laser, formulae for no. of modes 2−10007
resonators with phase apertures, selective props., lowest transverse mode 2−6241
rhodamine 6G flash-lamp pumped dye laser, cavity dumped PTM mode operation *(Chinese)* 2−10255
ring laser with active amplitude isolator, single freq. mode of generation *(Russian)* 2−10312
ring laser with clipper, laws governing emission 2−25809
ring lasers, fluctuations and transitions at instabilities 2−15525
ring resonator, with cross-sectionally varying anisotropy, oscill. eigenmodes 2−10310
spatial distribution shape analysis, sharpness and asymmetry methods 2−15537
stilbene 3 synchronously pumped dye laser, improved performance by operating at increased repetition rate 2−6183
strip resonators, unstable, mode degeneracy, simplified calc. 2−20911
telescopic resonators for large-vol. TE_{00} mode operation 2−10315
TJS sigle-mode high-power crank struct. laser diodes, CW 15-mW operation test 2−10303
two-mode lasers, correl., transients, bistability and phase-transitions analogy 2−6265
unstable optical resonator, mode restriction characts. *(Chinese)* 2−25803
AlGaAs constricted DH laser, low threshold current temp. sensitivity 2−15508
AlGaAs constricted double-heterojunction diode lasers, structs. and electrooptical characts. 2−20894
AlGaAs DH laser, highly RF modulated, effect of cavity length on picosecond pulse generation 2−15516
AlGaAs DH laser amplifiers, signal gain, freq. bandwidth, saturation output power 2−10332
AlGaAs oxide stripe CW lasers, spatial mode stability during aging 2−6215
AlGaAs window stripe laser, optimum design conditions, stable fundamental lateral transverse mode 2−6207
$Al_xGa_{1-x}As$ buried heterostruct. laser, single mode operation by loss stabilisation 2−6210
AlGaAsSb/GaInAsSb/GaSb laser, light confinement and divergence 2−25826
Ar^+ laser, actively mode-locked, charact. obs. using scanning interferometer *(Chinese)* 2−10192
CO pulsed laser having selective and nonselective resonators, spectral characts. 2−25822
CO_2 16-μm bending-mode laser system 2−1902
CO_2 laser, sealed-off single-mode type, characts. and performance *(Rumanian)* 2−10232
CO_2 TE continuously tunable laser using three mirror resonator, single mode operation 2−1869
CO_2 tunable laser, spectral tuning using intracavity spatial filtering 2−6170
CO_2 tunable waveguide laser with high transverse mode and line discrimination 2−25685
CuCl laser, burst-mode, temp. depend. 2−6148
D_2O high power pulsed ring resonators in far IR 2−20832
GaAlAs DH injection laser, coherent reception, multimode effects 2−26856
(GaAl)As injection laser linewidth measurements, CW longit. mode struct. 2−6234
(GaAl)As single-mode injection laser, power-depend. linewidth meas. 2−6235
GaAlAs single-mode laser, dynamic wavelength tuning 2−6236
GaAlAs/GaAs, DH single-mode injection lasers for optical fibre communication 2−10399
GaAs DFB laser, optically pumped, with variable grating period, mode selectivity and threshold gain 2−6224
GaAs lasers, longitudinal mode control using three mirror active passive cavity 2−10306
GaAs single-mode DH lasers using three-mirror active-passive cavity, longit.-mode control 2−10304
GaAs/AlGaAs TJS lasers, gain suppression 2−6205
GaInAsP buried crescent laser emitting at 1.52 μm, dispersion effects 2−25781
GaInAsP-InP DFB buried heterostruct. lasers, CW operation in 1.5 μm wavelength region 2−20891
GaInAsP-InP injection laser, fabrication and output characteristics 2−1944
GaInAsP-InP laser transmitter module, external cavity controlled single longitudinal mode 2−15506
GaInAsP-InP mode-controlled long wavelength lasers, BH, MSB and TS types 2−6225
$Ga_xIn_{1-x}As_yP_{1-y}$/InP terraced substrate single-mode laser 2−10289
$Ga_xIn_{1-x}As_yP_{1-y}$-InP laser, 1.3 μm, index-guiding struct. grown on terraced substrate 2−1964
He-Cd II hollow cathode metal vapour lasers, oscill. spectra, 533.7 and 537.8 nm lines 2−25683

laser modes continued
He-Ne CW laser, optical modulation by means of polaroid *(Croatian)* 2−1840
He-Ne laser, high power, single freq. operation anal., resonant cavities 2−1875
He-Ne two-mode ring laser, two-time correl. meas. 2−15541
He-Zn II, hollow cathode metal vapour lasers, oscill. spectra, 492.4 nm line 2−25683
He-Zn II laser using natural Zn, single-mode operation, 492.4 nm 2−25682
I photodissociation laser using C_2H_5I, resonator design and output characts. *(Korean)* 2−10219
InGaAsP inverted rib-wavelength lasers, fabrication and operation characteristics 2−15505
InGaAsP long-wavelength laser devices, recent developments 2−10301
InGaAsP modulated single-longit. mode semicond. laser and fibre transmission characts. at 1.55 μm 2−10331
InGaAsP ridge waveguide laser performance at 1.3 μm 2−10302
InGaAsP short cavity single-mode 1.3 μm lasers with evaporated high-reflectivity mirrors 2−20882
InGaAsP/InP Z 2−10399
InGaAsP-InP plano-convex waveguide 1.3 μm laser, transverse mode stabilisation 2−1946
$In_{1-x}Ga_xAs_{1-y}P_y$-InP buried-crescent laser diode 1.3 μm fundamental transverse mode and life test 2−1968
$LiNdP_4O_{12}$ lasers, laser-diode pumped, spike-mode oscills. 2−10268
N_2 atmospheric laser, travelling-wave mode *(Chinese)* 2−10195
NaF (F_2^+)*-centre laser, CW tunable single-mode operation in near IR 2−25746
Nd laser with long resonator, self-mode-locking problem 2−25757
Nd:YAG Q-switched TEM_{00} mode laser with telescopic resonator, high power single freq. operation 2−15493
PbSnTe buried heterostructure lasers, longitudinal mode behaviour 2−15503

laser radar *see optical radar*

laser theory
see also laser transitions; population inversion; stimulated emission
absorbing-amplifying laser system, deform. of radiation time-space struct. 2−15542
bidirectional amplification with nonsaturable absorption and amplified spontaneous emission 2−1847
broadening ratio calc. from multimode oscillation threshold 2−15427
chemical lasers, gas flow, inhomogeneous and collisional broadening, models *(Chinese)* 2−20785
Cherenkov Raman free electron lasers, theoretical and expt. performance 2−25663
detuning effect on fluctuation props. 2−25702
DFB laser with strong periodic modulations, theory based on complex Hill eqn. 2−25662
DFB semiconductor lasers with chirped grating, axial-mode selectivity and threshold gain 2−6224
DH lasers, self-consistent static model 2−1947
diode laser, narrow-stripe gain-guided, spontaneous emission factor 2−15507
diode lasers, introduction 2−6222
distributed-loss laser, nonlinear splitting of longit.-type oscills. 2−20777
dye laser, CW, passively mode-locked 2−25735
dye laser, hard mode locking 2−10314
dye laser, laser pumped, subnanosecond pulse generation, rate eqn. model 2−10253
dye laser, ultrashort cavity, picosecond laser pumped, theory 2−1975
dye lasers, mode coupling, semiclassical theory *(Chinese)* 2−15468
dye lasers using mixed dyes, output props. and energy transfer 2−20853
emission kinetics of laser pumped by short pulses 2−6258
far IR lasers, high power, freq. tuning and efficiency enhancement 2−25725
fluoromethane-d_3, vibrational lasing 2−10201
free electron Cherenkov laser model, S-matrix theory 2−20775
free electron laser, 3-D nonlinear theory 2−15424
free electron laser, coherent and incoherent radiation with axial guide field 2−10182
free electron laser, nonlinear theory 2−25660
free electron laser, oscillation mechanism for relativistic electron beam immersed in transverse static mag. field 2−20781
free electron laser, stimulated emission of bremsstrahlung in periodic mag. field 2−20774
free electron laser, three dimensional nonlinear theory 2−20770
free electron laser cavity resonator mode theory 2−25811
free electron laser introduction 2−1831
free electron laser theory, quantum and classical aspects 2−15430
free electron laser theory 2−1830
free electron laser with waveguide cavity, magnetic resonant 3-D kinetic theory 2−25812
free electron lasers, collective effects on operation, with axial guide field 2−25664
free electron lasers, gain mechanism for helical and planar magnet arrays, one-dimens. anal. 2−15426
free electron lasers, multiphoton processes, EM wave amplification *(Russian)* 2−10183
free-electron laser amplifier, design considerations and simulation 2−10181
gas laser, Gaussian beam, theory *(French)* 2−15451
gas laser, two-frequency operation, stability limit, tuning range calcs. 2−6155
gas lasers, saturation intensity and gain, flow effects *(Chinese)* 2−6130
injection lasers, single mode power-gain curve, universal function, expt. determ. 2−25794
injection lasers, threshold and oscillation, review of laser theory 2−25798
injection-locked passively Q-switched lasers 2−25652
intracavity saturable absorber, gain function, dispersive effects 2−15526
ion laser, nonlinear effects in generation *(Russian)* 2−10242
isochronous storage ring, free electron laser electron source, theory 2−6127
multi-photon lasers, quantum theory 2−20776
multiphoton lasers and multiphoton instability, unified approach 2−6126
near millimetre wave sources, gas phase approach 2−6149
near MM-wave coherent radiation, ideas for efficient generation 2−20782
operation with output feedback pumping, phase transition analogy 2−15431
optical bistable circuit, laser-amplifier-based, proposal and anal. 2−25834

laser theory continued
optically pumped gas laser with common pump and lasing level, kinetic model 2−6150
optimally guided EM interactions, with two level waves and lasers *(Croatian)* 2−10178
organic solution laser, coaxial pump props., influence of laser efficiency 2−6181
picosecond dye laser, synchronously pumped, theory 2−25732
plane resonator with quadratically nonuniform medium, natural oscill. modes 2−25806
power multiplication in parametric freq. converter with cavity dumper 2−20955
Q-switched pulse train laser theory *(Chinese)* 2−6125
radiative collisional laser amplifier, theoretical and expt. evidence 2−10250
Raman light-guide laser, ultrashort pulse generation 2−15496
resonator losses, programmed modulation, laser generation 2−15518
Rhodamine 6G, aq. solns., influence of surface active materials on laser efficiency 2−6182
ring laser beats with resonator frequency, noise perturbations effects 2−25805
ring laser with clipper, laws governing emission 2−25809
ring laser with detuning, self-pulsing 2−15523
ring lasers, fluctuations and transitions at instabilities 2−15525
semiconductor laser, intrinsic resonant frequency magnitude 2−1940
semiconductor laser, modulation response, lateral carrier diffusion effect 2−1951
semiconductor laser spectrum-narrowing ratio determ. by optical feedback 2−20888
semiconductor laser with magnetoacoustic transitions, threshold characts. calc. 2−1929
semiconductor lasers, heavily doped 2−6208
semiconductor lasers, nonlinear circuit model 2−10296
semiconductors, laser radiation, submicron, from exciton transitions excited by external source 2−25752
solid-state laser with negative feedback, periodic output stability 2−15498
swept-gain three-level amplifier, pendulum eqns. 2−1827
telescopic resonators for large-vol. TE_{00} mode operation 2−10315
three-energy-level laser system, non-equilib. steady state *(Chinese)* 2−25649
time dependent laser equations for finite phase memory decay constant/ 2−1826
tunnel mode locking theory *(Russian)* 2−10320
ultrashort light pulse generation in laser with bleachable filter by intracavity generation of Raman emission 2−6259
unstable resonator laser, optoacoustic instability 2−1978
(Al,Ga)As DH injection laser with asymm. gain distrib., computer model 2−25786
Ar-N_2 with pumping by high-current charged particles beam, numerical model 2−6167
Cu vapour laser, multiparameter optimisation 2−20811
HCl chemical laser, H_2+Cl chain reaction mechanism feasibility, isothermal model 2−1886
He-H_2 recombination laser excited by continuously operating electron beam, impracticability 2−1883
He-Ne cascade laser, two-photon amplification 2−10221
^{3}He-Ne laser, CW nuclear pumped, lasing transition theory 2−15450
I amplifier, high-energy, beam-quality-determining processes 2−1843
I chemically pumped laser as fusion driver, modeling 2−6142
KrF short-pulse laser operation, kinetic issues 2−1845
NH_3 optically pumped laser with common pump and lasing level, kinetic model 2−6150
Nd:glass high-peak-power laser systems, book 2−1935
YAP, orthorhombic crystals, lasing process, thermal effects *(Chinese)* 2−15481

laser transitions
see also laser theory
chemical lasers, gas flow, inhomogeneous and collisional broadening, models *(Chinese)* 2−20785
colour centre lasers, M^+-centre transitions, 0.8 to 2.0 μm 2−10274
colour-centre crystal solar-radiation-pumped CW laser, feasibility study 2−1932
deuterated fluoroform SMMW laser transitions optically pumped by tunable CO_2 waveguide laser 2−25684
deuterated methylene fuoride SMMW laser transitions optically pumped by tunable CO_2 waveguide laser 2−25684
1,1-difluoroethylene SMMW laser transitions optically pumped by tunable CO_2 waveguide laser 2−25684
dye lasers, mode-locked pumping theory 2−20849
fluoromethane, 496 μm transition, resonant pumping case, lethargic gain 2−1866
fluoromethane-d_3, vibrational lasing 2−10201
gas laser, two-mode, with phase anisotropy in const. mag. field 2−1890
metal vapour recombination laser transitions in expanding plasmas 2−20808
methanol pumped by isotopic CO_2 lasers, submillimetre laser line obs. and assignment 2−25678
methyl alchohol, CH_3OH and CD_3OD, optically pumped, Stark effect in subMM laser lines 2−15457
methyl alcohol, optically pumped, FIR laser lines, meas. and assignments 2−15452
methyl bromide, optoacoustic spectrum, far IR laser action by pumping with waveguide CO_2 laser 2−20834
methyl fluoride distributed feedback laser, optically pumped, 496 μm wavelength 2−25728
methyl fluoride-d_3, $^{13}CD_3F$, optimally pumped, sub MM wave laser emission 2−6145
methyl isocyanide, optically pumped MM wave CW laser lines, 823, 938 and 2140 μm 2−1849
near millimetre wave sources, gas phase approach 2−6149
operation with output feedback pumping, phase transition analogy 2−15431
semiconductor laser with magnetoacoustic transitions, threshold characts. calc. 2−1929
tetrafluoromethane laser, isotopically pumped, isotope effects 2−25694
two-mode lasers, correl., transients, bistability and phase-transitions analogy 2−6265
Ag hollow cathode CW ion laser at 4788 Å *(Chinese)* 2−10193
Ag ion UV and IR hollow-cathode laser, operating characts. 2−10197
Au ion UV and IR hollow-cathode laser, operating characts. 2−10197

laser transitions continued
CO electron-beam-controlled discharge laser, kinetics and energy characts. 2−20798
CO laser, intensity modulation, freq. stabilisation and tuning by extracavity Stark cell 2−20939
CO pulsed laser having selective and nonselective resonators, spectral characts. 2−25822
CO_2 electron-beam-controlled discharge laser, kinetics and energy characts. 2−20798
CO_2, freq.-selective stimulated emission in 16 μm band, resonator pulsed Q-switching 2−1882
CO_2 gasdynamic laser, gain and vibr. temps. meas. and calc. 2−25718
CO_2 gasdynamic laser with electric-arc heating, stimulated emission at 18.4 μ 2−20830
CO_2 high-pressure amplifiers, continuously tunable signal amplification 2−1895
CO_2 laser, third harmonic of 10.2 μm R(30) transition, rel. to methane-stabilised He-Ne laser, freq. diffe- rence *(Japanese)* 2−6160
CO_2 TEA laser, emission lines in 10.4 and 9.4 μm bands 2−1878
CO_2 TEA laser, simultaneous high-power pulsed lasing on lines of first two sequence bands 2−1892
CO_2 TEA laser emitting lines in 00^02-$(10^01,02^01)_{I,II}$ bands, output parameter investigation 2−6168
$^{13}CO_2$ laser hot band transitions, heterodyne freq. meas. 2−10327
CO_2-$C^{16}O^{18}O$ laser, optically pumped in 4.3 μ band, lasing investigation in 24- and 38-μ region 2−25673
CaO, CW laser action using F^+-centres, 357-420 nm tunable range 2−1927
Cd, blue-green atomic laser using CdI_2 photodissociation, 508.6, 480.0 nm laser lines 2−6146
Cu II hollow cathode laser characts. 2−10226
Cu ion UV and IR hollow-cathode laser, operating characts. 2−10197
Cu vapour laser, active medium gain investigation 2−20826
D_2O, 385 μm transition, adiabatic Raman case, lethargic gain 2−1866
Dy^{2+}:CaF_2, pot. as continuously tunable far-IR laser 2−25748
Er^{3+}:YAG crystals, stimulated emission spectrum due to self-saturating transitions 2−15499
$Er_3Al_5O_{12}$:Ho^{3+}(Tm^{3+}), cross-cascade stimulated ion emission 2−15497
GaInAsP-InP DH diode lasers emitting at 1.5 μm grown by LP-MO CVD 2−25782
H_2 electron-beam-controlled discharge laser, kinetics and energy characts. 2−20798
HD VV 2−20798
HN_3 far IR laser, reson. pumping 2−10196
He/Cl_2 laser, electron beam pumped, 258 nm 2−25679
He-Ne cascade laser, two-photon amplification 2−10221
He-Ne laser line profile and width meas. at 6328 Å using optogalvanic spectroscopy *(Chinese)* 2−15443
He-Ne/methane laser with periodically varying optical length, nonliner absorber influence on radiation parameters 2−6169
He-Zn hollow cathode laser discharge, He^+ density, intensity ratio method meas. 2−15454
He-Zn II laser using natural Zn, single-mode operation, 492.4 nm 2−25682
^{3}He-Ne laser, CW nuclear pumped, lasing transition theory 2−15450
^{3}He-Xe laser, nuclear pumped, lasing at 2.63 μm 2−1837
Hg blue-green atomic laser using HgI_2 photodissociation, 546.1, 435.8 nm laser lines 2−6146
HgBr short pulse discharge laser 2−1912
Ho^{3+}:$BaYb_2F_8$ crystal energy transfer mechanism to 2-μ lasing channel 2−20870
I laser transition at high press., saturation energy density and line profile 2−1842
InGaAsP-InP plano-convex waveguide 1.3 μm laser, transverse mode stabilisation 2−1946
$^7Li_2$ laser transitions asignment, Ar^+ and Kr^+ laser pumping 2−6151
N atomic laser action in hollow cathode discharge 2−15447
N_2 laser, intense output at 3577Å, SF_6 addition effects *(Chinese)* 2−15435
$^{14}NH_3$, $^{15}NH_3$, far IR laser lines predictions for CO_2, N_2O pump laser lines 2−25701
$^{15}NH_3$, CW Stark far IR lasing lines, optically pumped by CO_2 or N_2O laser 2−1872
Na vapour, four-wave mixing involving two quadrupole transitions 2−2020
Na_2 optically pumped laser lines, fluorescence spectra obs. 2−10210
Nd:YAG pulsed output of single spectral lines at 1.064. 1.073, 1.061 and 1.052 μm *(Chinese)* 2−6195
Nd^{3+}:metaphosphate glass laser, spectral generation investigation 2−6196
Nd^{3+}:YAG 1.318 μ laser radiation, higher harmonic generation 2−6266
Nd^{3+}:YAG tunable laser with electrooptic Q switching 2−1930
PO chemiluminescence flame, UV light amplification 2−25692
SO_2 laser pumped by CO_2 laser radiation, transition identification, 139.5-685 μ range 2−25712
Tl laser excited by TlI photodissociation, efficient operation at 535.0 nm 2−10211
Xe laser utilising $5d(3/2)_1{}^0$-$6p(3/2)_1$ transition, buffer gas role investigation 2−25709
XeF formed by KrF_2 photodissociation, lasing as result of B-X transition 2−1893
Yb laser, output power depend. on pump pulse repetition freq. 2−20814
Yb-Er glasses, laser-pumped, max. attainable gains 2−6199
Zn, blue-green atomic laser using ZnI_2 photodissociation, 481.1, 472.2 nm laser lines 2−6146
ZnI, gain at 602 nm on the B to X band 2−1909

laser tuning
alkali halides, Tl^+-doped, F_A-type centre broadly tunable CW laser operation, optical props. 2−15491
color centre CW laser, grazing angle grating tuner for single-mode operation 2−1984
colour centre lasers, flashlamp excitation 2−6202
colour centre lasers, M^+-centre transitions, 0.8 to 2.0 μm 2−10274
colour centre tunable laser development, review 2−20856
detuning effect on fluctuation props. 2−25702
deuterated fluoroform SMMW laser transitions optically pumped by tunable CO_2 waveguide laser 2−25684
deuterated methylene fuoride SMMW laser transitions optically pumped by tunable CO_2 waveguide laser 2−25684
dichlorodifluoromethane as dye laser tuning gas, refr.-index meas. 2−15527

laser tuning continued
1,1-difluoroethylene SMMW laser transitions optically pumped by tunable CO_2 waveguide laser 2−25684
dye, narrow-band linearly scannable IR lasing between 1.09 and 1.12 μm 2−6190
dye IR laser, ruby pumped, with wide tuning range and high output power, operation 2−1919
dye laser, cascade energy transfer, with wide tuning range 2−10264
dye laser, CW, synchronously mode-locked and internally freq.-doubled, anal. 2−25737
dye laser, CW, with phase-conjugate mirror, longit. modes and aberration-correction props. 2−15477
dye laser, CW mode-locked, pumped directly by Ar ion laser, near IR picosecond pulse generation 2−25730
dye laser, laser pumped, subnanosecond pulse generation, cavity length change effect 2−10252
dye laser, laser pumped, subnanosecond pulse generation, rate eqn. model 2−10253
dye laser, narrow band, tuned with two gratings *(Chinese)* 2−10329
dye laser, pulsed, tuning using compound cavity *(Chinese)* 2−1973
dye laser, single-freq. tunable pulsed, with diffr. grating 2−20847
dye laser, tunable waveguide, 200 W power output and narrow bandwidth 2−6180
dye laser, ultrashort cavity, picosecond laser pumped, theory 2−1975
dye laser fine tuning, numerical control unit aids microcomputer in control *(German)* 2−1987
dye laser resonator, grating tuned, beam expanding prism influence on linewidth and expansion ratio 2−15524
dye lasers, N_2-laser pumped, amplified spontaneous emission 2−15472
dye ring laser, rapid freq. scanning 2−15514
dye-jet laser pumped by second harmonic of Q-switched mode-locked Nd^{3+}:YAG laser 2−20850
far IR lasers, high power, freq. tuning and efficiency enhancement 2−25725
far-IR lasers, CW optically pumped, developments 2−20783
gas laser, two-frequency operation, stability limit, tuning range calcs. 2−6155
grating tuner, grazing angle, for single-mode operation of colour centre CW laser 2−1984
rhodamine 6G dye laser with compounds resonator pumped by Xe-ion laser 2−10265
ring dye laser, subpicosec., CW, passively mode-locked, time-resolved fluoresc. spectroscopy appls. 2−20840
ring laser, travelling wave, subpicosecond pulse generation using synchronous double-modulation 2−6237
thin-film DFB laser emission, wavelength tuning method 2−25655
tunable picosecond pulse generation, 750 to 780 nm by passive and synchronous modelocking 2−10261
$AgGaSe_2$, noncritically phase-matched, tunable coherent 16 μm radiation by difference freq. mixing 2−10271
AlGaAs-GaAs laser with external dispersive resonator, bistable operation and spectral tuning 2−20938
ArF excimer laser source, tunable ultrahigh spectral brightness 2−10245
ArF UV preionised discharged excimer laser, spectral tuning in 1926 to 1944Å range *(Chinese)* 2−15440
CO laser, intensity modulation, freq. stabilisation and tuning by extracavity Stark cell 2−20939
CO_2, CW laser, sealed-off with tuning over lines of first two sequential bands 2−10240
CO_2 high-pressure amplifiers, continuously tunable signal amplification 2−1895
CO_2 laser, optogalvanic stabilisation using electrodynamic tuning element 2−25681
CO_2 short-pulse line-tunable laser for photochemical studies 2−15433
CO_2 TEA laser, tunable single longit. mode output 2−10222
CO_2 tunable laser, spectral tuning using intracavity spatial filtering 2−6170
CO_2 tunable pulsed laser 2−6159
CO_2 tunable TEA laser with intracavity NaCl prisms as dispersive elements *(Chinese)* 2−15437
CO_2 tunable waveguide laser with high transverse mode and line discrimination 2−25685
CO_2 waveguide laser, optogalvanic stabilisation and offset tuning 2−25824
CaO, CW laser action using F^+-centres, 357-420 nm tunable range 2−1927
CdSe, noncritically phase-matched, tunable coherent 16 μm radiation by difference freq. mixing 2−10271
DF pulsed chemical laser with diffr.-limited beam divergence 2−25707
GaAlAs laser, freq. stabilisation, 0.5 THz tunable freq. range 2−6226
GaAlAs single-mode laser, dynamic wavelength tuning 2−6236
HN_3 far IR laser, reson. pumping 2−10196
He-Ne cascade laser, two-photon amplification 2−10221
He-Ne/methane laser with periodically varying optical length, nonliner absorber influence on radiation parameters 2−6169
He-Sr recombination laser, freq. tuning and mode self-locking, 430.5 nm 2−25715
KI:$Li(F_2^+)_A$ centre laser, broadly tunable action beyond 3 μm 2−20860
Kr_2F laser, broad band, electron beam pumped 2−20790
LiF F_2^+ tunable colour centre laser and holographic selector 2−1931
LiF laser high repetition rate, pumped by Cu vapour laser 2−10280
$^7Li_2$ laser transitions asignment, Ar^+ and Kr^+ laser pumping 2−6151
$^{15}NH_3$ far IR laser system, isotopic CO_2 laser pumped, fine tuning characts. 2−10224
$NaF(F_2^+)_A$ laser, stimulated emission 2−25758
Nd^{3+}:YAG ring laser with acousto-optic mode locking, competitive effects 2−25756
Pb-salt diode laser, specific gas density, meas. appl. 2−12081
$Pb_{1-x}Sn_xSe$ DH laser, CW operation at 80K 2−1961
Xe laser utilising $5d(3/2)_1{}^0$-$6p(3/2)_1$ transition, buffer gas role investigation 2−25709
XeCl excimer oscillator-ring amplifier system, laser tuning 2−25666
Xe_2Cl laser, broad band, electron beam pumped 2−20790
XeF excimer laser, electron beam pumped, continuous broadband tuning 2−1835
XeF laser, broad band, electron beam pumped 2−20790

laser velocimeters
airflow through cascade of turbine blades meas. 2−7234
anemometer, aerospace turbomachinery flow diagnostics appl. 2−12041

laser velocimeters continued
anemometer with 5 ns for wind tunnel meas. correlator processor 2−11994
anemometry, optical discriminator for Doppler frequency shifts *(Russian)* 2−2057
charged dust particles, dynamics in elec. field, laser Doppler velocimetry study 2−7217
correction of laser Doppler anemometer readings/ for refraction at cylindrical interfaces/ 2−3296
Doppler, electrochemical machining expts. appl. 2−2062
Doppler, subsonic wind tunnel appl. 2−22625
Doppler anemometer backscatter meas., walls, two-phase flows, refl. suppression by polarisation 2−15578
Doppler anemometry, single-particle velocity and trajectory meas. of inhomogeneities in unstable airflows 2−26990
Doppler effect laser sweep anemometer for velocity profile measurement *(French)* 2−22437
Doppler laser anemometer system for rapid scanning of flow fields 2−11667
Doppler velocimetry appl. 2−2059
Doppler-difference anemometer, separated turbulent boundary layer in supersonic flow obs. 2−11997
fibre laser Doppler velocimeter, dual single-beam 2−15577
fibre optics transmission of velocimeter signal 2−1685
flow rates measurement in liquids and gases, using Laser-Doppler velocity meter *(Dutch)* 2−7233
industrial and boiler furnace combustion chamber design, laser-Doppler anemometry appls. *(Italian)* 2−12484
internal combustion engine, flow velocity rapid estimate using photon correlation laser anemometry 2−11627
microprocessor controlled positioning, subsonic wind tunnel appl. 2−22621
particle velocity meas. in electrostatic precipitator, use of laser Doppler anemometer 2−10444
speckle velocimeters, vel. sensitivity 2−15587
submersible laser Doppler velocimeter, tidal channel flow meas. 2−17574
supersonic wind tunnel TVM 150, laser Doppler anemometer appl. 2−3538

lasers
see also chemical lasers; distributed Bragg reflector lasers; distributed feedback lasers; dye lasers; excimer lasers; free electron lasers; gas lasers; laser beams; laser frequency stability; laser tuning; liquid lasers; nuclear pumped lasers; Raman lasers; ring lasers; solid lasers; X-ray lasers
conference, optical systems and appls., Utrecht, The Netherlands (Sept. 1980) 2−8135
IR and MM waves, conf., Miami Beach, FL, USA (Dec. 1981) 2−23889
laser/optoelectronic technology developments in new wavelengths *(German)* 2−15425
optoelectronics, book 2−4574
physical principles and historical review 2−10177

latent heat of adsorption *see heat of adsorption*

latent heat of formation *see heat of formation*

latent heat of fusion *see heat of fusion*

latent heat of mixing *see heat of mixing*

lattice constants
$Ga_xIn_{1-x}P$-GaAs heterostructures, luminesc., effect of mismatch between lattice consts. and thermal expansion coeffs. 2−6100
II-V compounds, physical and chemical props., and applications 2−14670
III-V semiconductor material design for electronic devices used under unusual conditions *(Japanese)* 2−5548
CdO-(PbO-CdO-BaO-B_2O_3 glass) thick film resistors, X-ray and microscopic investigations 2−5485
CdTe undoped p-type annealed in vacuum, electrical and crystalline props. 2−1189
$Ga_{1-x}Al_xAs$ heteroepitaxial layers, coherent, on-axis layers, characterisation by X-ray multiple diffr. technique 2−576
GaAs:Ge(Se), neutron transmutation doping, elec. and physical props. 2−9562
$Ga_{0.47}In_{0.53}As$ uniform, MBE growth with rotating sample holder 2−8801
$InAs_{1-x-y}P_xSb_y$, LPE growth on InAs substrate 2−19419
InGaAsP lattice, matched to InP, growth and charact. review 2−8812
$LiNbO_3$ single cryst. films, LPE growth for SAW devices 2−578
Nb-Ge films, DC sputtering prep. and struct. rel. to supercond. props. 2−20556
$Ni_xCu_{(1-x)}Fe_2O_4$ ($0 \leq x \leq 1$) ferrites, structural and magnetic properties 2−1563
PbTeSe, LPE growth lattice-matched to PbSnTe, phys. and elec. props. 2−585
$Pb(Zr_xTi_{1-x})O_3$:Nb^{5+}(Sb^{5+}) ceramics, wet or dry method prep., struct. and piezoelec. props., effect of initial Pb content 2−5844
RuO_2-(PbO-CdO-BaO-B_2O_3 glass) thick film resistors, X-ray and microscopic investigations 2−5485
ZnS:Cu phosphor, relation between lattice parameter and particle size 2−15397

lattice defects *see crystal defects*

lattice diffusion *see diffusion in solids*

lattice gas *see lattice theory and statistics*

lattice parameters *see lattice constants*

lattice phonons
see also polaritons; tunnelling spectra
III-V semiconductor material design for electronic devices used under unusual conditions *(Japanese)* 2−5548
lithium formate, parametric scatt. spectrum second-order vibrs. 2−25847
MOSFET, submicron, carrier vel.-elec. field relation and field distrib. 2−25248
semiconductor, nonlinear galvanomagnetic effects, phonon heating and drag 2−14609
semiconductor, nonohmic, nonreciprocity and magnetoresistance size effects, phonon heating and drag 2−14610
$Al_xGa_{1-x}As$-GaAs quantum-well heterostruct. lasers, MBE growth, clustering and phonon effects 2−6227
CaO(S)(Se):Pb^{2+} phosphors, luminesc. spectra, mag. field effect *(French)* 2−20734
$Cd_xHg_{1-x}Te$, magnetophonon reson. of nonequilib. carrier density 2−5563
CdS, biexciton states, real and virtual, Raman, fluoresc. and radiative recomb. spectroscopy 2−24972
CdTe p-n junctions, electrolytically prepared, emission props., TO phonon replicas obs. 2−1813
GaAs crystals and solid solns., hot electron luminescence 2−25593

lattice phonons continued
GaAs electron mobility, space-charge and central-cell scatt. contrib. reassessment 2−9426
n-GaAs, magnetophonon effect of hot electrons 2−14659
GaP:Bi p-n struct., electrolum. and photoresponse spectra 2−20731
n-InSb, acoustic wave multitransit generation in elec. field 2−5562
n-InSb, magnetophonon effect of hot electrons 2−14659
MgS:Pb^{2+} phosphor, luminesc. spectra, mag. field effect *(French)* 2−20734
n-$Si_{63.5}Ge_{36.5}$, thermal cond. and thermoelec. conversion, phonon-grain boundary scatt. effect 2−20112

lattice theory and statistics
randomly diluted network, percolation and conduction 2−681
soliton-impurity interaction in nonlinear lattice, expt. using LC circuit 2−8964

laundering
No entries

laundries *see laundering*

laying, cable *see cable laying*

lead bonding
automatic production system for circuit boards with universal hybrid integrated circuits 2−1071
automation for bonding technology 2−1081
flexible tape conductor interconnection for semiconductor chips 2−5500
flip chip bonded ground plane for ceramic chip carriers 2−14545
GANG bonding, process and accelerated aging test for gold-plated tape automated bonding outer leads 2−1079
hybrid circuit production, automated die and wire bonders 2−9338
hybrid microcircuit substrate-to-package thermal adhesive bonds, nondestructive IR inspection 2−1076
ICs, assembly processes, improvement of quality *(Bulgarian)* 2−5498
microelectronics, conf., Tokyo, Japan (May 1980) 2−5
pin-attachment technique and structure 2−5499
semiconductor chips mounting, flip-chip bonding 2−5501
tape automated bonding for high density packaging 2−1078
thermal compression bonding of Au leads on thin film circuits, Au surface anomalies 2−5481
ultrasonic Al wire bonding to thick film Cu compositions 2−20011
ultrasonic Al wire bonding to thick film Cu conductors 2−9342
Au, savings on materials used in electronics technology for telecommunications *(Japanese)* 2−13852
Cu/ceramic bond for making cermet resistors on metallised ceramic substrates 2−20009

leak detection
oil and gas pipelines, using pressure sensors *(Spanish)* 2−11389
online diagnostic instrum. in nuclear power plants, experiences 2−12365
semiconductor gas sensors for leak detection *(German)* 2−22227
US leak detectors, error due to frequency mismatch in channels 2−632

leakage, electrical *see electrical faults*

leakage, magnetic *see magnetic leakage*

leakage currents
2N2222A transistor, humidity activated surface leakage paths on TO case style glass headers 2−14852
1000 V electrical equipment with grounded neutral, protection devices *(Russian)* 2−3787
buried containers for line transmission repeaters appl. 2−16311
definition of induced potentials and leakage currents around high tension lines 2−12272
diagnostics for thyristor equipment in electric locomotives *(Russian)* 2−28011
high-speed all-implanted bipolar technology, emitter-collector shorts and leakage reduction 2−20385
leakage current safety circuits triggering sensitivity and triggering time, historical review *(German)* 2−18944
LV insulators subject to lightning strikes, dimensioning of leakage paths *(German)* 2−3775
power diodes, comparison of perform. of Au and Pt killed devices, leakage current and switching time meas. 2−25198
semiconductor devices, test of correlation between crystal defects and elec. parameters *(Hungarian)* 2−14743
Stotz current-operated protective equipment for alternating and pulsating direct leakage currents *(German)* 2−28036
GaAs MESFET, ion implanted, excess 1/f noise depend. on gate leakage current 2−9670
Si integrated p^+-n junctions under forward bias, leakage current degradation obs. 2−14682

learning systems
see also adaptive systems; self-adjusting systems
averaging methods for the asymptotic analysis/ of learning and adaptive systems/, with small adjustment rate/ 2−2446
routing using learning algorithms 2−6487
steel, stainless, pipe weld, crack detection using US signal processing, appl. of adaptive learning networks 2−8922
technological forecasting, discovery, invention and innovation cycles 2−7598
temperature control of long distance cooling channel using microcomputer 2−3757
Al multilayered adhesively bonded structures, appl. of adaptive learning networks to US signal processing, flaw classification 2−8912

least squares approximations
attitude reconstitution, dynamic method based on Sun-Earth colatitudes 2−27237
bidiagonalization-regularization procedure for large-scale discretizations of ill-posed problems 2−19378
computer program for simple linear regression with censored data 2−19019
continuation method for nonlinear regression 2−19306
convergence systems and strong consistency of least squares estimates in regression models 2−8690
covariance sequence approx. for parametric spectrum modelling 2−6436
digital image restoration, direct algorithm 2−21364
fading diversity channels, minimum mean square error equalisation of interference 2−6750
hybrid A/D adaptive beamformer, modified least mean square algorithm 2−6365
iris-loaded waveguides, solution of microwave boundary value problems by least squares methods 2−15753
Kantorovich inequality extensions 2−24224
linear equation fitting to sets of experimental data 2−4926

least squares approximations continued
locally constrained steps 2−19288
matrix LU decomposition, nonlinear least-squares approximation 2−19279
measurement accuracy assessment, efficiency of a set of estimates by a generalized method of least squares 2−16762
nonlinear least squares model fitting to error-disturbed obs. 2−26143
on bilinear estimation and control 2−4931
on-line load forecasting for energy control centre appl. 2−22862
orbit determ. simulations using laser ranging data, SIRIO-2 LASSO mission 2−27244
polymer electret film, polarization distrib. determ. using periodic heating 2−22354
power plant appls. of nonlinear state-affine identification methods 2−7592
power system tracking state estimation and bad data processing 2−27386
simple least squares estimation versus best linear unbiased prediction 2−4811
solar cell dark current-voltage two exponential equation parameters determ. from empirical data using least-squares based approach 2−23438
state of art for physics and engineering 2−24245
surfaces generated by moving least squares methods 2−475
TV ghost cancelling by LMS-RAT digital filter 2−21957
wave SALS program 2−24246
W, X-ray fluorescence spectra, least squares anal., Si(Li) detector response function appl. 2−11801
leather *see materials*
Lecher wires *see high-frequency transmission lines*
LEED *see low energy electron diffraction*
legal protection of software *see industrial property*
legal research (computing applications) *see government data processing; social and behavioural sciences computing*
legislation
British Telecom, monopoly ending in UK 2−21460
British Telecommunications Act, discussion 2−26218
cable data transmission regulatory problems 2−2507
coal mining and reclamation: Coal costs, regulations and utility planning 2−23854
coal-fired power stations in USSR, increasing use in light of Soviet anti-pollution legislation 2−17991
economic impact of state ordered avoided cost rates for photovoltaic generated electricity 2−18600
electric power industry and industrial law system in Hungary, interaction *(Hungarian)* 2−17635
electrical equipment for hazardous areas, EEC legislation and UK manufacturers and users 2−18942
electricity supply and environmental protection, need for objective legislation *(German)* 2−17624
electronic equipment, conformity with RFI regulations, certification 2−10524
EM wave safety *(Polish)* 2−3515
European product liability law and the amended EEC draft Directive 2−36
fission research reactors, radiation protection, legal requirements fulfilment, economic considerations *(German)* 2−27217
French regulations for TV and radio broadcasting and receiving centres protection from electromagnetic interference *(French)* 2−26570
German electricity industry economy 1981, laws and regulations *(German)* 2−27352
institutional issues−major issues and their impact on widespread use of photovoltaic systems 2−18599
land mobile radio, instant licensing, impact on industry 2−16381
maritime radiocommunications in Italy, legal aspects *(Italian)* 2−6771
nuclear facilities developments in German Federal Republic, back end fuel cycle concept implementation *(German)* 2−17828
nuclear fusion energy programme in United States, associated legislation 2−4602
nuclear power stations, French licensing procedure decentralising *(German)* 2−27613
nuclear power stations, regulations controlling construction and operation in France *(French)* 2−7632
on-site photovoltaic system interconnection with electric utility 2−18081
patent law in Argentina *(Spanish)* 2−35
PCB industry and environmental protection, technical, legal and economic aspects 2−13257
power industry benefits from new tax incentives 2−18924
power transformer insulation, polychlorinated biphenyl dielec. fluid, present and future regulations governing use/removal 2−18313
product liability insurance, overview 2−39
products liability, safety in design 2−37
radiation protection, laws and regulations in France *(French)* 2−7359
regulations affecting coal costs and availability 2−22997
research department compliance with radiation protection and monitoring regulations *(German)* 2−27216
RF emission regulations for electronic equipment, management overview 2−13217
safety, stored-program controls appl. requirements and testing GFR *(German)* 2−4624
standard P690 for cable systems installation for Class 1E ccts. for nuclear power stations 2−17840
strict liability impact on reliability 2−38
teletext and viewdata advantages for business and domestic users *(Swedish)* 2−21501
transborder dataflows: key issues and an implementation mechanism 2−2530
UHF mobile radiotelephone systems, 825-845 MHz and 870-890 MHz bands, FCC decision 2−16382
UK telecommunications monopoly relaxation implications for network planning 2−21416
USA new power generation, implications of Fuel Use Act (1979) 2−17660
USA regulatory problems of new fossil-fuel power plant approval 2−18025
weighing standardisation and legislation, impact on production and quality control 2−22413
weights and measures in trade 2−22412
U enrichment plants, licensing procedures in West Germany 2−17832
length measurement
see also micrometry
automobile industry, computer-based system *(German)* 2−11625
differential contact length gauge 2−3272
length measurement continued
echosounder for fish size meas., based on swimbladder resonance 2−27296
elongation of strip materials meas., industrial transducers design 2−16951
He-Ne/I_2 laser as a frequency standard in the visible spectrum 2−25888
line-gauge calibration, automatic system *(Italian)* 2−26709
linear high-precision measure, polished metal surface precision evaluation 2−26959
steam turbine i.p. cylinder radial clearance, steam jet probe appl. 2−27730
timber boards automatic squaring using U880 type microcomputer *(German)* 2−3276
transmission line length-measuring system, using magnetic marking 2−22385
US length meas. in single crystal and polycrystalline aggregate with preferred orientation 2−8885
VLSI/LSI circuit pattern element size meas., optical methods 2−1425
He-Ne laser, I_2 stabilized, wavelength meas. by Michelson interferometer 2−6985
He-Ne laser stabilised with I_2 vapour, absorpt. cell evaluation *(Slovak)* 2−25804
length standards *see measurement standards*
lens antennas
metal plate refractors, new method of construction 2−15782
lenses
see also aberrations; aspherical lenses; electron lenses; electrostatic lenses; focusing; magnetic lenses; photographic lenses
aberration determination using holographic interferograms of pupils recorded for two points on image plane *(French)* 2−25866
birefringent lens for HF enhancement 2−21378
coupling in fibre optic devices, efficiency limits for GRIN-rod, ball and plane-convex rod lenses 2−1686
defocusing plastic rod prep. by copolymerisation 2−15288
dispersive lens power paraxial solns. for achromatic Fourier processor 2−2380
Eccosorb, laminated lens material, optical tests of quasi-optical components for the MM region 2−25561
electromagnetically controlled variable focus lens 2−15363
fluid lens, variable curvature through external control of fluid press. on flexible membrane 2−1764
Fourier transform geodesic lens system high-resolution RF spectrum analyser 2−6053
Fresnel, 2.2 kW actively cooled point focusing photovoltaic array giving hot water 2−18103
Fresnel for high conc. photovoltaic module employing AlGaAs/GaAs solar cells 2−18602
Fresnel lens 10-unit dichroic filter spectral splitter module for high efficiency 2−18601
Fresnel lens integrated on oxidised Si substrate, focusing efficiencies 2−20685
Fresnel lens low-cost photovoltaic concentrator module development and evaluation 2−18102
Fresnel lens point-focus photovoltaic concentrator passively-cooled module, design and performance 2−18603
hologram interferometry, lens-assisted, semicond. device behaviour investigation 2−15571
holographic elements, wavelength scaling, generation technique 2−2041
integrated optic geodesic lenses, second order effects, anal. 2−10066
IR imaging systems, aberration correction method for thin achromat 2−20703
laser beam deformation during passage through imaging optical elements 2−1993
laser diode to single-mode fibre efficient coupling using two lens combination in confocal condition 2−9993
laser scanner design, low-cost 2−20994
lasers, multimode, with internal variable lenses, stability and beam divergence 2−15533
LSI photolithography projection printing, influence of axial chromatic aberration 2−9691
micro Fresnel lenses fabricated by electron-beam lithography 2−20707
micro lens fabrication using electron-beam lithography 2−20686
microlens formation on vapour phase axial deposition single-mode fibre ends 2−25492
microlenses for coupling single-mode fibres to thin-film waveguides, photoresist lens fabrication 2−6025
multielement US lens fabrication and performance 2−27307
optical fibre coupling using spheroid lens at fibre end 2−10003
optical fibre liquid crystal lens array 2−15351
optical memories, large capacity, correlator appls. 2−2392
Petzval system for optical video disc scanning 2−20702
photovoltaic concentrator technology, Fresnel lenses 2−18101
planar, with refractive index gradient 2−1771
point-focus photovoltaic concentrator modules, compatibility of Fresnel lens and photovoltaic cells 2−18574
poly-4-methylpentene-1, laminated lens material, optical tests of quasi-optical components for the MM region 2−25561
submillimeter-band lens line, EM field structure, expt. study 2−21012
superachromatic triplets based on use of optical glasses for lenses, design *(Hungarian)* 2−1765
volume holographic off-axis lens, conjugate diffr. order 2−10377
GaAS photovoltaic systems for combined heat/electricity generation, using high solar concentration ratios 2−23470
level control
cryogenic system, automatic liq. N_2 filling system for spectroscopy expts. 2−16927
crystallisation, liquid level control, microprocessor applns. *(German)* 2−7236
hydroelectric power stations, process computer control 2−3964
liquids, vibratory process control transducers, flexural vibr, freq. dependent on level 2−16928
regulator line transmission transfer charact. improvement *(Croatian)* 2−16814
US level sensor for cryogenic liquids 2−22225
water level control for small hydro plants 2−27795
N_2, liq., automatic level regulator 2−26989
Si melt level automatically controlled, using laser beam monitoring 2−24279
level measurement
differential pressure transducer design 2−22267
fibre optical liquid level sensor 2−11665

level measurement continued
industrial sensors and transducers for monitoring and regulation *(German)* 2−3294
liquid level gauge, using IC proximity switch TCA 205 for diesel engines 2−28203
liquid level inspection of bottles performed by photoelectric switches 2−7083
liquid level sensor based on NE5037 AD convertor 2−22436
noncontacting radiometric type density or level monitoring instrum. 2−17144
photoelectric switches for level detection 2−1807
PWR, bubble detection and level meas. in main coolant ccts. using ultrasonic transducers *(German)* 2−12400
PWR coolant-level instruments, using differential pressure transducers 2−22443
resonance high frequency level sensor for cryogenic media mass measurement *(Russian)* 2−16942
rotating liquid He bath in supercond. generator, level detector 2−3299
transducer types, on-off or continuous *(Dutch)* 2−11432
US level sensor for cryogenic liquids 2−22225
US techniques for noninvasive instrum. on chemical and process plant 2−7461
vibratory process control transducers, flexural vibr, freq. dependent on level 2−16928
water level control for small hydro plants 2−27795
water level indicator for diesel fuel filter, using TCA 205A IC proximity switch *(German)* 2−23715

level meters
see also power measurement
AC digital multimeter for level measurement 2−3195
analogue signals, bipolar edge detector *(German)* 2−11439
compressor circuit incorporation gives clear indication at low levels, disco music appl. 2−3186
digital (LED) VU meter with 1000 watt readout, for disco lighting effect 2−2977
digital level indicator for minicassette recorder, using LEDs *(French)* 2−22302
digital transmission level meter with matched conversion speed *(German)* 2−22295
LED VU meter, construction details 2−16998
liquid fuel meter *(Polish)* 2−7146
noncontacting radiometric type density or level monitoring instrum. 2−17144
PMG-13 level meter, selective, wideband meas. of voltages, dB level, attenuation, frequencies *(German)* 2−7127
tape recorder drive level meter characteristics *(German)* 2−22005

levels, energy *see energy states*

levitation, magnetic *see magnetic levitation*

librarianship *see information science*

libraries
electronic mail 2−26245

library science *see information science*

LIDAR *see optical radar*

Lie groups
formal contact vector fields, cohomology *(French)* 2−309
Galois theory of dynamic systems *(French)* 2−4701
introduction to Lie groups using transformation groups 2−8391
invariant convex cones and causality in semisimple Lie algebras and groups 2−19204
isomorphism of vector space conjecture by Guichardet, results *(French)* 2−8333
Riemann manifold irreducibility and reducibility 2−466

life testing
AC stator windings, form wound, insulation systems, voltage life testing 2−23266
accelerated, IEEE 323 qualification experience appl. to Zytel insulating material 2−19475
amorphous p-i-n solar cells, stability tests 2−18590
bipolar transistors, effect of insulation coatings on forward beta degradation 2−9632
carbon-resin printed resistors in damp heat environment, reliability evaluation *(Japanese)* 2−5366
carbonate fuel cell technology progress 2−12843
dielectric materials, accelerated life test, for voltage degradation model 2−25371
diode lasers, high power, CDH-LOC, with lifetimes >10000 h, optical recording appls. 2−25783
discharge lamps, high-intensity, IES approved method 2−13056
domestic electrical appliances, switches, geysers and heating mantles, safety and reliability tests 2−8100
dry reed contact, correlation between switching phenomena and characteristic life 2−1000
dynamic RAMs, 16k and 64k, Hitachi reliability studies 2−9095
electrical machines, accelerated life test *(Polish)* 2−4031
electronic component dormant storage, data based reliability assessments 2−24022
electronic components integral nonlinearity diagnostics, review 2−68
electronic device lifetime model, use in accelerated life tests 2−8320
electronic equipment accelerated life tests, mathematical methods *(Czech)* 2−4641
EM relays assurance test method using microprocessor 2−998
HV power capacitors, hydrocarbon oil filled mixed dielectric, performance tests 2−14317
hybrid ICs accelerated life testing *(Polish)* 2−1069
ICs highly accelerated temperature and humidity stress test technique 2−14937
insulating materials internal discharge endurance life tests by glass-covered electrode system, freq. accel. characts. 2−25386
insulation evaluation, expedited through standardised test procedures 2−20459
metal-Si_3N_4-Mo-oxide-semiconductor, electrically alterable ROM, memory retention life at various tests 2−15028
MNOS memories, accelerated testing of time related parameters 2−15029
MNOS non-volatile memory, retention life test experiments 2−15025
molded-case circuit breakers for underground mine power systems, accelerated life testing 2−18401
moments in terms of the mean residual life function 2−19042

life testing continued
monolithic IC reliability and quality assurance, testing during life cycle, mass production aspects *(Japanese)* 2−8314
MOS, new technique for input protection testing against electrostatic damage 2−15033
MOS, time-zero dielectric reliability test by a ramp method 2−15032
MOS LSI, plastic encapsulated Cu lead frame-epoxy die attach packaging system, reliability study 2−13293
multilayer board assembly reliability rel. to design, accelerated life testing 2−14399
NMOS dynamic RAM in plastic packages, reliability evaluation in high humidity and temp. environments 2−25356
NMOS RAM, voltage breakdown characteristics compared with accelerated life tests and field use data 2−15026
optoelectronic devices, accelerated life testing and MTBF compound linear models *(Czech)* 2−15369
PCB, epoxy-glass fibre, conductive anodic filament growth 2−14374
polyester/epoxy varnish insulation for magnet wire, compatibility tests 2−14333
prediction limits for the last failure time of a (log)normal sample from early failures 2−19043
quality control, tools for controlling quality 2−8275
reliability physics conf., Orlando, Florida, USA (April 1981) 2−18861
semiconductor device operational life testing at production stage 2−23985
shortened life-tests of type II for one-parameter exponential distrib., optimum planning *(German)* 2−24014
shunt diode design for solar cell arrays, planar-diffused struct., life testing 2−20234
synchronous machines, salient pole type, age-related failure of wire-wound rotating field poles 2−23283
thermal endurance of insulating varnished glass cloth by torsional braid analysis method 2−9824
thermal endurance of insulating varnished glass cloth by torsional braid analysis method 2−9826
thermionic impregnated cathodes of various types, performance 2−1087
undersea optical repeater, 1.3 micron, 400 Mbit per sec., sea trial 2−16462
waveguides based on metallized polyester materials *(Russian)* 2−24646
Al electrolytic capacitors, with liquid electrolytes, endurance testing under DC and AC conditions *(German)* 2−5376
Al-alloy films, metallisation, electromigration testing 2−9590
C stripper foil behaviour in ^{127}I beam 2−11748
C stripper foils comparative performance in Argonne FN tandem 2−11747
CO_2 sealed-off laser, gas constitution and electrode material effects on lifetime *(Chinese)* 2−15441
CO_2 waveguide laser, development of sealed-off long life device 2−10228
Co-P magnetic electroless thin films, effective life 2−20481
Cu_2S-CdS sprayed backwall solar cells for terrestrial appls., reliability 2−23544
$Ga_{1-x}Al_xAs$, DH LEDs, reliability for lightwave communications through accel. ageing studies 2−6121
$Ga_{1-x}Al_xAs$-GaAs heterojunction lasers, accelerated life tests, temp. interval optimisation 2−25800
GaAs power FETs, reliability and life testing 2−25237
InGaAsP-InP LEDs, performance characts. and extended lifetime data 2−1819
$In_{1-x}Ga_xAs_{1-y}P_y$ laser and LED reliability for fibre-optic communications 2−2811
$In_{1-x}Ga_xAs_{1-y}P_y$-InP buried-crescent laser diode 1.3 μm fundamental transverse mode and life test 2−1968
Na-S cell, corrosion resistant current collector, tests 2−12828
Ni-H_2 battery for spacecraft, real life test performance 2−17507
Ni-H_2 prototype cell evaluation tests 2−17509
Ru-based, thick film resistors, reliability evaluation, third harmonic index meas. 2−19994
Si-Ge thermoelectric generators, long term behaviour 2−18619

lifting machinery *see hoists*

lifts
see also cableway systems
drive control using microcomputer *(Korean)* 2−4416
earthquake detection system for lifts that identifies initial tremor 2−12993
escalators and moving sidewalks, microprocessor appl. *(German)* 2−13008
independent power source/ for aerial lifts/ 2−4429
services development, reliability improvement *(Hungarian)* 2−28189

ligand field theory *see bonds (chemical)*

light absorption
see also atmospheric optics; densitometry; light transmission; optical constants; optical films; optical filters; optical saturable absorption; pleochroism; spectra
amorphous semiconductors, pressure-induced effects and phase transitions 2−25026
atmosphere aerosols, multiwavelength extinction meas. rel. to particle size evaluations 2−27269
azo dyes, use in guest-host liq. cryst. displays 2−7166
etalons, quartz cryst., for far-IR methanol laser interferometer 2−20927
Hamilton eqns. of geomorphic optics for media with moderate absorption 2−21111
heavy ion beams, laser cooling 2−7268
II-V compounds, amorphous and cryst., thin films, prep., struct., elec. and optical props. 2−13848
laser pulse properties and fast mol. relax. process investigation using combined laser-induced grating and transient-absorpt. expts. 2−10330
liquid crystal display devices using guest-host interaction, light stability 2−3232
optical fibre, absorpt. meas. using photoacoustic effect *(French)* 2−1707
resonant coupling phenomena of guided mode with metal surface plasma mode *(Japanese)* 2−15296
spectrophotometer for seawater light extinction in UV and visible 2−3620
As_2S_3, amorphous, hot carrier relax., optical picosecond study 2−25013
CO_2 laser, high press. CW, output power, self-absorption effects 2−1853
CsI, highly transparent, bulk absorpt. coeff. at 10.6 μm, laser calorimetry meas. 2−25473
GaAs, hot carrier relax., picosecond laser pulse studies, review 2−24984
n-GaAs, proton implanted, IR absorpt. 2−20628
Si, amorphous, hot carrier relax., optical picosecond study 2−25013
Si film, polycrystalline, made by amorphous film laser annealing *(French)* 2−8799
a-Si:Ar RF sputtered films, elec. and optical props., effect of Ar 2−20102

light absorption continued
Si:H, amorphous, hot carrier relax., optical picosecond study 2−25013
Si:H, O sputtered films, amorphous, optoelectronic props., effect of O 2−25580
Si:H amorphous films, SiH_4 decomp. prep., phys. props. 2−1203
TlCl-TlBr, KRS-b, highly transparent, bulk absorpt. coeff. at 10.6 μm, laser calorimetry meas. 2−25473
light absorption spectra *see spectra*
light amplifiers *see image intensifiers*
light attenuation *see light absorption; light scattering; light transmission; optical dispersion*
light coherence
see also laser beams; lasers
detector, coherent, real time Fourier processing, chirped heterodyne method 2−26853
free electron laser theory, quantum and classical aspects 2−15430
holography with partially coherent radiation 2−15561
laser illumination detection for military countermeasures, coherence determination using interferometer fringes 2−6076
AlGaAs mode-locked diode lasers, oscillation characts. of coherent ultrashort optical pulses 2−15511
GaAlAs DH injection laser, coherent reception, multimode effects 2−26856
light communication *see optical communication*
light diffraction
see also holography; optical zone plates
blazed ion-etched holographic gratings, high-spectroscopic qualities 2−2049
concentric, semi-concentric resonators with circular mirrors, reson. mode field distrib., diffr. theory *(Chinese)* 2−10308
diffractive coupling of light out of optical waveguide, depend. on depth of surface corrugation 2−15343
evanescent-wave holograms, diffr. efficiency charact. features for TM polarisation of reconstructing wave 2−25876
field phase struct. recording feasibility by acoustooptic method 2−20699
holographic elements, wavelength scaling, generation technique 2−2041
holographic storage for documents *(Chinese)* 2−10371
holographic surface grating fabrication techniques 2−2043
integral-optical coupler, high-efficiency, on raised grid with large period 2−25528
laser high power system, apodisation influence on radiation characts. in geometrical focus 2−10333
laser high-powered system, diffr. propag. code model 2−15543
laser recording, multiexposure, using AgCl emulsion films *(Russian)* 2−10369
lens, off-axis, vol. holographic, conjugate diffr. order 2−10377
liquid crystal phase change devices, cholesteric texture study by laser light diffr. 2−6064
open resonator, diffr. power losses for symm. perturbed curved reflectors 2−1969
ring laser with two-scale amplitude corrector, diffr. splitting of opposing wave freqs. 2−20915
sinusoidally corrugated interface, light diffr. efficiency by phase grating 2−1744
AlGaAsSb/GaInAsSb/GaSb laser, light confinement and divergence 2−25826
AlGaAsSb/GaSb laser, light confinement and divergence 2−25826
$BaTiO_3$ photorefractive-index gratings formed by nanosec. optical pulses 2−2038
$Bi_{12}SiO_{20}$, photorefractive electrooptic cryst. with vol. phase hologram, light diffr. 2−10379
$Bi_{12}SiO_{20}$ Soviet Prom and Priz spatial light modulators, test and evaluation 2−20701
DF pulsed chemical laser with diffr.-limited beam divergence 2−25707
$LiNbO_3$:Fe, photorefractive electrooptic cryst. with vol. phase hologram, light diffr. 2−10379
Nd:glass amplifier, spatial energy radiation characts., diffraction and apodisation effects 2−10272
light diffusion *see light scattering*
light dispersion *see optical dispersion*
light emitting devices
see also light emitting diodes; light sources; luminescent devices
surface plasmon light emitter, electrically tunable, proposal 2−6108
light emitting diodes
see also semiconductor junction lasers
1.3 μm LED transmission systems between urban telephone central offices 2−2807
addressing technique to drive 30 LEDs from nine lines 2−26902
AF power amplifier clipping indicator, LED display 2−6977
alphanumeric displays and control by microprocessor *(French)* 2−22152
blue LEDs 2−5322
Burrus-type, interference effects in emission and reflection spectra 2−1821
cathodluminescent and EBIC techniques, correlation of LED device performance 2−20760
clock with theory-of-sets time display *(German)* 2−5266
components in theory and practice *(German)* 2−6115
developments in optoelectronics and displays, review 2−22315
device research conference, Santa Barbara, CA, USA (June 1981) 2−6
DH LEDs, nonradiative lifetime and leakage losses 2−6214
digital (LED) VU meter with 1000 watt readout, for disco lighting effect 2−2977
digital electronic displays, construction and operation review 2−17049
digital level indicator for minicassette recorder, using LEDs *(French)* 2−22302
display, dual-coloured visual effects *(Italian)* 2−7158
display interconnection methods 2−17056
displays, summary of representative commercial and laboratory device performance 2−22334
displays with cylindrical transparent optical cavities, optical efficiency 2−20755
drive circuit, universal integrated, for LED display *(German)* 2−7156
driver and interface hardware for microprocessor systems 2−22337
dual fiber-optic source coupling 2−10001
electron lifetime and bandwidth determ. of LEDs by phase detection method 2−15417
electronic bingo game, LED mixture display, home entertainment *(Spanish)* 2−9182
electronic displays conference, London, England (Sep. 1981) 2−18866
light emitting diodes continued
electronic measuring instruments with quasi-analogue indicators, design, function and appl. *(German)* 2−11540
electronic tachogenerator, using LED IR radiator, photo-transistor detector 2−7099
electrophotographic printer using LED arrays 2−16084
feedback carrier excitation effect on LED external quantum efficiency 2−20759
fibre optic communications, sources, detectors 2−21824
fibre optic technology, sources and detectors, multiplexing schemes 2−21844
field-effect integrated injection LED visible or IR source 2−10168
flat picture-display driven by digital video signal using time-division method *(Japanese)* 2−17058
flat television screens, using electrolum., LEDs and liq. cryst. *(Spanish)* 2−11189
high performance LED driver 2−25334
intensity control logic cct. for LED matrices 2−14069
IR emitting diode, custom designed, with high reliability characts., for light scatt. smoke detector 2−15421
IR remote control system, using LED transmitter 2−881
Japanese development of LCDs, LEDs, fluorescent display tubes, plasma displays 2−22320
laser/optoelectronic technology developments in new wavelengths *(German)* 2−15425
light sources for optical links, research into operating wavelength 2−16481
light transmission attenuation versus wavelength *(German)* 2−16463
lightwave communication appls. 2−25636
luminous intensity emitted by LED and optical fibre end, parametric representation using Legendre polynomials *(French)* 2−20765
Lumitron-4 light sequencer cct. 2−18757
mechanical device rotation direction indicating circuit 2−861
modulated LED photoelectrics, role of fibre optics in photoelectric sensing appls. 2−15340
multi-colour, high-brightness, appls., technology 2−20763
multicolour indicator using a 2 colour LED 2−11542
multiplexed excitation, optimised current control 2−10169
numeric LED displays in aircraft cockpit, legibility, effect of 3-25 Hz sinusoidal vibration 2−3539
on-line instrumentation displays 2−7155
optical detector system, self-level adjustment 2−22274
optical fibre communications, various solid state light sources and detectors analysed *(Italian)* 2−11081
optical fibre coupling using spheroid lens at fibre end 2−10003
optical fibre-LED alignment, built-in p-n photodiode alignment cct. for fibre-optic Si optical bench 2−10002
opto-isolator using interchangeable fibre-optic emitters and detectors 2−15418
optoelectronic displays state-of-the-art *(Dutch)* 2−25638
optoelectronic document sensor using phototransistor and LED, output amplifier 2−22245
optoelectronic materials and components, development *(Czech)* 2−10171
optoelectronic transceiver for signal transmission by diffuse radiation, design and performance *(German)* 2−6828
optron constructed from LED and composite phototransistor, frequency and transfer characts. 2−15414
order-of-occurrence indicator, four channels 2−17035
output regulation using compensation cct. based on opto-coupler 2−10176
package, connectorised, fibre optics appl. 2−25640
photomultipliers gain regulation system using LED and optical fibres 2−17236
physical procession in degradation, review 2−15420
picture-display device driven by digital video signal using current-division method *(Japanese)* 2−17059
pilot light, low power, battery operated, using bipolar transistors 2−5301
planar optocouplers in laminar circuits *(German)* 2−20739
properties and mechanisms, rel. to high field electrolum. devices 2−6119
pump source for Nd:YAG laser, tight gap pumping cavity 2−25765
reflection detector using LED light source and planar phototransistor detector *(Italian)* 2−11486
sequential pattern display using RAM control of LED array 2−7159
switch position visual indication using bi-colour LEDs 2−5401
testing without damaging 2−20764
three-dimensional TV systems, compatible volumetric, using colour, monochromatic TV and LED tank 2−16616
tide indicator using LED array 2−17010
TTL circuits for controlling LEDs *(Czech)* 2−10172
voltmeter appl. with adjustable characts. *(Dutch)* 2−26867
VPE long-wavelength optoelectronic device fabrication and reliability for optical communication 2−2810
wavelength division multiplexing transmission over multinode optical fibres 2−26508
wavelength-division-multiplexing light wave system employing dual-wavelength LEDs and photodetectors 2−11080
AlGaAs LED, role of buffer layers in reducing degradation 2−1962
$Al_xGa_{1-x}As$ LED fabrication, epitaxial p-n structures quality estimate 2−25119
Au-Sn-Al metallisations on GaAlAs during LED fabrication, interfacial struct. studies 2−5705
$CdF_2:Ho^{3+}$-Au LED, electrolum. 2−25641
GaAlAs LEDs, slow degradation study by DLTS 2−10167
GaAlAs/GaAs multilayer monolithic integration of active and passive components for integrated optics 2−6051
$Ga_{1-x}Al_xAs$, DH LEDs, reliability for lightwave communications through accel. ageing studies 2−6121
$Ga_{1-x}Al_xAs$, IR emitting diode, bandwidth and optical output power determined by photoluminescence measurement 2−1818
$Ga_{1-x}Al_xAs$ injection light source radiation, electron-beam control 2−20905
GaAs LED, struct. defects, TEM studies 2−1822
GaAs Schottky light emitter for surface avalanching and electrolum. studies 2−15419
GaAs:LED optimised for fibre optic communication at 34 Mbit/s, design criteria 2−10165
GaAs:Si epitaxial p-n junctions, injection luminesc. 2−25642
GaAs-GaAlAs CW DH superluminescent diodes, modulation characts. and intensity noise 2−1817
GaAs-GaAlAs LEDs, influence of bias current on modulation behaviour, modelling 2−6114
GaInAsP/InP LED for 1.3 micron optical fibre systems 2−2789

light emitting diodes continued
GaP, analysis of defects movement by digital image processing *(Japanese)* 2−6118
GaP LED, struct. defects, TEM studies 2−1822
GaP, lanthanide doping influence on elec. and photolum. props., LED material 2−24965
GaP light diode p-n structs., conversion of laser IR to visible radiation *(Russian)* 2−10170
GaP:N, Al^{2+} postimplantation gettering effects in p-n junctions 2−9485
GaP:N, multiplexed excitation, optimised current control 2−10169
GaP:Zn, green emitting LEDs, long term stability 2−20761
GaP:Zn, O light emitting diode, quantum efficiency, electron irrad. effect 2−6120
InGaAs-InP heterojunction LEDs, influence of Mg doping on cutoff freq. and light output 2−20758
InGaAsP DH, electroluminescence, efficiency and kinetics 2−10174
InGaAsP-InP, LED, 1.3 μm with internally defined emission area, prep. by single step LPE process 2−20757
InGaAsP-InP 1.3 μm LPE and VPE grown edge-emitting LEDs 2−6116
InGaAsP-InP DH LEDs, epitaxially grown layers, contact resistance 2−1816
InGaAsP-InP DH LED, accelerated aging and high temp. degradation 2−6117
InGaAsP-InP DH LED, electron leakage, direct obs. 2−25635
InGaAsP-InP integrated LED-detector device 2−25637
InGaAsP-InP LEDs, performance characts. and extended lifetime data 2−1819
$In_{1-x}Ga_xAs_{1-y}P_y$ laser and LED reliability for fibre-optic communications 2−2811
$In_{1-x}Ga_xAs_yP_{1-y}$ LEDs, hot carrier effects 2−10166
InP-GaInPAs based channel heterojunction LEDs for fibre-optics communication lines 2−10175
SiC:Al^+ implanted epitaxial diodes, cathodoluminescence characts. 2−10173
α-SiC:Al^+ LED, electroluminesc. spectra fine struct. 2−25644
$Si_{18}Te_{45}As_{28}Ge_{29}$, amorphous chalcogenide IR emitting diode, optical props. 2−20762
ZnS, forward biased MIS light-emitting diodes with thick interfacial layer, physical processes 2−1820
ZnSe LEDs, fabrication by Te or S implantation 2−25643

light filters *see optical filters*

light intensifiers *see image intensifiers*

light interference
see also light interferometers; light interferometry; Moire fringes
channel divider for fibre-optics communication lines with spectral multiplexing 2−20627
diffused waveguide, emitted light interf. 2−1719
holographic grating production, exposing interf. pattern stabilisation using reference grating and servosystem 2−2044
holographic gratings, blazed form. by surface waves and replication by metal electroforming 2−2042
LED, Burrus-type, interference effects in emission and reflection spectra 2−1821
liquid crystal display, phase retarder 2−10087
phase transform. interference optical reflecting material medium for visualisation of pulsed laser radiation 2−15287

light interferometers
see also light interferometry
bistable optical devices using Fabry-Perot interferometer, communication and processing appls. *(Spanish)* 2−20956
diplexer, Martin-Puplett interferometer, Gaussian optics and design 2−16468
double-beam interferometer with background suppression, stack effluent spectral meas. 2−17579
electro-optic oscillator, high freq., using integrated interferometer 2−25546
electronic speckle pattern interferometer, for turbine part vibr. testing 2−617
Fabry-Perot, with nonuniform transmission, laser polar diagram dynamic control *(Russian)* 2−1991
Fabry-Perot and open resonators at microwave and millimetre wave frequencies, 2-300 GHz, review 2−19849
Fabry-Perot etalon preprocessing, optical correlator with extended depth of field/ 2−2378
Fabry-Perot interferometer, output wavelength meas. of HCN CW subMM laser *(Chinese)* 2−25676
Fabry-Perot interferometers, nonlinear properties and optical bistability, review 2−20954
Fabry-Perot interferometers, use at IR and microwave frequencies 2−20913
Fabry-Perot reflecting interferometer, for laser wavelength meas. 2−25815
fibre interferometer, single mode, phase modulation induced by controlled vibr. 2−10023
fibre interferometer sensor systems, diode laser source limitations 2−10038
fibre interferometer using digital phase tracker 2−6017
fibre Michelson interferometer using differential output config., refl. mirror vibr. displacement meas. 2−1704
fibre optic, Fabry-Perot interferometric sensor 2−6012
fibre optic interferometric sensors, research update 2−5992
fibre ring interferometer, phase shift fluctuations between opposite waves 2−20665
fibre-optic current meas. sensor, using Sagnac interferometer *(French)* 2−26832
fibre-optic interferometer, accurate phase-meas. system 2−6030
guided-wave interferometer using periodic structures 2−6038
interferometers with (3×3) directional couplers, analysis 2−6015
interferometric dilatometer and specimen holders for thermal expansion coeffs. meas. *(Japanese)* 2−11449
IR interferometer-spectrometer, appl. to Earth-atmospheric IR background meas. 2−27267
laser, skin friction meter for wind tunnel flow meas. 2−12007
laser frequency-sweeping interferometer, appl. in pattern generator 2−25116
laser interferometer for high temperature isothermal length changes over long time periods 2−21000
laser interferometric measurement and computerized evaluation of ultrasonic displacements 2−11339
line-gauge calibration, automatic system *(Italian)* 2−26709

light interferometers continued
methanol far-IR laser interferometer, quartz cryst. etalons 2−20927
Michelson, asymmetric, for direct determ. of far IR opt. consts. of semicond. 2−11645
Michelson, wavelength meas. of I_2 stabilized He-Ne laser for length standard 2−6985
optical phase structures analyser 2−26975
radial-grating shearing interferometer, multiple order, wavefront sensing in coherent radar system 2−6077
shock oscillations on spiked body obs., flow visualisation using laser interferometer 2−12003
single-mode fibre Mach Zehnder interferometer sensor configs. for AC current meas. 2−7090
small vibration measuring interferometers 2−17188
AlGaAs mode-locked diode lasers, oscillation characts. of coherent ultrashort optical pulses 2−15511
GaAs etalon, intrinsic bistable optical device, regenerative pulsations 2−25829
Si Fabry-Perot interferometer appl. as variable coupler, uniform transmission of FIR lasers 2−6075

light interferometry
see also holographic interferometry; Moire fringes
accelerometer calibration, vibration standard appl. 2−22039
amplitude/phase measurement by phase-modulated single sideband detect., integrated optics appl. 2−7225
cardiac activity, human, at apex region, laser speckle interferometric obs. 2−3462
contactless motion measurement system for surface transport vehicles *(German)* 2−26965
dimension meas., linear, below 0.1 mm, metrological provisions 2−17126
discharge tube, light refraction, Abel inversion 2−10514
displacement meas., laser radiation divergence effect *(Russian)* 2−3270
Fabry-Perot wavemeter, computer controlled 2−17146
fibre, polarisation mode dispersion meas., spatial technique based on visibility max. position meas. in interferometer 2−25512
fringe location device for interferograms 2−3290
garnets, ion implanted, stress profile determ. 2−15150
holographic gratings, triangular and sinusoidal grooves, manufacture and test results 2−2045
integrated optical data preprocessor, 16-channel, based on Mach-Zhender interferometer config., fabrication 2−25538
integrated optical force and stress sensor 2−7078
intensity/phase autocorrelator for ultrashort optical pulse meas. 2−17147
Lambda metre resolution enhancement using novel freq. metre 2−11647
laser, piezoceramic shifters characts. *(Polish)* 2−6286
laser illumination detection for military countermeasures, coherence determination using interferometer fringes 2−6076
laser target interaction obs., high-speed cinematography and interferometry developments 2−10341
mirror control by $Pb(Mg_{1/3}Nb_{2/3})O_3$ electrostrictor, interferometric meas. of parabolic deform. 2−1763
multiple mask registration, interferometric alignment techniques 2−25299
multiple-wedge wavemeter for pulsed laser absolute wavelength meas. 2−20923
optical fibre diameter variation display technique 2−20648
optical field mapping, automated, using single-mode fibre interferometer 2−20615
phase and amplitude meas. by single sideband homodyne detect. 2−26974
photoresist film thickness meas., multiple-beam interferometry and microscopy appl. 2−24826
plasma diagnostics by laser beams *(Hungarian)* 2−25882
plasma etching, end-point detection with laser interferometry 2−14791
sinusoidally varying light signals detector, tripple configuration 2−3156
stack effluent spectral meas. using double-beam interferometer 2−17579
surface measurement in three dimens., optical techniques 2−7215
three-dimensional contour line order meas. for arbitrary object, time sequentially coded gratings, implementation 2−11624
two-layer lightguide fibres, microinterferometric meas. of refr. index 2−15327
UV pulsed interferometry and holography, N_2 laser appl. 2−2052
vibration analysis using holography combined with speckling 2−20978
wind tunnel testing, surface recession meas. using projected fringe technique 2−12008
Ar^+ laser, actively mode-locked, charact. obs. using scanning interferometer *(Chinese)* 2−10192
CO_2 laser with resonator containing selective diffr. interferometer, emission spectrum 2−20813
GaAlAs DH diode laser wavefront meas. and anal. using interferometers 2−15532
$LiNbO_3$:Ti diffused channel waveguide, surface-index profile meas. using interferometric technique 2−15289
Nd:YAG laser rod internal strains, optical anal. using interferometry 2−20928

light meters *see photometers*

light modulation *see optical modulation*

light polarisation
see also birefringence; optical rotation; photoelasticity; polarimetry
acousto-optical correlator, time integrating, based on light polarisation processing 2−15358
conical reflector coating, performance in annular resonator 2−1970
dye laser, freq. locking to Ne absorpt. line by reson. phase polarisation 2−1923
dye laser, variable polarisation, in liq. cryst. matrix 2−10263
electrooptic guided-wave device for general polarisation transforms. 2−9987
evanescent-wave holograms, diffr. efficiency charact. features for TM polarisation of reconstructing wave 2−25876
fibre, elliptical core, polarisation mode dispersion meas. by spatial technique 2−25512
fibre, single-mode, birefr. wavelength depend. 2−5986
fibre isolator, single mode, toroidal config. 2−15292
fibre optics for physical field spatial distrib. meas., polarisation optical time domain reflectometry 2−10021
fibre optics lightguide, long multimode, polarisation saturation 2−20671
fibre-optic current meas. sensor, using Sagnac interferometer *(French)* 2−26832
fibre-optic rotation sensors, unpolarised reciprocal operation 2−1736
fibres, single-mode, anisotropic, eigen polarisation mode existence 2−6022
fibres, single-mode, anisotropic, multiply perturbed, polarisation behaviour 2−25513

light polarisation continued
fibres, single-mode, backward Rayleigh scatt. polarisation props. meas. and anal. 2−20640
fibres, single-mode, birefr., forward-backward transmission, polarisation-sensitive meas. interpretation 2−15325
fibres, single-mode, birefr., polarisation holding 2−20654
fibres, single-mode, birefr. anal. and meas. using backscatt. method 2−15326
fibres, single-mode, step-index, birefr. and polarisation characts. under elastic deforms. 2−9994
fibres, single-mode output polarisation control 2−9991
fibres, single-polarisation, single-mode 2−6005
p-GaAs, photon drag effect, polarisation, spectral and temp. characts. 2−1784
guided-wave devices, polarisation-independ. 2−10039
integrated microoptical polarisation-insensitive switches/modulators, new approach 2−9986
IR image conversion using cholesteric liq. crysts., polarisation method *(t)* 2−20692
kinoform, polarisational, complex 2−6281
kinoform production, polarisation-holography method 2−15576
laser beam direction determ., of polarisation meas. of reflected beam 2−15536
laser Doppler anemometer backscatter meas., walls, two-phase flows, refl. suppression by polarisation 2−15578
liquid polarising filter operating in visible, UV regions, high damage threshold 2−15365
methanol pumped by isotopic CO_2 lasers, submillimetre laser line obs. and assignment 2−25678
multimode optical waveguide, light polarisation modulation 2−10030
multimode twisted fibres, light propagation, Verdet const. *(Russian)* 2−10033
optical fibre, birefringent single-mode, degree of polarisation 2−20634
optical fibre, polarisation maintenance 2−1728
photoelastic light polarisation modulator *(Hungarian)* 2−20697
reflection of light waves from uniaxial anisotropic media, longitudinal and polar config. *(Japanese)* 2−15295
single-mode low dispersion fibre transmission, practical versus theoretical max. transmission bandwidth 2−6004
single-mode optical fibre, 111 cm., polarisation behaviour fluctuations 2−15305
single-mode optical fibres, polarisation parameters meas. 2−25483
spectroscopy, Doppler-free intracavity, of CH_4, freq. stabilisation of He-Ne laser 2−1856
spun single-mode fibres, birefr. and polarisation mode-dispersion 2−1683
unchangeable polarisation conditions for single-mode fibre in pulse were transmission 2−20676
wavefront inversion for light with spatially inhomogeneous polarization in a four-wave combination interaction 2−10355
$Bi_{12}SiO_{20}$, photorefractive electrooptic cryst. with vol. phase hologram, light diffr. 2−10379
CO_2 laser with annular resonator, performance with polariser in annular leg 2−15515
GaAs crystals and solid solns., hot electron luminescence 2−25593
He-Ne Zeeman lasers, mirror anisotropy effects, Jones matrix representation 2−20803
$LiNbO_3$:Fe, photorefractive electrooptic cryst. with vol. phase hologram, light diffr. 2−10379
Nd:YAG solid state laser, polarisation charact. of emission 2−15489
Nd^{3+}:YAG CW laser radiation static polarisation-modulation charact. control using intracavity electrooptic modulator 2−20865

light propagation
see also atmospheric light propagation; guided light propagation
Gaussian optical beam in random med., intensity fluctuations correlation function 2−21112
lamelliform materials, opt. props. and characts. 2−14607
on paradoxes in wave propagations and interpretation of them by optical systems 2−15717
random medium with large-scale discrete inhomogeneities statistical moment of wave field, Monte Carlo method 2−2155
special topics in optical propagation, conference, Monterey, California, (1981 April 6 to 10) 2−16490

light propagation in plasma
discharge tube, light refraction, Abel inversion 2−10514
graded-density plasma with colloidal net, second harmonic generation 2−2157

light reflection
see also mirrors; optical films
colour TV screens, filter concept, optical capability limits 2−16631
distributed feedback bistable optical device, end refl. effect on switching threshold 2−6271
Fresnel reflection halo lasers, planar laser action of 2D disc-shaped active material 2−10321
laser beam direction determ., of polarisation meas. of reflected beam 2−15536
laser beam reflected with reversal of wave front, mean field 2−25825
laser beams, anal. of target signatures for laser altimeters 2−27260
laser Doppler anemometer backscatter meas., walls, two-phase flows, refl. suppression by polarisation 2−15578
LED, Burrus-type, interference effects in emission and reflection spectra 2−1821
liquid crystal display, phase retarder 2−10087
phase transform. interference optical reflecting material medium for visualisation of pulsed laser radiation 2−15287
plasma etching, end-point detection, opt. methods 2−9581
reflection detector using LED light source and planar phototransistor detector *(Italian)* 2−11486
satellite solar power stations, reflectivity aspects *(Italian)* 2−18095
step-index optical fibres, Goos-Haenchen effect and modal distrib. 2−1706
uniaxial anisotropic media, reflected TE and TM waves, longitudinal and polar config. *(Japanese)* 2−15295
In_2O_3(-SnO_2) film, transparent conducting, transport and optical props. 2−5597
KrF laser radiation, amplified phase conjugate refl. 2−15545
Mg mirror surface, dynamic hologram recording, wavefront inversion 2−2055
SnO_2(-In_2O_3) film, transparent conducting, transport and optical props. 2−5597

light reflection spectra *see reflectivity; spectra*

light refraction
see also birefringence
discharge tube, light refraction, Abel inversion 2−10514
fibre index profile meas. by refr.-ray method, refr. near-field scanning 2−5984
Ge acoustooptic refractive IR chopper 2−6069

light scattering
see also Brillouin spectra; Raman spectra; Rayleigh scattering; stimulated scattering
2-variable approach, multimode optical fibres appl. 2−9976
airflow, unstable, single-particle velocity and trajectory meas. of microscale inhomogenities 2−26990
atmosphere, Over-the-Horizon optical scatter propag. meas. in marine boundary layer 2−15544
ceramics, counterpoled, polarisation and elastic vibr. distribs. laser probe meas. 2−20450
D_2O laser Thomson scattering and sub-MM wave heterodyne receiver meas. for Alcator C Tokamak 2−21006
display cell, dispersion scatterer based on a porous matrix 2−26911
echelle and holographic grating comparison for scatt. and spectral resolution 2−2030
fibre centring in silicone coatings using forward-scatt. light 2−1726
fibres, single-mode, backward Rayleigh scatt. polarisation props. meas. and anal. 2−20640
fibres, single-mode, birefr. anal. and meas. using backscatt. method 2−15326
fibres, single-mode, long-range backscatt. expts. 2−20651
fluorescent particle lidar, signal and noise levels 2−26539
laser Doppler anemometer backscatter meas., walls, two-phase flows, refl. suppression by polarisation 2−15578
laser optical system error sensing using scattered light 2−25816
line-of-sight optical communication through low-visibility weather, multiple forward-scatter model 2−16491
lithium formate, parametric scatt. spectrum second-order vibrs. 2−25847
monomode fibre, Rayleigh backscattered signals obs. using multichannel photon counting technique 2−9979
multimode optical fibres, length dependence of joint losses 2−25495
optical fibre, single-mode losses, optical freq. domain reflectometry study 2−20623
optical fibre backscatter meas. using optical time domain reflectometer 2−10035
optical fibre high resolution measurement of diameter variations by backscatter method 2−15301
optical fibre mode power distrib., with fluctuation in physical parameters and appl. to backscattering signal anal. 2−15303
optical waveguide, glass sputtered coating, imperfections, light scatt. study 2−15315
plasma diagnostics by laser beams *(Hungarian)* 2−25882
PMMA, electrical aging, light scatt. study 2−20444
single-mode fibres, meas. of backscatter factor 2−20633
sinusoidally corrugated interface, light diffr. efficiency by phase grating 2−1744
sperm motility study apparatus, microprocessor anal. of scatt. laser light 2−27149
surface EM wave dispersion and attenuation in far IR, inelastic light scatt. meas. 2−6039
Thomson-scattering subMM.-wave ion temp. diagnostic using pulsed D_2O laser at 385 μm 2−2066
turbulence parameter determ. using laser method 2−21001
CdS:Al_2O_3(SnO_2) coating prep. by spray pyrolysis, solar cells appl. 2−24990
GaAs-(AlGa)As heterostructs., light scatt. spectroscopy of electrons, rel. to transport props. 2−5607
TlCl-TlBr KRS-6 single crystals, vol. radiation strength correl. with other optical characts. 2−9969

light sources
see also infrared sources; light emitting devices; photometric light sources; spectroscopic light sources
achievements and prospects for the development of light sources technology], USSR *(Russian)* 2−4451
coherent pulse source, subnanosecond, at 118 nm, Nd laser harmonic conversion 2−2001
developments and improvements in fibre optic system components 2−21823
electronised installation and lighting equipment, dsevelopment trend *(Polish)* 2−23731
encoding of extended incoherent source for image subtraction 2−2382
fiber-optic light pipe for enhanced illumination of typewriter page 2−23727
field-effect integrated injection LED visible or IR source 2−10168
fluorescent lamp for spectral brightness density meas., working standard for vacuum UV region 2−3033
hologram recording and reconstruction in white-light source spectrum 2−6273
holography, historical development, overview *(Czech)* 2−25865
industrial lighting energy saving measures 2−28209
interior light-fittings and equipment, overview *(Polish)* 2−28211
LED and optical fibre end, emitted luminous intensity, parametric representation using Legendre polynomials *(French)* 2−20765
low-noise hologram copying process using narrow-band, non-laser light source 2−20980
medical torch for transillumination of female breast tissues 2−27125
modal noise estimation for arbitrary connectors, fibres and sources 2−25480
nature, operation and characteristics *(French)* 2−16987
photomultipliers, fatigue due to excitation by pulsed light sources 2−20049
Polish products survey (POLAM) *(Polish)* 2−18748
prognostication model for the development of light sources *(Russian)* 2−18746
two-dimensional HALO laser excited by N_2 laser *(Hungarian)* 2−20773
UV collimated light source for off-contact exposure of interconnections, of PCBs 2−5438
$BaNaNb_2O_{15}$, cryst., laser pumped, parametric light source 2−20964

light transmission
see also light absorption; optical filters
fibre links, long, transmission props. 2−1729
fibres, single-mode, birefr., forward-backward transmission, polarisation-sensitive meas. interpretation 2−15325

light transmission continued
liquid crystal displays, guest host and twisted nematic modes, colorimetric characts. 2−7165
luminescent filters, efficiency of wavelength conversion of laser pump light 2−10104
semiconductor compounds as quantum electronic materials, physical characts. *(Russian)* 2−9966
smectic-cholesteric mixed liq. cryst., light transmission characts. in optic effects 2−10086
smoke plume, airborne lidar meas. of plume distrib., vertical transmission and particle size 2−27270
BeF_2 glasses, vacuum UV props. 2−9965
Ga_2Se_3-In_2Se_3 thin films, elec. and optical props. 2−1216
In_2O_3(-SnO_2) film, transparent conducting, transport and optical props. 2−5597
$In_{2-x}Sn_xO_{3-y}$ films, sputter deposited, elec. and optical props., heat treatment effects 2−14660
SiO_2:GeO_2-P_2O_5 graded-index optical fibres, transmission bandwidth props. 2−20617
SnO_2:Sb film, prep. by activated reactive evaporation 2−24334
SnO_2(-In_2O_3) film, transparent conducting, transport and optical props. 2−5597
TlCl-TlBr KRS-6 single crystals, vol. radiation strength correl. with other optical characts. 2−9969

light velocity
No entries

light velocity measurement
No entries

lighting
see also floodlighting; street lighting
7 channel lightshow, circuit description 2−11269
, programmable control circuit 2−4464
achievements and prospects for the development of light sources technology/, USSR *(Russian)* 2−4451
automatic emergency illumination, using transistor, triac cct. *(Spanish)* 2−28228
automatic light switch that detects people and refers to natural light levels 2−28064
automobile ignition keyhole light cct. 2−24623
beamed sunlight integration with artificial lighting as energy saving method 2−4465
brightness measurement, human eye adaptation effect *(Japanese)* 2−8088
building lighting control system, Project Skylight, using microcomputers and radio transmitters 2−23749
buildings, automatic control plus natural daylight use *(Japanese)* 2−8087
busbar trunking systems for lighting installations 2−23740
car lights delay cct., using relay, bipolar transition 2−8053
cathedral church relighting 2−8080
churches, lighting and wiring, booklet 2−4467
churches, relighting problems 2−23744
computer aid to multiple criterion design 2−28226
contrast rendering factor, appl. to office lighting design 2−18753
control, energy savings 2−23741
cost-effective visibility-based design procedures for general office lighting 2−13068
digital (LED) VU meter with 1000 watt readout, for disco lighting effect 2−2977
discharge lamps and fluorescent lamps, developments *(Japanese)* 2−8064
disco light sequencer, Lumitron-4 multi-function lighting-display control system 2−5106
discotheque lighting and equipment 2−23737
discotheque lighting effect, moving poster 2−855
electric light bulb industry in USSR, historical review *(Russian)* 2−4450
electrical circuit of the ChMe 3 diesel locomotive, Soviet Union *(Russian)* 2−28168
emergency lighting, maintenance and testing 2−23739
emergency lighting, present regulations and guidelines 2−23733
emergency lighting circuit efficiency improvement by separately excited single transistor invertor *(Japanese)* 2−8086
energy and maintenance 2−8085
energy conservation at 148 bed general hospital 2−17443
energy consumption monitoring techniques and results 2−4466
energy management in lighting 2−28222
energy-saving band-mirrored traffic signal lamp *(Japanese)* 2−8073
engineering aspects of lighting developments 2−23724
engineering offices energy management and conservation measures 2−8082
equipment manuf. in USSR, future trends *(Russian)* 2−4449
film and television, high-power single-ended discharge lamps 2−8078
fluorescent, solid-state ballast installation in hospitals, energy savings 2−13069
fluorescent lamp three-band type, blue phosphor emission spectrum effect on colour rendition *(Japanese)* 2−8068
fluorescent lamps, Light Capsule screw in type, characts. *(Japanese)* 2−8066
fluorescent lamps, switch-start, energy saving *(Japanese)* 2−8067
fluorescent lamps, uniform illumination control, regulation of AC drive signal 2−23743
fluorescent lamps with integrated reflector, used for lighting efficiency *(Japanese)* 2−8074
fluorescent lighting fixtures for hazardous areas 2−4463
football stadium lighting design features 2−13066
future commercial lighting, SON lamp with heat recovery 2−18749
high bay fittings for industrial lighting 2−8083
high pressure Na lamp, relighting with SON, advantages 2−18750
high rise office energy management scheme using all-electric heating, air conditioning and lighting 2−8092
HMI luminaire design considerations 2−26630
illumination engineering, fundamental equations, soln. *(Hungarian)* 2−23750
illumination sources, energy economics *(Slovenian)* 2−28214
implications of over-illumination in university energy planning 2−28223
industrial lighting energy saving measures 2−28209
industrial plant energy reduction through use of low press. Na lighting 2−13070
industrial plants, high-press. Na lighting system, optimum performance 2−13071
industry, lamps and luminaires, development trends 2−18738
Industry Applications Society meeting, conf., Philadelphia, PA, USA (Oct. 1981) 2−13164

lighting continued
Institute of Electrotechnics lighting technology developments *(Polish)* 2−28227
interior daylight illumination calc. using programmable hand calculator 2−13067
interior light-fittings and equipment, overview *(Polish)* 2−28211
interior lighting design methods 2−8084
interior lighting design parameters, need for unified approach 2−18752
light intensity control, using COP420 microcomputer to vary triac conduction angle, program *(French)* 2−18751
low-rise building economic lighting and space heating 2−8093
luminescence investigations, vision research implications 2−28210
Lumitron-4 light sequencer cct. 2−18757
maintenance-free power packs for emergency lighting 2−23734
metallised polypropylene capacitors, characts. and appls. 2−5379
microcomputer applied to the control and reduction of consumption of energy *(Spanish)* 2−28253
microcomputerised control, HVAC and lighting energy use 2−23735
MUSICOLOUR IV 4-channel colour organ plus light chaser 2−16694
office, energy management principles 2−23745
open plan areas, design and costing 2−23747
PA-LOOK fluorescent lamp, characts. *(Japanese)* 2−8065
point illumination calc. using programmable pocket calculator 2−4447
Polish design of electric installations in halls *(Polish)* 2−23751
Polish products survey (POLAM) *(Polish)* 2−18748
recent and future developments in illuminating engineering 2−23742
road tunnel lighting practice world-wide 2−18754
road tunnels, energy saving potential in Japan 2−8188
school buildings energy conservation program for reduction of power consumption *(Portuguese)* 2−23770
self-powered lights for escape routes, emergency lighting 2−8079
small size operating rooms, optimisation *(Russian)* 2−8089
sound to light generator, using bass, middle, treble channels, thyristor control 2−19822
Steiner and Steiner system of autonomous current supply for emergency lighting *(French, German)* 2−23736
study of the installed performance of industrial luminaires 2−28225
systems, factors affecting luminaire efficiency 2−23746
technical advice from electricity supply undertakings for work place humanisation *(German)* 2−8081
telephone exchange buildings, planning aspects 2−21691
theatre lighting equipment, historical development 2−23738
TV outside broadcasts, lighting, Royal Wedding 1981 2−26579
TV studios, Europe *(Japanese)* 2−16569
TV tower lighting arrangements and equipment *(German)* 2−23748
USA military installation energy management using computerised load control 2−8091
variable light flasher, using TTL SN7414N IC, triac 2−4448
Na lamp, high pressure with high colour acceptability, characts. *(Japanese)* 2−8069

lightning
channel impedance calc. models for electronic systems 2−26007
discharged current characts., from needle electrode, applications to thunderclouds detection 2−7172
electric currents induced by lightning, meas. by coaxial shunt method *(French)* 2−17073
ELF radio noise, from lightning discharges, 1-D distrib. function of vertical elec. component 2−21118
lightning surge characts. induced in telecommunication lines *(Japanese)* 2−16324
LV insulators subject to lightning strikes, dimensioning of leakage paths *(German)* 2−3775
measuring apparatus and techniques 2−3607
power transmission line air terminations, lightning side stroke influences on efficiency *(Polish)* 2−3773
pulse transmission through transformers, computation method *(German)* 2−4260
recording of lightning impulse voltages, by wave memories *(German)* 2−22216
simulation in aircraft, TRANSIMM model 2−27246
surge waves induced in transmission lines, theory *(Japanese)* 2−15746
VHF radiation sources, two-dimensional interferometric positions 2−12062

lightning conductors *see lightning protection*

lightning protection
see also surge protection
35- and 110-kV substations lightning protection circuits optimisation 2−27986
345 kV transmission grid, double-circuit tripouts due to lightning, evaluation 2−7572
500 kV substation lightning damage investigation 2−7573
aircraft, comparison low level swept CW, high level transient current injection test techniques 2−27247
aircraft, low level lightning simulation test development in the 1980s 2−27249
aircraft wiring, transient prediction using swept CW measurement technique 2−27248
amateur radio installation 2−15765
array subsystem development for photovoltaic array fields cost reduction 2−23536
buildings, lightning conductors design *(Russian)* 2−3788
communication cables, damage, vulnerability to lightning discharges, anal., protective measures 2−16317
composite material aircraft EM design and synthesis, lightning and NEMP coupling 2−27250
contribution to the design of supplementary lightning protection for large 220 and 380 kV outdoor switching stations *(German)* 2−23384
distribution circuit covered-conductor burndown prevention 2−17711
distribution surge arrestors, operating duty due to indirect lightning strikes 2−12314
distribution transformer insulation hazard due to abrupt lightning surges *(Polish)* 2−17708
electrical/optical communication systems interference effects and counter measures *(German)* 2−26193
electrodes and electrical resistance measurements *(German)* 2−22950
industrial plants, arrester design and assembly *(Polish)* 2−7581
model studies of the role of aircraft electrisation in lightning initiation *(Russian)* 2−11981

lightning protection continued
multipurpose transmission tower for radio relay, TV and radio services at Saint Chrischona, Switzerland, lightning protection *(German French)* 2−1167
multistage protection circuits for digital telecommunication installations 2−10764
MV/LV transformer substation and LV distribution networks lightning protection 2−27578
MW radio transmitters, lightning and fire damage protection *(Japanese)* 2−21924
NEMP type lightning indirect effects simulator for aerospace vehicles 2−27242
photovoltaic power systems 2−23542
power lines with lightning arresters, choice of protection *(Croatian)* 2−27571
protected zone relationships with lightning conductor height *(German)* 2−27568
radioactive lightning rods, exposure doses meas. and estimates *(Croatian)* 2−27580
submarine coaxial cable repeatered line, surge protection design *(Japanese)* 2−13243
surge arresters with current limiting fuses, analytical method for coordination 2−3801
tall buildings, probabilistic calcs. using transmission line protection practice 2−12297
telecommunication installations, recent developments *(Japanese)* 2−13239
telecommunication power systems, lightning surge investigation and protection *(Japanese)* 2−17760
telephone station equipment and subscriber equipment *(Japanese)* 2−13242
test surge wave determ. method for telecommunication transmission equipment *(Japanese)* 2−13240
test surge wave determ. methods for transmission equipment 2−12295
th volt second characteristics/ of insulator/ sets subject to nonstandard lightning/ pulses and reduced atmospheric pressures *(Russian)* 2−3779
transformer substation lightning protection using additional earthing strips, effectiveness *(German)* 2−4259
transmission systems, investigation of transient response characts. in ground resistance with surge currents *(Japanese)* 2−13241
US naval inservice aircraft, lightning strike, damage survey 2−27251

lightning rods *see lightning protection*

limit cycles
interconnected systems, existence and nonexistence of limit cycles 2−387
zero-input, accessibility in digital filters 2−6435

limited space charge accumulation
see also Gunn effect; negative resistance effects; space-charge limited devices
Gunn diodes, enriched layers, operating conditions, limited space-charge accumulation mode 2−1330
LSA microwave oscillators, freq. locking 2−9219
$CuInSe_2$ single crystal, carrier heating by microwave elec. field 2−5593

limiters
see also microwave limiters
control and drive logic integrated circuits *(German)* 2−12669
Hitachi HA11225 limiter-demodulator ICs, FM receiver appls. 2−14031
p-i-n diodes, appl. in RF telecommunication and radar systems *(Italian)* 2−19813
power system fault current limiting device, ultrafast fault sensor appl. 2−12299
Schottky diode, based on thin film technology in TO-8 housing *(German)* 2−14302
surge arresters with current limiting fuses, analytical method for coordination 2−3801
Toko KB4441 limiter-demodulator ICs, FM receiver appls. 2−14031
vacuum arc fault current limiter development 2−28071
wideband IFM radar receivers, limiter circuit based on rapid AGC cct., S-band appls. 2−26530

limiting circuits *see limiters*

line concentrators
automatic testing, K 1510 microcomputers in remote data processing *(German)* 2−16816
digital microwave rural telephony system, IRT 1500, telephone concentrator, facilities using TDMA techniques 2−6763
digital switching introduction into local telephone exchange networks 2−10923
small scale, 100 to 150 terminals, digital data circuit switched networks appl. *(Japanese)* 2−6646

linear accelerators
see also collective accelerators; electrostatic accelerators
azimuthal drift velocity, radial centre of gravity determ. 2−11717
CHEER injection system 2−17192
current limitation in an accelerator with variable-phase focusing 2−11719
electron, picosecond single pulse, injector development 2−7246
electron accelerator, single bunch electron beam radiation loss expt. obs. 2−7251
electron accelerator-based cold neutron source 2−27022
electron beam noise characteristics in linear accel. 2−27018
ETA gun characts. 2−3359
GELINA, pulsed neutron source improvement 2−7272
heavy ion linear accelerator, resonant cavities, energy gain meas. 2−3339
high beam-current accelerators, research program in US, review 2−3312
high gradient pulsed proton beam accelerating equipment, 250 keV, design and testing *(Chinese)* 2−22467
induction accelerators, synchronized switching mechanism 2−17194
induction heavy ion linac, inertial confinement fusion appls. 2−11687
inertial confinement heavy ion fusion, RF linac driver 2−11713
injector pulse counter for a linear accelerator 2−27089
intense linear ion accelerators 2−17197
iris cavities, circularly symmetric EM fields theory 2−17214
linac injector, heavy ion fusion, transverse emittance requirements 2−3322
MEA 500 MeV electron linear of section K of NIKHEV *(Dutch)* 2−3311
MIT Bates Linear Accelerator shielding, on the duct streaming of neutrons and photons 2−11684
multiple beam electrostatic quadrupole focused linac, heavy ion fusion appls. 2−11686
optical klystron description and physical mechanism 2−1828
particle acceleration in an HF field inhomogeneous over its cross section 2−11718
pressured Pierce type high gradient accelerating tube, 250 keV, design and testing *(Chinese)* 2−22466

linear accelerators continued
proton (3×10^{16} protons/sec), power costs saving design 2−22456
proton linac, 500 μA, 70 MeV, for medical radioisotope prod. 2−27001
pulsed heavy-ion beam injection from FN tandem into linac 2−11730
Pulselac C inductive linear accelerator, space charge neutralised ion beam for inertial fusion 2−3324
radiation therapy of malignant neoplasms, development trends, linear accelerator and betatron use *(Russian)* 2−22565
SLAC linear collider for e^+e^- physics 2−11723
superconducting linear accelerator booster project, status report 2−11732
two-magnet doubly achromatic beam deflection system for electron linac beam 2−7249
UHF injector for linear electron accelerator 2−27024

linear algebra
see also determinants; eigenvalues and eigenfunctions; matrix algebra; tensors; vectors
boundary-value problem 2−19281
complex roots of characteristic equations 2−19324
computer simulation of DC machines 2−4233
cubic splines and approximate solution of singular integral equations 2−13794
effects of environmental temperature fluctuations on the parameters of a thermoelectric battery 2−19276
electric machine winding temp. rise calc. algorithm 2−4043
electrochemical cell electrode polarisation 2−18435
finite charges in Neumann algebras 2−19075
finite difference method convergence 2−19284
fixed point equations, E-methods 2−24253
Grassman powers and spectra 2−8378
homogeneous generalised function associative multiplication 2−8397
induction motor rotor slot influence and starting phenomenon model 2−7858
internal discretization in Sobolev space W_{op}^1 2−19302
Jacobian elliptic function Taylor series expansion 2−13664
krylov subspace methods for solving large unsymmetric linear systems 2−436
linear induction motor electromechanical stiffness and damping model 2−4162
linear induction motor short-primary unbalanced terminal voltage and currents model 2−4160
linear operator mapping 2−19300
mixed inverse boundary-value problem in doubly-connected domain, solvability 2−19283
modification method for solution of piecewise-linear equations *(Russian)* 2−19327
multiconductor overhead lines, transients calc. *(Polish)* 2−17752
numerical algorithm 2−19318
on duality theorems 2−8374
powers of two and three 2−164
practical optimisation, book 2−8656
quasi-Newton algorithm for the control of large nonlinear econometric models 2−434
segment stator linear motor edge effect field harmonic theory model 2−4241
shaded pole motor, math. model 2−4135
short-primary linear induction motor field calc. transfer matrix model 2−4147
simulation of AC machines by SPICE program 2−4108
sparse positive definite systems, numerical solution 2−446
stress anal. slope stability limit equilibrium method 2−8660
subalgebra products 2−19076
subdirectly irreducible double p-algebras of finite length 2−13343
superconducting, magnetic field calc. 2−7833
superconducting alternator equivalent circuit model 2−4077
superconducting generator magnetic fields calc. 2−4074
superconducting generator transient behaviour 2−4079
surface structures numerical solution, three-dimensional, using isolines, gears synthesis appl. *(German)* 2−8707
surplus numbering systems *(Russian)* 2−19326
synchronous generator transient characts. model 2−4088
turbogenerator slot leakage inductances numerical calc. model 2−4093

linear differential equations
boundary-value J-selfadjoint extensions 2−506
concrete structures, differential creep stress analysis 2−13654
delay, Banach space solution 2−13387
deterministic systems, identification techniques 2−178
elliptic, anti-maximum principle 2−13388
interior regularity operators 2−13365
invariant differential equations representation *(Russian)* 2−500
Lame's differential equation, algebraic solutions 2−4711
numerical methods for solving differential equations with inadequate data 2−8734
stochastic, linear theory 2−8576
structural problems 2−183
synchronous machine with damper winding, two-phase short-circuit model 2−19363
target core compactness in linear delay system 2−8408
Toeplitz-Hankel coeff. matrix system of eqns., efficient soln. 2−21340

linear integrated circuits
active ICs used by East German railways *(German)* 2−20352
active-C network, first order, MOS compatible 2−24600
AD293/4 hybrid isolation amplifier using thick film transformer 2−1068
AD7546 16-bit digital/analogue convertor 2−5263
AM/FM PLL synthesizer for 4-band radio receivers 2−2892
AM/FM tuning systems using PLL frequency synthesis, Mitsubishi Electric product 2−19603
analogue components 2−14900
ATE 2−11338
basic configurations and appls., book 2−13197
Bi-FET op. amp. 441, appls. 2−13976
Bi-FET op. amps., LF441 2−8988
BiMOS op. amp., for low voltage operation 2−19565
bipolar and CMOS linear ICs, comparison 2−1399
bipolar transistors, influence of post-emitter processing on current gain 2−25204
bipolar wideband amplifier, on monolithic chip 2−19562
calibrated DC power supply *(Polish)* 2−13964
chime generator, three-tone, using SAB 0600 IC 2−14260
CMOS 8-bit A/D convertor ADC-0801-04 for interface with microprocessors 2−892

linear integrated circuits continued
CMOS adaptive biasing amplifier 2−13996
current mirror ICs 2−5307
cyclic A/D convertor using switched-capacitor integrator, single-chip realisation 2−19741
data acquisition components and systems, recent developments 2−16875
dielectrically isolated ICs for HV, high temp. appls. and radiation tolerant devices 2−9724
Entryphone intercom, used for two-way household caller identification, ICs 2−16228
FET amplifiers, bias current measurement 2−19556
GaAs monolithic ICs, review *(Czech)* 2−15017
hybrid operational amplifiers, advantages for particular appls. 2−13975
instrumentation amplifier, LM163 2−8991
instrumentation amplifier IC, designed for O_2 sensor interface requirements 2−19567
instrumentation amplifiers, LM363 family from National Semiconductor 2−8990
JFET-bipolar op. amp., low-voltage micropower operation 2−19566
LED driver, high performance 2−25334
logarithmic amplifer, semi-custom IC appl. in electronic countermeasure systems 2−26532
low-noise monolithic precision amplifier *(German)* 2−13977
monochrome receivers, LSI chip for small-signal functions 2−2897
monolithic AF amplifiers, computer-aided evaluation of transient intermodulation distortion 2−751
monolithic audio power amplifier with volume and tone control 2−13995
monolithic MIC linear amplifier design and fabrication techniques 2−943
monolithic operational amplifiers, advantages for particular appls. 2−13975
MOS volume and tone control IC, for Hi-Fi audio 2−22008
multichannel instrumentation recorder maximum signal range LED indicator, ICs 2−7144
NMOS high-speed operational amplifier fabricated using VLSI technology 2−24407
NMOS op. amp., chopper stabilisation using feed-forward techniques 2−19569
open loop programmable amplifier, with extended freq. range 2−19561
operational amplifier, low noise, high precision 2−19570
operational amplifier, total dose radiation resist., nitride passivation effects 2−13982
operational amplifier, voltage noise optimisation in audio and low freq. bands 2−19564
operational amplifier 741, design and operation 2−749
phase shifter, voltage controlled, using ICs 2−14241
Plessey SL6440 mixer IC, using transistor tree 2−24452
polyuse, linear bipolar semicustom IC *(French)* 2−14977
programmable nonnumeric controls *(German)* 2−19574
Siemens' p-n-p operational amplifier TAB 1453, characts. 2−747
small-signal output parameters sensitivity determ. of linear ICs, efficient algorithm *(Russian)* 2−14905
temperature excursions controlled to prescribed limits using ICs, relay 2−14240
testing using digital computer-controlled test system 2−5798
TL783 adjustable regulator, 125 V differential 2−13937
transistor-resistor-coupled device, CA3083 appl., transconductance and linear transfer charact. 2−13984
VCO, HF, temp. stable, on monolithic chip 2−19582
voltage regulator, MOOSE IC fabrication structure, using high power discrete transistors 2−5089
GaAs monolithic low-noise broad-band amplifier, appl. 2−19563
GaAs monolithic microwave power FET amplifiers 2−944

linear motors
active synchronization control system used in DC linear motor 2−12663
asynchronous for automatic manipulators *(Russian)* 2−18228
axial flux linear induction motors, rotor core flux densities, meas. and calc. 2−12665
characteristics of linear synchronous motor drive cycloconverter for Maglev vehicle ML-500 at Miyazaki test track, Japan 2−8044
computation of the magnetic field and of the thrust of the linear synchronous motor with ferromagnetic poles *(Russian)* 2−7874
conducting layers normal currents calc. 2−7876
construction of a circle diagram for rotating and linear induction motors *(Russian)* 2−23295
convertor-fed AC drives, hybrid simulation model *(German)* 2−4112
cooling of electrical machines/ *(German)* 2−4054
design of linear induction motors with transverse closure of the magnetic flux *(Russian)* 2−18275
electrodynamic levitation forces, theory and small-scale tests 2−10422
end effects in series-wound linear induction motors 2−27948
experimental and theoretical study of high speed single sided linear induction motors 2−12664
Fourier analysis of linear induction pumps/ with concentric windings/ and infinite arrays/ 2−4157
homopolar synchronous permanent magnet, magnetic field calc. finite element model 2−12615
homopolar synchronous permanent magnet, magnetic field calc. finite element model 2−12616
induction, 3-phase winding design 2−4156
induction, air gap magnetic field partial differential equations model 2−4152
induction, conf. at Athens, Greece (1980) 2−23240
induction, electromechanical stiffness and damping model 2−4162
induction, field and force distribution double Fourier series model 2−4150
induction, finite iron and secondary width effects partial differential equation model 2−4149
induction, magnetic field calc. partial differential equation model 2−4153
induction, partial differential equations model 2−4148
induction, series connection behaviour 2−4159
induction, short stator end effects partial differential equations model 2−4151
induction, short-primary unbalanced terminal voltage and currents model 2−4160
induction, unbalanced 3-phase voltage magnetic field calc. Fourier transform model 2−4155
induction, with solid iron back yoke and variable freq. drive, magnetic field calc. model 2−4154
induction double-side, FEM model 2−4145
induction motor, field calc. by integral eqn. 2−2078
induction motor surface impedance finite difference model 2−4146
induction pump for liq. metals, comparison of distributed and concentric windings 2−27920
induction with U-shape secondary, magnetic fields calc. finite difference model 2−12649
integral characteristics of linear asynchronous motors with parallel winding connection with an assigned symmetrical voltage *(Russian)* 2−4240
investigation of the magnetic field of the armature reaction and the thrust of the linear synchronous motor with ferromagnetic poles *(Russian)* 2−7875
linear motion tubular electric motor, nonlinear analysis of field distribution assuming periodicity conditions 2−18274
low power linear induction motors, design recommendations 2−4238
maglev transportation systems, high speed, state control of translational movement *(German)* 2−28185
magnetic levitation and linear motor propulsion for advanced ground transport 2−18719
materials handling, linear drive appls. *(German)* 2−8133
ML-500 propulsion system 2−4412
oscillatory synchronous linear motor in electro-mechanic resonance 2−12614
performance calculations for a linear induction machine with solid saturable secondary 2−4163
performance of ideal current inverter fed linear inductor motors: a theoretical study 2−27946
performance of the direct current linear motor with electronic commutation 2−12667
positioning drives *(German)* 2−8029
rail vehicles dynamic performance improvement through control of linear motors 2−18712
rotational motion of the short-stator in the single-sided linear induction motor/ 2−4158
segment stator, edge effect field harmonic theory model 2−4241
short-primary linear induction motor field calc. transfer matrix model 2−4147
single-sided linear induction motors, comparative performance of squirrel-cage, solid-steel, and Al capped reaction rails 2−13036
small electric machines design and anal. techniques applications for small aircraft 2−13649
spatial Fourier techniques and end effects in the single-sided linear induction motor 2−27947
specific functions for selecting optimum linear induction motors for high-speed vehicles *(Russian)* 2−23315
squirrel cage, single side, magnetic field calc. partial differential equation model 2−4161
step motors, magnetic ccts. design 2−23318
stepping, normal force prediction using permeance data 2−12683
superconducting for power appl., limits 2−12668
superconducting magnetic levitation railway, R&D present status in Japan 2−8047
synchronous, with iron poles, computation of saturated inductor *(Russian)* 2−18277
synchronous, without exciters, EM field of stator coil with massive conductors, anal. *(Russian)* 2−7872
synchronous for propulsion/levitation, magnetic fields calc. model 2−12617
synchronous for propulsion/levitation system, magnetic field calc. finite difference model 2−12619
synchronous homopolar, magnetic field calc. finite element model 2−12618
synchronous motor, with iron poles, EMF in stator *(Russian)* 2−18276
three-dimensional mathematical model of a linear asynchronous motor with a magnetic circuit in the form of a parallelepiped *(Russian)* 2−7873
tone-arm with velocity feedback appl. *(Japanese)* 2−6959
transient performance, anal. 2−23316
unilateral, optimal calculus using Leyer method 2−12666
unipolar motors, theory and mechanical appl. *(Dutch)* 2−23317

linear network analysis
active filter design and anal., state-space approach 2−5281
active gyrator, stable two-port operation at high. freqs., computer simulation, resonator appl. 2−13921
active networks, generation of equiv. networks with minimised sensitivities 2−825
active two-port network with correlated noise generators, noise temp. 2−9142
analogue electronic systems, testability and test complexity 2−11350
bandwidth determination based on S/N ratio criterion 2−13918
cascaded, Elmore and traditional rise times comparison 2−13920
circuit performance under periodic changes *(Russian)* 2−8945
circuits constructed with cascade connection of unit exponential lines, transmission charact. *(Japanese)* 2−677
diakoptic iterative method for anal. of complex ccts. *(Czech)* 2−13917
difference operators in discrete Fourier transform *(German)* 2−24368
differential eqn. describing linear systems in the time domain *(Portuguese)* 2−8946
digital network, simple method for determining the computable ordering 2−14043
distributed parameter network, telegraph equations *(Russian)* 2−19516
distributed parameter-nonlinear lumped parameter network, time domain anal., algorithms and programs *(Hungarian)* 2−8950
electronic circuit analysis soln. *(Russian)* 2−670
elementary linear cct. anal., book 2−16
equivalent transformations of linear multipole networks in power systems *(Russian)* 2−12209
FDNR cct. using single operational amplifier 2−14215
filters, Grassmann manifold-based theory 2−13923
large circuit nodal analysis, numerical implications of reference node choice 2−8949
lumped linear passive RLC networks; exact equivalent ccts. 2−5070
lumped parameter linear dynamic systems state-space description formulation algorithm *(Czech)* 2−24371
lumped parameter networks, one-dimensional minimax algorithm based on biquadratic models 2−24372
lumped/distributed networks, state-space anal. in time and freq. domains 2−13916
Monte Carlo method of one-sided tolerancing 2−19571
multiconductor transmission-line parameters determ. in freq. domain, iterative method 2−8952

linear network analysis continued
non-uniform transmission lines with odd order binomial form charact. impedance, approx. mixed lumped-distributed representation 2−8951
nonuniform coupled transmission filters, coupled mode analysis *(German)* 2−19515
oscillator frequency sensitivities, efficient computational algorithm 2−5071
parallel networks, series connected, amplitude-freq. and phase-freq. charcts. 2−672
phase shift cct. analysis by summing effects of each of n reactive elements with other n-1 elements excluded 2−9184
power functions in simple circuits optimised by linear programming techniques 2−8947
reactive power determ. *(Russian)* 2−3730
reciprocal passive networks, mathematical inequality and closing of switch 2−669
resistive n-port network, hybrid matrix eqns. formulation 2−24364
RL-RC n-ports, elementary props. 2−19510
Schlicht networks, unattainable region of power performance 2−13922
simulation on minicomputer *(Spanish)* 2−24369
symbolic network analysis, database for generating transfer functions 2−5069
time-dependent complex quantities and instantaneous complex power 2−24366
time-invariant, frequency scaling by time varying function 2−24367
time-varying digital filters, props. of compatible transform 2−839
toleranced analogue circuits, operation in linear regime, fault diagnosis 2−673
two-port network scattering parameter and noise parameter meas., computerised network analyzer appl. 2−26807
two-stage transistor microwave amps. with lossless matching ccts., analysis 2−9232

linear network synthesis
active filter design and anal., state-space approach 2−5281
active filters, component value determ, flexible program 2−19768
active ladder filters, high quality double-integrator building-block 2−19784
active R multifunction cct. synthesis 2−24591
active RC filter design, for required amplitude and phase characteristic *(Hungarian)* 2−9146
antenna equivalent cct. synthesis using computer-aided optimization methods 2−10564
CAD, ACLINE, AMPSYN and CADSYN programs *(French)* 2−19509
Chebyshev low pass active filter design *(Czech)* 2−830
edge-detection filter, optimal design in time domain 2−19763
homogeneous two variable reactance functions, characterisation and synthesis 2−671
inductorless current conveyor allpass filter using grounded capacitors 2−24590
L-C-R-T network synthesis, two-pole and 2n-pole realisations, methods *(German)* 2−19514
LC ladder four-pole filter synthesis using impedance parameters, TI 58/59 calculator program *(Czech)* 2−19766
lossy/lossless lumped-distributed cascade networks synthesis 2−19512
lowpass filters, sharp cutoff, realisation by cascading low-Q 3rd-order blocks 2−19785
lumped parameter equiv. ccts. for EM screens, synthesis 2−2168
mixed lumped-distributed networks, cascade synthesis 2−24365
multiple amplfier active RC biquadratic sections, using op. amps. f or active filters 2−9147
non-series-parallel three-terminal RC network, decomposition formula 2−675
nonisomorphous passive selective circuits, structural synthesis *(Russian)* 2−13919
programmable state-variable active biquads 2−14210
RC active filters, second complementary transformation *(Czech)* 2−9150
RC active filters using current conversion type generalised immittance convertor, design 2−9148
reverse ladder linear predictor 2−19511
selective filters with equalised passband group delay response, transfer functions determ. 2−19761
stable immittance function synthesis, using RLC networks with negative resistor 2−8948
three-port voltage controlled voltage source structure, HF 2−691
three-port voltage controlled voltage sources, active compensation for finite gain bandwidth of op amps 2−19788
transfer function determ. from amplitude response squared 2−19513
two-port lumped and distributed networks, cascade synthesis, use of Minkowski model of Lorentz space 2−24370

linear programming
10-bus 13-line power system load flow optimisation algorithm, mathematical programming application 2−22781
acyclic subgraph problem, branch and bound algorithm 2−19182
air pollution control model, optimisation by linear programming 2−3636
algorithms for problems with interval objective function coeffs. 2−403
b-hull of an integer program 2−4898
binding constraints in linear programming, directional derivative heuristic approach 2−13620
centralized generation control of real power for thermal units by a parametric linear programming procedure 2−3712
computer network heuristic model 2−21557
constrained l_1 estimation via geometric programming 2−4903
decomposition method for mixed integer linear programming problems with angular structure 2−400
decompositional method for solving linear programming unitized problems having associated variables *(Russian)* 2−13645
digital filter microcomputer program 2−24619
dispatching, minimum MVAR generation criterion 2−3710
district heating power stations, optimum thermal load sharing, computer models *(German)* 2−3907
dual complementarity in interval linear programming problems 2−4901
dual of extreme point linear programming problem 2−4892
duality theorem of semi infinite linear programming 2−408
dynamic normalisation and the Dantzig-Wolfe decomposition algorithm *(Hungarian)* 2−4905
efficient constrained power flow technique based on active-reactive decoupling and the use of linear programming 2−22881
electric power transmission model, basic submatrix coeffs. sensitivity 2−7769

linear programming continued
energy resource development systems, dynamic linear programming models 2−17805
energy supply discrete optimisation methods 2−22784
finite checkability for integer rounding properties in combinatorial programming problems 2−24203
formulation of linear programming problems by fuzzy function *(Japanese)* 2−19265
fractional prgramming, appls. and algorithms 2−378
future US energy technologies: cost and oil import tradeoffs 2−23940
fuzzy set theory appl. in goal programming 2−24198
global quadratic algorithm for solving a system of mixed equalities and inequalities 2−4908
goal programming with linear fractional criteria 2−13634
handling artificial variables in simplex method 2−13621
heuristic self-organization algorithm for solving an integer-valued linear programming problem 2−19264
hide-search game 2−8449
identification simplex algorithm 2−19253
inequalities, non-polynomiality of relaxation method 2−19260
integer, approximate algorithm *(Bulgarian)* 2−19263
integer linear programming problems with inexact objective function 2−373
interactive algorithm adapted for multinormal distributions, multicriteria approach *(French)* 2−4891
irrigation water, economic feasibility of solar pumping/ 2−23846
Khachyan's algorithm, optimal soln. *(French)* 2−4913
Lagrangian treatment of certain nonlinear clustering problems 2−379
large LP testing routines 2−8641
large scale hydro-thermal system generation expansion planning, optimisation-simulation technique 2−17682
large-scale programming, factorisation methods *(Japanese)* 2−427
least absolute value regression problem, new descent algorithm 2−8519
lexicographically extended linear maxmin problem, simplex based algorithm 2−4902
linear restriction and L_∞ norm estimation 2−8693
linear vector optimisation, duality concept *(Czech)* 2−19092
LVMP relaxation anal. 2−19252
MARKAL, linear programming model for energy systems analysis, BNL version technical features 2−24201
matching forests, optimum, general weights 2−19217
matching forests, optimum, special weights 2−19216
matrix theory optimisation 2−8649
measurement errors evaluation, indirect meas. problems 2−16756
model switching criterion for class of stochastic linear programs 2−13619
multicriteria problems, compromise solutions using the fuzzy min-operator 2−8645
multiobjective, interactive method, RESTEM *(Japanese)* 2−428
multiple objective program, initial efficient extreme point 2−399
on duality theorems 2−8374
optimal facsimile link networks design, network model optimisation *(Russian)* 2−21481
optimal simplex tableau characterization of unique and bounded solutions of linear programs 2−13638
partially integral, approximate solutions method 2−13630
pig-iron production planning *(Russian)* 2−18788
polynomial-time method 2−366
power functions in simple circuits optimised by linear programming techniques 2−8947
power generation planning model, methodology and case study 2−27439
power system investment decisions anal. and review 2−27432
power systems, optimization methods in planning and operation 2−27431
program package for identification and operative analysis of power flows in intersystem sections of power interconnections 2−3676
reactive power compensation by a linear programming technique 2−17626
regional energy use in the USSR 2−22783
sales organisation fuzzy team problem 2−19112
semi-Markov birth-and-death processes, controlled, optimal strategies 2−8524
simplex methods of direct search 2−8642
solution algorithms for integer linear programming problems 2−24192
stability proof using duality correspondences *(German)* 2−425
steepest ascent method, maximisation of piecewise linear concave function 2−8653
stochastic games, undiscounted, LP formulation 2−4746
stochastic linear optimisation, distribution problem *(German)* 2−8655
stochastic programming models for decreasing risk aversion 2−13639
superresolving image restoration using linear programming 2−26149
transportation techniques in linear-plus-fractional programming 2−4893
upper bounds calc. 2−13629
voltampere reactive compensation using chance-constrained programming 2−22846
X-matrix simplex method *(Russian)* 2−4897

linear rectification *see rectification*

linear rectifiers *see rectifiers*

linear systems
algorithm for evaluating the sensitivity of automatic control systems for electric drives 2−8032
causal shift-variant system excited by causal inputs, characterisation 2−6430
continuous time linear systems, reduced order stochastic observer estimator using invariant imbedding 2−21259
DC motor chopper quasi-steady state anal. 2−18636
decoupling and disturbance rejection control of linear time-varying time-delay systems 2−4918
differential eqn. describing linear systems in the time domain *(Portuguese)* 2−8946
generalized zero sets of multiparameter polynomials and feedback stabilization 2−24231
identification of stochastic linear systems in presence of input noise 2−10681
impulse responses, fast calculation without multiplication 2−2325
linear control systems Pade approximation methods 2−8706
linear dynamic system state vector meas. using Kalman-Bucy filter *(Russian)* 2−3021
lumped parameter linear dynamic systems state-space description formulation algorithm *(Czech)* 2−24371
multimachines power system electromechanic coherency 2−12129
narrow-band linear systems, normalisation of pulse noise at output 2−24119

linear systems continued
nonstationary measurement noise identification 2−21336
optimal control of nonlinear stochastic systems 2−383
parameter estimation, filtering problem under conditions of ambiguous meas. 2−22032
target core compactness in linear delay system 2−8408
time invariant causal digital filters, transfer function real part on unit circle 2−24617
linearisation techniques
see also piecewise-linear techniques
quasi-harmonic, pull-in range of a third-order phase-lock AFC 2−782
lines (telephone) *see telephone lines*
linewidths (spectral) *see spectral line breadth*
linkages (electric connectors) *see electric connectors*
linking *see joining processes*
links, telecommunication *see telecommunication links*
Liouville equation
see also Vlasov equation
estimates of eigen- and associated functions of the Sturm-Liouville operator with discontinuous coefficients *(Russian)* 2−4929
field-reversed axisymmetric plasma, equilibria and MHD stability calc. 2−8735
lip microphones *see microphones*
liquid crystal devices
see also liquid crystal displays
bistable electro-optic modulator *(Chinese)* 2−1755
bistable threshold-sensitive device, μsec. speed, based on chiral smectic C phase 2−15353
C-CD driven liq.-cryst. spatial light modulators 2−10090
CRT large screen presentation developments 2−20046
digital light beam deflector, wedge struct. with twisted orientation 2−10088
dye laser, variable polarisation, in liq. cryst. matrix 2−10263
field-effect electro-optical devices, liq. cryst. materials 2−11554
flat television screens, using electrolum., LEDs and liq. cryst. *(Spanish)* 2−11189
image derotator-liq. cryst. unit, rotating component temp. pattern meas. in real time 2−16866
IR image conversion using cholesteric liq. crysts., polarisation method *(t)* 2−20692
light valve, photosensitive MIS structure, as dynamic image transducer 2−6066
light valve, using bulk $Bi_{12}SiO_{20}$ as photocond. material 2−6067
light valve based on cholesteric-nematic transition 2−15352
multistable optical device based on nematic liquid crystals *(Slovak)* 2−6060
nematic liquid cryst. cell, crit. angle calc. 2−6063
nematic liquid crystal colour filters, transmission spectra 2−1759
Norwegian LCD production, application in car dashboard display *(Norwegian)* 2−26903
one-dimensionally and two-dimensionally ordered liq. crysts. and appls., conference, Garmisch-Partenkirchen, Germany (Jan. 1980) 2−8145
optical noise-limiting and multistability 2−6068
optical wavefront reversal possibility with aid of liq. cryst. transparencies 2−2014
opto-electronic liquid crystal bistable device, processing for real-time optical information 2−25557
phase change devices, cholesteric texture study by laser light diffr. 2−6064
sensors and transducers appl. 2−22263
shutter which converts black and white images into full colour 2−3221
stereo-television system based on light-valve spectacles using liquid-crystal cell with twist effect *(Russian)* 2−16643
tilt bias angle meas. with improved sensitivity 2−1756
variable grating mode liquid crystal device for optical processing and computing 2−10084
liquid crystal displays
alphanumeric displays and control by microprocessor *(French)* 2−22152
anthraquinone dyes in liq. crysts., order parameter and photochem. stability, display appls. *(French)* 2−11551
bicyclo[2.2.2]octane esters, nematic liq. cryst. props. rel. to display appls. 2−11552
cholesteric phase, electro-optical and thermo-optical appls. 2−11560
CMOS drive and interface circuits *(German)* 2−11539
colour, automotive instrument panel displays 2−22322
colour display using diffr. grating 2−25554
colour LCD, multiplexed phase-change type 2−26917
colour LCD applications, technology, charact. 2−22324
comparative market survey of liquid crystal displays: US, Japan and Europe 2−22335
construction and electric field appl. effect *(French)* 2−17054
cross-pattern display using cholesteric-nematic phase transition mode 2−11553
developments in optoelectronics and displays, review 2−22315
dichroic liquid crystal displays, technology, charact. 2−6065
digital electronic displays, construction and operation review 2−17049
disclination-free bistable twist cells 2−17057
drives, single-chip CMOS microcomputer appl., LCD III in HMCS40 series 2−26773
dual-freq. addressing for fast-switching shutters and displays 2−1757
dual-frequency addressing 2−26909
electrically induced index matching in inhomogeneous medium 2−25552
electronic displays conference, London, England (Sep. 1981) 2−18866
electronic measuring instruments with quasi-analogue indicators, design, function and appl. *(German)* 2−11540
exposure display for electronic-shutter reflex cameras *(t)* 2−22332
flat picture tube developments and principles *(Czech)* 2−5516
flat TV screen using liquid crystal matrix, operation and control *(Spanish)* 2−11190
guest host mode display, colorimetric charact. 2−7165
guest-host cells, light stability 2−3232
guest-host display, positive contrast, using material with negative dielec. anisotropy 2−7164
guest-host display with 2−10080
guest-host displays, dielec., electro-optical, and phase change props. 2−7163
guest-host displays, use of azo dyes 2−7166
guest-host mode colour LCDs, charact. 2−22323
homogeneous-homeotropic fluorescent liquid crystal cells 2−6062
liquid crystal displays continued
indicators, contrast and colour difference meas., computer-controlled meas. system *(German)* 2−3054
Japanese development of LCDs, LEDs, fluorescent display tubes, plasma displays 2−22320
laser addressed liquid cryst. display 2−10079
light valve using In_2O_3-Si heterojunction and based on cholesteric-nematic transition 2−10083
low power laser-addressed liquid crystal projection display device 2−25553
multicolour fluorescent display by scatt. states in liq. crysts. 2−6061
multiplexed liquid crystal displays, MIM nonlinear device optimisation 2−25556
multiplexing for liquid crystal displays 2−11541
nematic, 90° twisted, optical props., colorimetry 2−10085
nematic, in birefringence mode, colour contrast criteria 2−3231
nematic liquid crystal display under ambient illum., colour gamut 2−22314
Norwegian LCD production, application in car dashboard display *(Norwegian)* 2−26903
on-line instrumentation displays 2−7155
operation principles and advantages *(German)* 2−11559
optical fibre liquid crystal lens array 2−15351
optoelectronic displays state-of-the-art *(Dutch)* 2−25638
panel using MOSFET/capacitor array with gate bus drivers 2−26921
passive display device development, materials *(Japanese)* 2−11549
phase retarder LCDs 2−10087
pigmented, chromatic contrast for evaluation 2−3233
review of developments in major LCD areas 2−25555
shutter which converts black and white images into full colour 2−3221
SM 804 universal controller, technology charact. 2−26923
smectic phase, electro-optical and thermo-optical appls. 2−11560
smectic-cholesteric mixed liq. cryst., light transmission charact. in optic effects 2−10086
technology advances, time-division drive, temperature range 2−22321
television display using integrated liq. cryst. matrix panel 2−6915
thermotropic liquid crystals, physics and display appl. 2−26901
touch panel keyboard input 2−22316
transmission type, brightness-luminance ratio, psychological expt. 2−10081
TV receiver using liquid crystal 2−2904
twisted nematic display, depolarised, improved multiplex capability by two freq. addressing 2−7168
twisted nematic display devices, classification and props. of liquid crystals *(Japanese)* 2−10089
twisted nematic displays, appls. of liq. crysts. incorporating 1,4-disubstituted bicyclo(2.2.2)octane ring system 2−11555
twisted nematic displays, optical bounce removal 2−26918
twisted nematic displays, threshold voltage, improved temp. coeff. 2−7167
twisted nematic LCD cells effects of optical anisotropy and cell thickness on characts. 2−22333
twisted nematic liq. cryst. display, multiplexability, colorimetric study 2−10082
twisted nematic liquid crystal displays, effects of optical anisotropy and cell thickness *(Japanese)* 2−1758
twisted nematic mode display, colorimetric characts. 2−7165
Si, amorphous, IGFET, appl. to liq. cryst. displays 2−25244
liquid crystals
see also cholesteric liquid crystals; nematic liquid crystals; smectic liquid crystals
classification and properties, rel. to structure *(Japanese)* 2−10089
dashboards for cars using liquid crystal displays 2−4440
electronic technology materials, organic chemistry developments, adhesives, liquid crystals, organic semiconductors *(Spanish)* 2−13803
materials for field-effect electro-optical devices 2−11554
microemulsions and lyotropic liquid crystalline mesophase, dielectric props. 2−9758
one-dimensionally and two-dimensionally ordered liq. crysts. and appls., conference, Garmisch-Partenkirchen, Germany (Jan. 1980) 2−8145
quasihomeotropic orientation, appl. to guest-host display 2−10080
thermotropic liquid crystals, physics and display appl. 2−26901
liquid films
see also adsorbed layers; surface tension
No entries
liquid flow coaxial cables *see coaxial cables*
liquid lasers
see also dye lasers
Nd^{3+} doped inorganic liquid laser systems, rare earth ion effects on laser performance *(Chinese)* 2−10256
Nd^{3+}:$POCl_3$-$P_2O_3Cl_4$-$SnCl_4$ system, laser performance and fluoresc. lifetime *(Chinese)* 2−10256
liquid permeability *see permeability*
liquid phase epitaxial growth
III-III-V-V quaternary layers grown by LPE, thickness calc., appl. to InGaAsP 2−24300
mass transfer processes and influence on epitaxial layer growth rate 2−564
optoelectronic III-V semiconductor crystal growth in laboratory 2−24306
semiconductors, III-V, liq. phase electroepitaxial growth, new approach 2−8811
(Al,Ga)As, use of sapphire liners to eliminate edge growth in LPE 2−4996
Al_xGa_{1-x} Sb, technological problems *(Japanese)* 2−586
AlGaAs constricted double-heterojunction diode lasers, structs. and electrooptical characts. 2−20894
AlGaAs DH wavelength multiplexing injection laser source with graded comp. along active layer 2−1945
AlGaAs/GaAs, cascade solar cells, growth and characterisation 2−4372
AlGaAs-GaAs concentrator solar cells, fabrication by OM-VPE and LPE, performance and durability 2−18571
AlGaAs-GaAs heterostructures, LPE growth for solar energy conversion 2−24281
$Al_xGa_{1-x}As$, comp. change w.r.t. LPE temp. *(Russian)* 2−8815
$Al_xGa_{1-x}As$ epilayers, mm thick, Peltier-induced LPE and compositional control 2−4986
$Al_xGa_{1-x}As$ p-n junction solar cells, grown-in deep-level defects 2−23616
AlGaAsSb/GaAsSb cascade solar cells, growth and characterisation 2−4372
$Al_{0.26}Ga_{0.74}Sb$-GaSb photodector, LPE growth and photo response *(Japanese)* 2−586

liquid phase epitaxial growth continued
$Al_xGa_{1-x}Sb$ heterostructure, reproducible epitaxial layer growth from saturated Ga soln. 2−8806
AlSb, LPE from Sb solns. 2−13821
Au-n-$Ga_{1-x}Al_xP$ surface barrier struct., photoelectric effect 2−15412
CdTe, p-n junctions, LPE grown, injection electroluminescence 2−10123
p-$CuGa_{1-x}In_xS_2$/n-ZnSe heterojunction LPE growth from In soln. 2−8813
(Ga,In)As alloys, on InAs substrates, substrate instability during LPE growth 2−577
GaAlAs system, cooled with volatile component evaporation, liq. and solid phase comp. calc. 2−588
$Ga_{1-x}Al_xAs$, conduction band structure from Hall mobility measurements at high pressures 2−24964
$Ga_xAl_{1-x}As$ epitaxial layers on GaAs, morphology and misfit dislocations 2−4987
$Ga_xAl_{1-x}As$, heterostructure MESFET devices 2−1395
$Ga_xAl_{1-x}As$ LPE growth, GaAs substrate dislocation behaviour 2−565
GaAs crystals, selective corrosion and selective growth *(Chinese)* 2−4984
GaAs, high purity, LPE growth conditions and elec. props. 2−24299
GaAs, mass transfer processes influence 2−564
GaAs monolithic ICs, material props., epitaxial crystal growth, ion implantation, metallization *(German)* 2−20347
GaAs solar cells for space applications 2−18537
p-GaAs/P-$Ga_{1-x}Al_xAs$ isotype heterojunction in DH laser materials 2−25049
GaAs-GaAlAs DH lasers, nonradiative lifetime and leakage losses 2−6214
GaAs-GaAlAs modulation doped multilayer struct., optimum cond. and effective mobility condition-s, LPE grown struct. 2−5622
GaAs-ZnSe heterojunction interface, LPE conditions effect 2−25066
$GaAs_{1-x}Sb_xGaAs$ heterojunction cascade solar cell, LPE growth and photocurrent spectra 2−23433
$Ga_{0.47}In_{0.53}As$, LPE growth, baking temp. effect on purity, photoluminesc. and elec. props. 2−13823
$Ga_{0.47}In_{0.53}As$, low temp. LPE growth 2−8817
GaInAsP-InP injection laser, fabrication and output characteristics 2−1944
$Ga_xIn_{1-x}As_yP_{1-y}$/InP terraced substrate single-mode laser 2−10289
$Ga_xIn_{1-x}As_yP_{1-y}$/InP stripe lasers with chemically etched-mirrors, review 2−25785
$Ga_xIn_{1-x}As_yP_{1-y}$-InP laser, 1.3 μm, index-guiding struct. grown on terraced substrate 2−1964
GaSb epitaxial layer growth, on InAs substrates 2−24282
$Gd_3Ga_5O_{12}$ LPE growth and dissolution, physical chem. of garnet molten solns. 2−24301
HgCdTe-CdTe epitaxial heterostruct., n-channel MIS CCD fabrication 2−5745
$Hg_{1-x}Cd_xTe$, detector grade, LPE growth from Te rich solns. 2−8818
$Hg_{1-x}Cd_xTe$ epitaxial layers, slider LPE growth using Hg press. controlled growth solns. 2−13829
$Hg_{1-x}Cd_xTe$, LPE 2−19418
p-$Hg_{1-x}Cd_xTe$, slider LPE growth on CdTe substrate 2−8819
In-Ga-P-As, LPE growth in vertical furnace 2−24284
$InAs_{1-x-y}P_xSb_y$, LPE growth on InAs substrate 2−19419
InGaAs-InP, avalanche photodiode, low leakage, LPE-grown 2−1811
$In_{0.05}Ga_{0.95}As$-$In_yGa_{1-y}As_{1-x}P_x$-GaAs heteroepitaxial system, dislocation struct., buffer layer effect 2−19409
InGaAsP grown by LPE, layer thickness calc. 2−24300
InGaAsP, high purity grown by liq. phase epitaxy 2−19417
InGaAsP lattice, matched to InP, growth and charact. review 2−8812
InGaAsP, material requirements for near IR photodetectors, LPE and VPE growth techniques 2−9435
InGaAsP/InP 1.3 μ laser material, meltback and pullover as causes of LPE growth disturbances 2−24285
InGaAsP/InP:Cd DH lasers, LPE growth 2−8802
InGaAsP-InP, LED, 1.3 μm with internally defined emission area, prep. by single step LPE process 2−20757
InGaAsP-InP 1.3 μm LPE and VPE grown edge-emitting LEDs 2−6116
InGaAsP-InP planar buried heterostruct. laser diode with low threshold current fabrication byLPE technique 2−20886
p-$In_{0.75}Ga_{0.25}As_{0.55}P_{0.45}$:Cd LPE layer, doping characts. and elec. props. 2−20186
$In_{1-x}Ga_xAs_{1-y}P_y$/InP LPE heterostruct., misfit dislocation-free, growth conditions 2−566
$In_xGa_{1-x}As_yP_{1-y}$, stabilisation by InP substrate inside unstable region in LPE 2−24310
$In_{1-x}Ga_xAs_{1-y}Sb_y$ LPE growth with enriched composition on InAs substrate 2−13825
InP high efficiency MM wave transferred electron oscillators fabricated by LPE 2−24696
InP, high purity grown by liq. phase epitaxy 2−19417
InP, LPE film growth for MESFET appl. 2−4989
InP, LPE-grown, effect of substrate orientation on electrical properties 2−14636
InP-InGaAsP, DH laser wafer, LPE growth and struct. 2−25791
InP-InGaAsP heterostructure, electrolum. polarization due to internal strain 2−25605
$LiNbO_3$ single cryst. films, LPE growth for SAW devices 2−578
PbSnSeTe-PbSeTe DH laser, lattice matched, low threshold 2−20897
$Pb_{1-x}Sn_xTe$:Cd crystals and LPE layers, doping and elec. props. 2−25144
PbTe, LPE growth on PbSnTe substrate through stripe openings on CaF_2 coating 2−574
PbTeSe, LPE growth lattice-matched to PbSnTe, phys. and elec. props. 2−585
Si film, 2D grating graphoepitaxy from Si-Au supersaturated soln. 2−19420
Si, laser annealing, rel. to LPE *(Japanese)* 2−1166
Si, lateral epitaxy by seeded solidification on SiO_2 2−562
Si single cryst. film, lateral epitaxy by seeded solidification, using stationary grapite heater 2−561
Si-on-oxide (100) MOSFET fabrication by scanning CW-laser-induced lateral seeding technique 2−25236
(Y, Gd, Sm, Tm)$_3$(Fe, Ga)$_5O_{12}$, garnet films, grown from PbO-B_2O_3 flux, growth conditions influence on props. 2−13818
$(YSmGdR)_3(GaFe)_5O_{12}$ (R=Tm, Yb, Lu), single layer LPE films for 1 μm diameter bubble ion implanted contiguous disc devices 2−1564

liquid semiconductors
conference, Grenoble, France, (July 1981) 2−23865
As-Ge-Se, glasses and melts, thermal and elec. cond. 2−5583

liquid semiconductors continued
As-Se, liquid, elec. and thermoelec. props. 2−9467
As-Se, liquid, elec. cond., thermoelec. power and semicond.-metal transition 2−14669
$CuTlSe_2$, liquid, elec. cond. and thermoelec. power 2−9464
GaAlAs system, cooled with volatile component evaporation, liq. and solid phase comp. calc. 2−588
Ge-Se-As(Sb)(Bi) melt, influence of bond metallisation on elec. cond. 2−5576
Se, liquid, photoconductivity 2−20063
$(Se_{0.5}Te_{0.5})_{1-x}M_x$ (M=Cu,Tl,Ag,Na) liquid semiconductor, elec. cond., thermopower and mag. susceptibility 2−20114
V_2O_5, liquid, elec. cond. relax. 2−20090
V_2O_5-P_2O_5 glass melt, electrocrystn. of VO_x cpds. used in threshold switches 2−8851

liquid surface waves *see surface waves (fluid)*

literature reviews *see reviews*

lithospace *see Earth crust*

lithosphere *see Earth crust*

liver
cell image processing, variable-threshold digitiser for photodiode arrays 2−16918

livestock *see farming*

living systems
see also biocybernetics; brain models; physiological models
No entries

load (electric)
see also load dispatching; load distribution; load flow; load regulation; load shedding; power station load
3-phase electric installations with four conductors, influence of non-symmetrical loads on energy losses *(Rumanian)* 2−22776
application of compensating devices in power supply systems having large nonlinear loads *(Russian)* 2−3669
boilers, once through subcritical pressure units with auxiliary load, reliability improvement 2−3911
calculation of currents and voltages for multiphase synchronous generators with bridge rectifier load 2−18188
DC circuits with inductive load, magnetically controlled contacts, performance investigation *(Russian)* 2−28059
demand forecast uncertainty, anal. 2−7516
electric welding installations impulse load curves correlational and spectral characts. *(Russian)* 2−28282
electrical power systems load modelling techniques, implications in stability analysis 2−17654
electricity consumption forecasts, methodology and appl. 2−12193
impact loading of isolated generators 2−17968
load measurement using microprocessor based measuring system and field adjusters *(Hungarian)* 2−22338
molten salt electrolyte cell for propulsion and load levelling *(German)* 2−18450
optimal nominal power determ. using dynamical model for 10/0.4 kV or 20/0.4 kV substations *(Croatian)* 2−27472
power MOS transistors application and protection in inductive load switching 2−25252
power system, space conditioning load, probabilistic model 2−7495
power system dynamic response with limited variations in voltage and frequency, modeling procedure 2−12176
power system transient response load charact., busload composition data analysis 2−12178
power system transient response load charact., test results 2−12179
power transformers, single-phase, state model and transient anal. 2−27978
real time digital data acquisition system for power system load charact. determ., operating instructions, software operation, installation, troubleshooting, and maintenance 2−17645
rolling mill electrical drive load evaluation by computer *(Russian)* 2−18789
single-phase load supplied by three-phase source with balanced line currents 2−18350
sunscreens performance for reducing air-conditioning loads in residential buildings in San Diego County 2−23780
synchronous machines, dynamic meas., relative displacement of nearly synchronous phenomena determ. *(German)* 2−3268
systems supplying large nonlinear loads, reactive power compensation, soln. 2−3678
weather-sensitive peak power demand forecasting 2−17678

load control *see load regulation*

load dispatching
advanced dispatcher training simulator, digital computer-based 2−22828
Austrian electricity industry survey for 1980 *(German)* 2−22849
automatic power system short-term load forecasting method 2−12203
Buenos Aires Province power system centralised control *(Spanish)* 2−22790
centralized generation control of real power for thermal units by a parametric linear programming procedure 2−3712
computational techniques for an electrical distribution and information control system 2−27480
control desk for dispatching-centre control systems using a computer *(Czech)* 2−27363
daily load dispatch meas. and records, computer programme for data anal. *(Russian)* 2−12134
dispatch computer uprated at low cost 2−27345
economic control of power systems using microcomputers 2−3714
electric load forecasts derived from USA regional load models 2−27438
electrical network dynamic states display on colour video-terminal *(Croatian)* 2−17704
electricity supply network automation and control 2−7474
equivalent circuits of power system networks and operating conditions *(Russian)* 2−22805
ESCOM system control and load dispatch system, assembly phase experience 2−3941
ESCOM system control and load dispatch system SCALD 2−3719
forecasting probability density function of power system loads, method 2−22822
fossil-fuelled power station load dispatching method that reduces air pollution by SO_2 *(Japanese)* 2−17980
generation and system control via modern control theory 2−22852
HVAC and compound HV-AC-DC systems, dispatched control for normal conditions 2−17641

load dispatching continued
interconnected power network, optimal load dispatch strategy determ. 2−17649
multicriterial method for dispatching electric load limitatations *(Russian)* 2−12175
network evaluation of distributed generation sites 2−17681
operational power reserve determ., and appl. experience 2−22815
operator load flow programs for energy management system, specification 2−3709
optimal power flow, review 2−27330
optimal short-term operation of power systems, inaccurate input data influence 2−3711
power dispatch centre, computerised control 2−27414
power distribution networks, short term load forecasting methods *(Hungarian)* 2−22859
power installation development and dispatch control status and prospects 2−27336
power system, short term load forecasting, adaptive model 2−3724
power system connections and dispatching problems, soln. 2−27385
power system dynamic optimisation, hierarchical approach 2−17663
power system load-curve forecasting for USA regions, QUERI model appls. 2−27419
power system peak shaving and regulation by batteries, hybrid simulation 2−17656
power system simulator for training of dispatchers, functional requirements 2−3721
program package for identification and operative analysis of power flows in intersystem sections of power interconnections 2−3676
pumped-storage power station, reversible, at Bajina Basta in Serbia, operational modes *(Croatian)* 2−27818
reactive power dispatching, minimum MVAR generation criterion 2−3710
real time power transmission calc. via topological modifications *(French)* 2−7515
secure and economic automatic generation control principle 2−7511
simulator for load dispatcher, discrete dynamic model 2−12172
situational multiplexing of dispatcher channels in power systems and tie lines *(Russian)* 2−27381
software package for automatic generation control with economic dispatch and load forecasting functions 2−3713
spinning reserve constrained static and dynamic economic dispatch 2−27389

load distribution
Buenos Aires Province power system centralised control *(Spanish)* 2−22790
city centre high-load-density distribution systems evaluation 2−17713
computational techniques for an electrical distribution and information control system 2−27480
design of filter compensation installations for high power distorting loads *(French)* 2−22947
investigation of the transient phenomena in a power sytem during fast changes of power output *(Czech)* 2−7485
power distribution system cost model and its application to optimal conductor sizing 2−27477
power distribution systems, short-circuit current calc. *(German)* 2−27456
residential end use load affected by voltage reduction, analysis 2−12146
Schwaben AG distribution network mains automation system for load distribution *(German)* 2−27470

load flow
10-bus 13-line power system load flow optimisation algorithm, mathematical programming application 2−22781
AC power flow control with a multiterminal DC system 2−12226
AC/DC load flow method for multiterminal DC systems 2−12213
compound HVAC/DC network load flow calc. 2−22882
computer curtailed graphic planning of distribution system, MALAZEI program *(German)* 2−27436
conditions for stability/ of a transmission system/ subject to random variations in power flow/ *(Russian)* 2−3729
dynamic interaction of electrical power plants, loads and transmission network 2−7506
efficient constrained power flow technique based on active-reactive decoupling and the use of linear programming 2−22881
eigenvalue analysis of synchronizing power flow oscillations in large electric power systems 2−22884
ESCOM system control and load dispatch system, assembly phase experience 2−3941
fast and robust variable metric method for optimum power flows 2−27450
fast approximate power-flow solution for contingency evaluation 2−3735
fast computation algorithm for 2nd-order AC load flow with application to ill-conditioned systems 2−3734
fast optimal load-flow under emergency operating conditions 2−22871
fast power-flow solution by the method of reduction and restoration 2−12216
feasibility sets for steady-state loads in electric power networks 2−22880
generation and system control via modern control theory 2−22852
high-speed power flows using attached scientific (array) processors 2−22885
HVAC transmission planning and related problems 2−12229
industrial AC/DC power systems anal. 2−3743
internetwork power flow calc. and identification programmes *(Russian)* 2−12208
microcomputer based power transformer voltage control scheme 2−4271
new method for computerized solution of power flow equations 2−22878
on-line load forecasting for energy control centre appl. 2−22862
operator load flow programs for energy management system, specification 2−3709
optimal power flow, review 2−27330
optimal power flow based upon P-Q decomposition 2−27391
PAN, program system for network planning *(German)* 2−27434
piecewise boundary iteration technique applied to load flow/ 2−3736
power flow outage studies using an array processor 2−22886
power supply network calculations *(German)* 2−27454
power system, complex optimisation of load flow, simplex method *(Russian)* 2−22889
power system, reactive power considerations in automatic contingency selection 2−22834
power system hybrid simulator for dynamic anal., experience 2−7468
power system monitoring activities, topology, observability and state estimation 2−3717

load flow continued
power system observability, telemeasurement network reliability, evaluation *(Japanese)* 2−17784
power system reliability, discrete convolution 2−22819
probabilistic load flow using multilinearisations/ 2−3732
probabilistic power flow anal. *(German)* 2−3665
program package for identification and operative analysis of power flows in intersystem sections of power interconnections 2−3676
quasi-Newton method for optimal load-flow solution under emergency mode of operation 2−7494
secure and economic automatic generation control principle 2−7511
security assessment, appl. of external equivalents in machine outages case 2−7507
security assessment, fast decoupled load flow 2−22787
software package for automatic generation control with economic dispatch and load forecasting functions 2−3713
solution of optimal load flow problem/ by modified recursive quadratic programming method/ 2−3733
transmission network expansion plan reliability analysis, simplifying software system 2−17676

load regulation
automatic underfrequency load shedding in ESCOM 2−3707
CAES technology 2−12188
centralized generation control of real power for thermal units by a parametric linear programming procedure 2−3712
control behaviour of electrical power stations and loads operating in interconnection 2−17661
credit and load management system for an electricity utility 2−7487
cycling of residential air conditioners, economic analysis and load management 2−17640
design of decentralised load-frequency regulators for interconnected power systems 2−22845
direct coupled CAES evaluation 2−12187
disturbances generated by three phase pulse burst modulated loads and the remedial methods 2−12752
domestic load limiting device remotely operated by electric utility 2−7942
economic control of power systems using microcomputers 2−3714
electric load shifting by differential electrical tariffs *(Italian)* 2−7482
electric power demand control by tariff adjustment 2−7479
electric thermal storage program, impact on transmission systems 2−18774
electric-thermal storage program, performance with home 2−18775
generation control by shifting eigenvalues of a closed loop system 2−27382
Gorzow power station automatic control of frequency and active power using electrohydraulic controls *(Polish)* 2−22814
harmonic distribution calcs. in supply networks *(German)* 2−27435
hybrid advanced compressed air energy storage plant 2−12186
induction motors power controller for energy savings 2−18222
interactive load control, autogenerators and independent electricity suppliers 2−7477
interactive load control, institutional and organisational aspects of spot pricing 2−27343
interactive load control, transmission and distribution networks 2−22801
LV network 2-way signalling system using system frequency modulation *(Norwegian)* 2−27378
management with customer cooperation, experience 2−27349
microprocessor load control systems 2−27583
optimum load scheduling of nuclear-hydro-thermal power systems 2−22863
parallel power supplies, techniques and problems 2−18336
peak shifting potential of thermal energy storage systems for residential applications 2−12184
phase angle control for mains-powered inductive loads, opto-coupled cct. design 2−7958
power generation, planning available capacity 2−22858
power supply measurement techniques using common test equipment 2−7585
power supply reliability maintenance methods and equipment 2−27377
power system, averaging interval estimation of rated loads *(Russian)* 2−17631
power system, load frequency control via constant limited-state feedback 2−3680
power system peak shaving and regulation by batteries, hybrid simulation 2−17656
power system superconductive magnetic energy storage system charact. 2−12573
power system with reheat steam turbines and governor deadband nonlinearity, load-frequency control parameter optimisation 2−22844
reactive power compensation by a linear programming technique 2−17626
rechargeable alkaline zinc/ferricyanide hybrid redox battery for utility load levelling and solar photovoltaic/wind appls. 2−12823
residential air conditioning and space heating control test programme 2−17657
residential load controllers, microprocessor-based, cost effectiveness 2−27344
software package for automatic generation control with economic dispatch and load forecasting functions 2−3713
spot pricing implementation, with interactive load control 2−22799
synchronous generators, unsymmetrical loads limit determ. *(Rumanian)* 2−27887
thyristor controlled AC loads, interfacing digital circuits 2−9131
thyristor power regulators for three-phase active loads with limited range of regulation *(Russian)* 2−28074
USA military installation energy management using computerised load control 2−8091
Voyager spacecraft electrical power system, flight performance 2−17523
zeolite heat pump and zeolite heat transformer for load management 2−12955
Li-FeS battery system for electric utility storage and load levelling 2−18452
Na-S battery for utility load levelling 2−18451
Na-S small batteries for load levelling, performance anal. 2−12826
O_2 manufacturing plants, suitability for load following combined cycle power plants 2−27754

load shedding
automatic underfrequency load shedding in ESCOM 2−3707
large hydrothermal power systems, economic operation 2−17662
maximum demand control in factories, economic advantages and equipment 2−22802

load shedding continued
new FFT-based digital frequency relay for load shedding 2−27574
power system emergency control techniques, development trends review 2−27395
power systems decoupling and load shedding system, optimum dimensioning 2−7473
security assessment, appl. of external equivalents in machine outages case 2−7507
supply interruptions, unplanned, damage suffered by industrial consumers, computation method *(Croatian)* 2−27372
underfrequency load shedding for system stability restoration 2−3708

lobes (distribution) *see antenna radiation patterns*

localised electron states
see also Anderson model; charge transfer states; Wigner crystal
amorphous and liquid semiconds., conf., Grenoble, France, (July 1981) 2−23865
disordered two-dimens. weakly localised, mutual interactions, intervalley impurity scatt. effect 2−14713
films, CVD, amorphous and polycryst., cond. mechanism 2−24933
one-dimensional disordered system, excited states lifetime 2−9453
semiconductors, compensated, localised charge carriers, particle statistics and transport 2−9390
As_2Se_3, amorphous, density of state in gap, dispersive photocurrent meas. 2−25572
CdS, local states US ionization, sonolum. and acoustoelastic current 2−20732
$Se_{93.5}As_{6.5}$, amorphous film, carrier mobility, thermal annealing and light irrad. effects 2−9446
$Se_{94.3}Ge_{5.7}$, amorphous film, carrier mobility, thermal annealing and light irrad. effects 2−9446
Si, inversion layers, magnetoconductance and weak localisation 2−14725
Si MOS, two-dimens. system, weakly localised, mutual interactions, intervalley impurity scatt. effect 2−14713
a-Si Schottky barrier solar cells, localised states and photocond. 2−4344
a-Si:H, a-Si:F:H, Schottky-barrier diodes, elec. props. using new techniques 2−25067
Si:H, amorphous, midgap density of states, space charge limited cond. study 2−24996
Si:H amorphous Schottky barrier diode characts., mathematical model 2−25189
Si:H amorphous Schottky diode, electron transport and deep localized state kinetics 2−25188
ZnS:Cu, Cl crystal phosphor, localised surface state spectroscopy 2−10132

localised states, electron *see localised electron states*

locomotive diesel electric engines *see diesel-electric locomotives*

locomotives
see also diesel-electric locomotives; electric locomotives; motorcoaches; railways
ML-500 maglev test vehicle 2−4410
railway vehicle suspensions entering electronic age 2−13028

loggers *see data loggers; recorders*

logging (recording) *see recording*

logic, formal *see formal logic*

logic arrays *see cellular arrays*

logic CAD
A/D system, microprocessor appl. *(French)* 2−14264
algorithm simplification techniques 2−9052
asynchronous sequential circuit, graph partition theory 2−5186
automated cct. design 2−5061
automatic reconstruction of logic circuit diagrams for test-generation purposes 2−805
CELTIC LSI logic design aids system, polycell base, automatic mask tape generation, facilities 2−5207
CMOS/SOS automated universal array for custom LSI devices 2−14056
content-addressable memory requirements for multivalued logic 2−15850
custom LSI design using cell layout of IC with standard cells 2−1442
development, conf. at Norman, OK, USA, 1981 2−14079
DIANA program, BCE technique for logic simulation 2−24361
DIGSIM II, advanced graphics interface for VLSI MOS models 2−1461
electronic design automation, conf., London, England (Sept. 1981) 2−18
FET VLSI, automatic test pattern generation 2−1462
functional level simulation in FANSIM3 2−1436
gate array chips, automatic layout system 2−799
heuristic algorithms for rectilinear Steiner trees 2−19935
Josephson transmission line, pulse response props. and appl. to logic circuits 2−14074
LDS I, development system for designing with logic arrays 2−14895
LSI, graphical interactive logic diagram capture and editing system for register level 2−802
LSI consisting of threshold elements, adaptive electrical calcs. method 2−19636
LSI logic circuits, custom manufacture using LSI 2−14929
Macrocell logic arrays, custom design using CAD tools 2−5800
mask artwork analysis system for bipolar integrated circuits 2−9065
MOS ICs, logic simulation based on information from masks 2−25362
MOS integrated circuits, logic simulation 2−25366
MOS VLSI, integrated design automaton system DAMOS 2−1463
MOTIS system, mixed-mode simulation for MOS LSI design 2−19634
multilevel optimization of complex technological systems *(Russian)* 2−19622
multivariable combinational logic cct. design, sequential approach, computer-aided methods 2−9087
ROM size reduction, many-valued logics appl. 2−14128
simulator development, using small (PDP-11) computer 2−9091
SPC switch design by sequential logic analysis 2−2633
static FET chip CAD, DC design and AC anal., complex logic functions 2−5161
STL-83 uncommitted logic arrays, CAD 2−800
structural synthesis 2−9089
testability assessment: its use in testable circuit design 2−791
uncommitted logic arrays design, CAD verification system 2−798
VLSI, automatic synthesis of digital systems, review 2−5066
VLSI, LSI, design using gate arrays, state of art, problems and solutions 2−19644
VLSI, MDS−a design automation system based on macros 2−1440
VLSI circuit layout and design 2−9067
VLSI design 2−5769

logic CAD continued
VLSI design with the MIMOLA design system 2−1441
worst case analysis using microcomputer KRS 4200/4201 *(German)* 2−9085

logic circuit elements *see logic devices*

logic circuits
see also asynchronous sequential logic; carry logic; combinatorial circuits; diode-transistor logic; emitter-coupled logic; flip-flops; formal logic; integrated logic circuits; logic devices; magnetic logic; majority logic; many-valued logics; NAND circuits; NOR circuits; probabilistic logic; sequential circuits; threshold logic; transistor-transistor logic
binary summation cct., using three-input exclusive-OR gate 2−24496
cascode current switch parity circuit 2−19629
CELLO detector, charged particle trigger 2−11857
clock-count error elimination from shaft encoders 2−14050
CMOS high density integrated shift registers *(Italian)* 2−14051
control circuit of a class-A three-phase SCR inverter 2−5094
data signal transition detector circuit 2−10686
DC Josephson flip-flop circuit 2−15250
diagnosis data compression for digital circuits *(German)* 2−5180
dilepton triggers, fast ECL-CAMAC processor 2−11862
fast modular processor for track reconstruction from wire chamber arrays 2−17295
first signal indicator, using 7400 IC NAND gates, SPDT switches 2−797
four-valued logic functions set, cct. construction 2−14076
global simplification of controls for input gating in latches [logic circuits] 2−9078
ground-down receiver, ECL levels to Schottky current switch level 2−24485
high energy physics experiment, FAMP multiprocessor system appl., triggering 2−17292
high speed, EMC problems 2−24477
high-energy experiment, trigger monitor readout 2−17308
high-energy experiments, fast microprocessor appls. 2−11865
I/O adapter for data transfer by cycle stealing 2−24489
injection current switch logic 2−24491
intensity control circuit for segmented display elements 2−14069
Josephson circuits, AC regulation 2−15252
Josephson circuits, dwell-time technique for AC power supply 2−9077
Josephson circuits, reduction of trapped magnetic flux in a superconducting groundplane 2−15251
Josephson circuits star driver 2−9923
Josephson devices for computer applications *(Japanese)* 2−20566
Josephson digital circuits, review of future cryogenic technology 2−25457
Josephson ground plane edge junction regulator 2−9925
Josephson interferometer, current injection, with mag. input signal coupling 2−9924
Josephson junction computer *(Japanese)* 2−9941
Josephson junction model, phase-plane anal. 2−20558
Josephson latching logic circuits, timing circuit 2−15249
Josephson logic ccts., regulated power supply with adjustable dwell 2−9079
Josephson logic circuits, long-line receiver 2−5195
Josephson logic circuits, provision of third harmonic waveform 2−9076
Josephson logic technology, RUN-SCAN synch. cct. 2−787
Josephson long-line receiver 2−5196
Josephson non-latching logic circuits, resonance amplitude control 2−5198
Josephson self-gating AND cct. 2−9075
Josephson self-gating AND circuit 2−5199
Josephson star driver, fast, compact 2−5197
Josephson technology package, assembly and retention of comp. parts 2−15248
Josephson transmission line, pulse response props. and appl. to logic circuits 2−14074
laboratory manual, book 2−25257
latch check circuit 2−19630
logic analyser, circuit description and operation 2−22201
master latch, three-clock 2−5201
metastability resolution latch 2−5192
multi-frequency tone generator for microprocessors *(German)* 2−24424
multiplex circuit 2−24486
multiplexed polarity hold latch circuit 2−14070
multiplicity logic unit, for gamma-ray detection 2−11852
multipurpose hadron spectrometer, trigger processor 2−11859
muon trigger for UA1 expt., fast online track finding, microprocessor appl. 2−11860
musical note generator, using logic cct., decoder ICs 2−6955
MZK 105 logic cct. appl. *(Czech)* 2−5319
nucleon decay detector, data acquisition and triggering system, pattern recognition 2−17307
online trigger processors in DORIS and PETRA expts. 2−17304
order-of-occurrence indicator, four channels 2−17035
particle detector 'crystal box', intelligent trigger processor 2−11864
PLA simulator 2−5194
print hammer settle control circuit 2−19632
program counters for Josephson circuits 2−9130
programmable logic array having OR-array bit partitioning 2−24488
pulse detector, NAND gate quad IC 2−14192
pulse length alteration ccts. *(German)* 2−9086
recoil missing mass trigger, ECL-CAMAC processor system 2−11861
reliability modelling of logic protective networks which include dynamic redundant systems 2−140
RF pulses temporal parameters, meas. 2−17120
ring oscillator using planar enhancement-mode two-dimensional electron gas FET logic 2−24478
separators, operation blocking against faulty manoeuvres *(Rumanian)* 2−24761
signal transition detection using clocked level sensitive scan design latches 2−5173
split phase data synchronizer using flip-flops 2−5205
superconducting circuit interconnections, lumped inductance effect on ultrafast switching signal propag. characts. 2−19623
three Josephson junction direction coupled isolation device 2−24482
trigger processor, XOP, for high-energy physics appls. 2−17305
UA_2 detector, triggering, data acquisition 2−11858
vacuum deposition shutter position indicator system 2−11527
Nb weak-link Josephson single-flux-quantum logic circuits 2−9910

logic design
see also computer architecture; logic CAD
automatic test pattern generation, functional level digital fault simulation 2−1437
binary logarithms and antilogarithms, generation by cellular logic structures *(French)* 2−24475
C-CD many-value logics design 2−14086
chip design separation from fabrication 2−18963
CMOS and bipolar logic, review of new versions 2−9063
connectivity and wirability in logic IC packages 2−24483
digital code network and parameter calculation *(Chinese)* 2−14041
future LSI design trends 2−14903
gate array logic 2−14053
Haar transforms appl. 2−14081
hardware redundancy and reliability *(German)* 2−13322
many-valued logic circuits, spectral methods 2−14080
many-valued logics appl. 2−14083
many-valued logics appl. 2−14084
microcomputer system design, digital analysis system 2−16896
microprocessor testability techniques and recommendations 2−19728
MOS LSI circuit totally self-checking functions 2−1464
multiple test points development using single input gate 2−5159
multiple valued logic circuit design using I^2L 2−5191
nearest neighbour array tree embedding 2−4883
parallel multiplier, VLSI implementation design 2−19642
pin limitations and VLSI interconnection networks 2−5274
programmable logic array-logic designs conversion to random logic implementation 2−14197
ROM, many-valued logics appl. 2−14129
semiconductor logic chips wirability increase 2−14068
three port extended logical elements 2−19640
three-variable logic functions, new classification 2−24495
TTL high-speed logic circuits interconnections, design recommendations 2−24501
TTL type components, macromodel formation *(Russian)* 2−9605
uncommitted logic array cells, integrated design and validation system 2−5212
VLSI array design, wavefront notation tool 2−20363
VLSI technology and computer design problems 2−14171
VLSI testable design 2−14078

logic devices
see also logic gates; threshold elements
discrete elements, series-connected circuit, probability of malfunction *(Russian)* 2−9083
high-speed, for superpower computer, current trends *(Japanese)* 2−9088
IC logic elements, physical limitations, systematic anal. 2−5211
Josephson exclusive OR logic elements, adder design 2−19752
liquid crystal bistable electro-optic modulator *(Chinese)* 2−1755
optical angular discriminator, appls. for logical operators 2−10715
three Josephson junction direction coupled isolation device 2−24482
three port extended logical elements 2−19640
transferred-electron logic devices, domain form., fluctuations meas. by optical pulses 2−25179
tunnel insulator-semiconductor interface appl. 2−25097
variable grating mode liquid crystal device for optical processing and computing 2−10084

logic gates
CMOS ternary gates, self-checking systems 2−14888
current-injection logic device, high tolerance, 3-Josephson junction 2−19627
digital design techniques, touch switches, timers, oscillators 2−5268
direct coupled OR gate for Josephson circuitry, good noise immunity 2−786
exclusive-OR performance enhancement 2−19631
image processing, facsimile terminal using logic gates 2−21484
Josephson circuits, AC regulation 2−15252
Josephson devices for computer appls. *(Japanese)* 2−20567
Josephson logic gate, current injection, with high gain 2−5936
Josephson switch, compact three terminal 2−9928
Josephson three-junction interferometer as nonlinear logic gate 2−5160
magnetic bubble XOR logic gate, computer simulation 2−15225
NAND gates, transient electron radiation upset, temp. depend. 2−19624
NOR, ECL, with dual current source 2−5200
pulse shaping circuits using TTL and NAND gates *(German)* 2−9059
Russian Lisna and EST 62 telemechanical systems, logic modules *(Russian)* 2−24479
self-gating AND as long-line receiver, Josephson current injection logic 2−9074
shaft encoder resolution, simplified multiplier cct., using multiplexer, shift register, logic gates *(Italian)* 2−9188
ULG3, universal logic gate based on Reed-Muller canonic expansion 2−24484
uncommitted gate arrays, for custom made ICs *(German)* 2−5188
uncommitted logic arrays, fabrication methods and applications 2−9073
very small capacitance measurement, using multivibrators, controlled AND gate *(Italian)* 2−11581
GaAs MESFET logic gates, effect of cell configuration, gate length and fan-out on propag. delays 2−24481
Si, amorphous, FET, application in integrated circuits 2−5805

logic testing
A/D converter testing using logic analyzer *(German)* 2−22217
active probe for MOS, TTL logic cct. testing *(German)* 2−5209
analyser function, operation and applications *(German)* 2−16897
automated cct. design 2−5061
automatic logic circuit testing methods development *(Italian)* 2−5170
automatic reconstruction of logic circuit diagrams for test-generation purposes 2−805
automatic test pattern generation, functional level digital fault simulation 2−1437
automatic test pattern generation 2−25327
autonomous testing of CMOS circuits 2−9050
BELLMAC-32: a testable 32-bit microprocessor 2−19725
binary decision diagrams appl., test generation and analysis 2−24500
Biomations K101-D logic analyser for computer testing 2−3043
C-CD, many-valued logics appl. 2−14887
CAMAC, logic state analyser 2−17309
CMOS ternary gates, self-checking systems 2−14888
Columbia 2000, LSI ATE, description and application 2−16785
combinational circuits, bridging fault tests 2−19639
combinational circuits, syndrome-test time reduction 2−9062

logic testing continued
combinational circuits built-in testing hardware test pattern generation 2−19604
combinatorial ccts., tests generating method by structure description functions 2−9090
D/A convertor settling time testing in production environment using ATE 2−22108
DAS 9100 digital analysis system from Tektronix 2−3039
defective chips and multi-chip modules fault diagnosis in an LSSD environment 2−19611
development, conf. at Norman, OK, USA, 1981 2−14079
development system for Intel 2920, digital filter implementation example 2−24560
devices without gate-level descriptions, test generation technique 2−1439
diagnosis data compression for digital circuits *(German)* 2−5180
digital cct. error diagnosis, computer programs *(German)* 2−5420
digital circuit testing using logic generator *(German)* 2−7057
digital network testability measure calculus at the functional level 2−19650
ECL, board testing methods 2−19617
efficiency estimation for combinatorial circuits 2−24472
embedded arrays self-assist testing 2−19727
embedded memory testing, algorithmic and other signal multiplexing 2−16781
failure indicator for multiple logic signals 2−5157
fast logic families, HP model 8161A pulse generator 2−16994
free running signature analysis 2−14134
functional level test calc. concept 2−803
Gould K 101-D logic analyser, charact. *(German)* 2−22204
Haar transforms appl. 2−14081
hardware structure for testing ICs and PC cards using K1510 microcomputer *(German)* 2−11356
high and low speed acquisition, appls. in logic analysers 2−16877
I/O signal levels meas., in multi-technology large-scale integrated machine 2−7008
IBM's VLSI logic test system, test requirements, objectives and system specification and architecture 2−22111
IC tester for logical plates *(Rumanian)* 2−73
improved I^2L for multivalued logic 2−14085
in-circuit automatic test systems for PCB 2−11344
integrated circuit defect localisation by logic-state representation in SEM 2−24474
interactive test pattern generation 2−804
intermittent faults detection 2−1444
Josephson interferometer circuits, testing 2−5203
KFT 8080 microprocessor, testing with ICOMAT-110 *(Hungarian)* 2−26735
logic analyser, aid to digital fault finding 2−7058
logic analyser, circuit description and operation 2−22201
LSI circuit board testing using computer-guided probing system 2−22107
LSI logic testing technique based on small testable building blocks 2−9081
LSI PC testing, LASAR software enhancement 2−22056
LSI PLA, automatic test generation 2−1438
LSI/VLSI components testing program development, evaluation/production test appl. 2−20378
many-valued logic circuits, spectral methods 2−14080
many-valued logics appl. 2−14083
maximised level sensitive scan design testing of IC chips 2−14067
memories and LSI test quality and efficiency optimising system 2−19689
memory ICs, error correction code for single random 1-bit errors or multi-byte errors 2−5235
methodology for measurement of fault latency in a digital avionic miniprocessor 2−22675
methods *(German)* 2−14523
microcomputer memory fault location 2−24498
microcomputer system design, digital analysis system 2−16896
microprocessor based equipment, test strategy 2−8258
microprocessor boards testing techniques review 2−5259
microprocessor chip signal transition indicator *(Italian)* 2−9127
microprocessor on-line testing method 2−5261
microprocessor systems, field service, tools, future requirements 2−23963
microprocessor testability techniques and recommendations 2−19728
microprocessor testing philosophy using partitioning 2−9113
microprocessor-based circuit boards high speed functional testing 2−22106
microprocessor-based instrumentation, self-diagnostic testing method 2−22193
microsystems, conf., London, England (March 1981) 2−23895
MIS LSI circuit, method *(Russian)* 2−9738
MOS LSI circuit totally self-checking functions 2−1464
multi-valued combinatorial circuits stuck-type fault detection 2−14087
multiple fault testing in combinatorial ccts., Boolean difference appl. 2−14047
multiple test points development using single input gate 2−5159
multivalued and multi-level combinatorial circuits, map partition method 2−14088
multivalued combinatorial circuits dual radix logic 2−14089
MW44A/MW45A multi-functional logic analyser, charact. 2−16901
parametric board testing at speed, requirements and test equipment 2−22105
PCB feedback analysis−an aid to digital test pattern generation 2−792
PCB level, PLT, a test language for new products 2−793
probabilistic syndrome decoding in self-diagnosable digital systems 2−19615
programmable logic arrays, completely self checking checkers 2−19651
programmable logic arrays, fault detect. and diagnosis, test methods 2−9080
properties of three-valued system diagnosis 2−14082
repairable RAMs and mostly-good memories, testing 2−19690
sampling techniques for determining fault coverage in LSI circuits 2−9082
SEC-MUED code 2−2283
semiconductor memory testing diagnostics and anal. 2−19691
sequential circuit intermittent fault detection and location, test design 2−19626
signature anal. techniques 2−19613
simulator development, using small (PDP-11) computer 2−9091
Sperry's USER tester for on-site testing 2−22146
stand-alone TTL performance test circuit 2−9071

logic testing continued
Tektronix DAS 9100 digital analysis system, using logic analysis, pattern generation 2−26804
Tektronix DAS 9100 digital logical analyser, characts. *(German)* 2−22202
test pattern generation program with functional capability 2−128
test pattern generation system for sequential logic circuits 2−1443
test pattern generation technique 2−24499
testability computer-aided analysis, figure of merit criterium demonstration 2−19652
TTL 74 series, logic testing imported ICs *(Czech)* 2−14975
TTL test probe, characts. *(German)* 2−19620
universal logic probe from Timothy Edwards, tri-state indication 2−19606
universal microprocessor development systems, design considerations 2−24561
VLSI, tester and test technology *(Japanese)* 2−20336
VLSI design methodology for synchronous logic race and hazard elimination 2−19649
VLSI dynamic RAMs electron-beam testing 2−19692
VLSI microprocessor self-checking features 2−813
VLSI multichip modules, development 2−5213
VLSI products, test generation, level sensitive scan design architecture 2−19608
VLSI self-testing by polynomial division [VLSI testing] 2−20380
VLSI testable design 2−14078
VLSI testing, conf. Philadelphia, PA, USA, October 27-29 (1981) 2−18875
VLSI testing, logic analysers 2−7000
VP-3660A logic analyser, using data storage; characts. 2−7062
worst case analysis using microcomputer KRS 4200/4201 *(German)* 2−9085

logistics data processing
see also computerised materials handling
logistic support analysis education 2−18912

long tailed pair *see differential amplifiers*

loop antennas
AC magnetic field removal *(Czech)* 2−15780
broadband equivalent circuits, positive-real function props. of cct. admittances 2−2184
cable fault location, tri-lead test using loop radiator 2−5393
elliptic loop antennas, optimum directivity 2−15776
rectangular, cross-spectral densities of array elements 2−10548

Lorenz number
$AgSbTe_2$, thermoelec. hole spectrum model of transport props. 2−14667
As-Se, liquid, elec. and thermoelec. props. 2−9467
As-Se, liquid, elec. cond., thermoelec. power and semicond.-metal transition 2−14669
GeTe, thermoelec. hole spectrum model of transport props. 2−14667
MnTe, thermoelec. hole spectrum model of transport props. 2−14667

Loschmidt number *see constants*

loss angle
see also dielectric losses
disperse materials, complex permittivity determ. in microwave range 2−17103
loss tangent, permittivity, measurable values for waveguide microwave methods 2−25367

loss angle, dielectric *see dielectric losses*

loss-angle measurement
coil, series and parallel cct. *(German)* 2−11579

loss measurement
capacitance bridge for reactor loss meas., current-comparator based, frequency compensated 2−11537
ceramic capacitors loss factor measurement conditions accuracy improvements *(Czech)* 2−24740
electrocalorimetric apparatus for loss meas. in supercond. 2−17001
induction magnetic probes, parameter change estimation at liquid N_2 temp. *(Russian)* 2−20551
measurement of no-load losses/ in induction machines/ 2−4126
optical fibre lightguides, loss measurement by refl. from end faces 2−20644
optical-fibre loss, measuring equipment for very small variations 2−25500
piezoceramic transducer electrical and mechanical losses *(Polish)* 2−17124
superconducting cable, alternating field losses determ., device *(German)* 2−7587
superconducting magnet, AC loss measurement, calorimetric method *(Chinese)* 2−9944
superconducting magnets, AC loss measurement at low frequency *(Chinese)* 2−11578
superconducting magnets, loss measurement *(Chinese)* 2−9947
superconducting magnets, very short cycle loss measurement by microcomputer 2−3241
US piezoelectric transducers, sensitivity meas. *(Russian)* 2−22760
GaAs/GaAlAs curved rib waveguides, loss value meas. 2−6049

losses
see also dielectric losses; eddy current losses; heat losses; loss angle; magnetic leakage
3-phase electric installations with four conductors, influence of non-symmetrical loads on energy losses *(Rumanian)* 2−22776
380 V three-phase factory power supply, voltage drop and losses calc. *(German)* 2−3741
750 kV power lines design choice and improvement 2−12202
AC losses in superconducting magnets 2−1662
analytical study of transient processes in a capacitive energy accumulation 2−12949
axial induction motor, EM field and energy losses in ferromagnetic bed, calc. *(Russian)* 2−7837
CW 40 GHz IMPATT diodes, chip level combining 2−24698
distribution feeders, loss reduction methods 2−3744
distribution primary feeder loss-reduction shunt capacitor placement 2−17712
distribution system loss reduction efforts 2−27489
distribution transformer losses and bid evaluation 2−7900
drive thyristor and convertor equipment equivalent current formulae *(Polish)* 2−18632
effect of partial outage representation on the statistical properties of loss-of-load probability estimates 2−12150
electrical energy production and utilisation in Belgium, power losses and methods of reducing these losses *(French)* 2−23064

losses continued
electrical losses in superconducting cable with split current conductor 2−12260
electrical networks, minimisation of active power losses by reactive power compensation *(Rumanian)* 2−12210
electrochemical and morphological study of the effect of temperature on the restructuring and loss of capacity of alkaline battery electrodes 2−12806
electrodynamic forces in frontal parts of stator windings under fault conditions *(Russian)* 2−23296
fluoride glass, 3d transition element doped, IR impurity absorpt. losses 2−15286
glass IR optical fibres, prediction of loss minima 2−1694
HV power lines, corona loss reduction *(Rumanian)* 2−27533
induction motors current invertor supplied, high frequency harmonic effects *(Croatian)* 2−18242
induction motors invertor fed, losses due to harmonics *(German)* 2−4115
integrated optic circuit losses, expt., fibre pigtailing of chips 2−10054
integrated optics, leaky modes on waveguides 2−6036
integrated optics, low-loss bends 2−15344
integrated optics devices, fabrication technology 2−25542
Josephson transmission line, pulse response props. and appl. to logic circuits 2−14074
large generators construction problems *(German)* 2−12583
linear synchronous motor, without exciters, EM field of stator coil with massive conductors, anal. *(Russian)* 2−7872
method of determination of economic losses depending on the reliability of electric energy supply to receivers *(Polish)* 2−27359
method of determining the energy losses/ due to current harmonics/ *(Russian)* 2−3731
middle-IR optical fibres with Pb oxide glass cladding, ref. index of glass, waveguide transmission loss 2−20674
mismatch losses in multiply tapped SAW convolvers 2−15093
monomode fibre, Rayleigh backscattered signals obs. using multichannel photon counting technique 2−9979
multimode-fibre link with imperfect joints, power losses against offsets 2−15308
optical CC glass waveguides with Ag^+ ion exchange, loss anal. 2−10063
optical fibre, single-mode losses, optical freq. domain reflectometry study 2−20623
optical fibre backscatter loss signature determ., long-range, using two-point processing 2−20646
optical fibre bandwidth, losses, bunch problem and EMI characteristics *(Italian)* 2−21623
optical fibre bending loss formulae for step-index optical fibre and their applicable regions 2−20677
optical fibre trunk transmission medium design and performance 2−2802
optical fibres, mode conversion coeffs. and mode depend. losses, simultaneous meas. in freq. domain 2−5987
optical fibres, single mode, microbending loss in a loose tube coating 2−1693
optical fibres as temperature sensors using cladding and jacket loss effects 2−15291
optical fibres for communication, mismatches rel. to joint and splice losses, standardisation of parameters *(German)* 2−25521
optical multi/demultiplexers for single-mode fibre transmission 2−9988
optical open resonator, diffr. power losses for symm. perturbed curved reflectors 2−1969
optical single-mode fibres, fundamental mode spot-size meas. 2−20632
optical waveguide, curved dielectric, method for diminishing total transmission losses 2−9984
optical waveguide, glass thin-film, low loss, using surface coating and laser annealing 2−6016
optical waveguide, hollow core, oxide-glass-cladding, loss calc. 2−25517
optical waveguide single microbend, insertion loss meas. using time-domain reflector 2−1709
optimal power flow based upon P-Q decomposition 2−27391
plastic optical fibres, low-loss, transmission spectra 2−1682
polystyrene core optical fibre, low loss 2−25516
power cable transmission power loss reduction techniques 2−27511
power distribution system cost model and its application to optimal conductor sizing 2−27477
power system losses, contemporary method of evaluation *(Slovak)* 2−22875
real losses and temperatures in magnetic amplifiers at high frequencies *(Russian)* 2−15659
rectifier equipment for industrial electrolysis plants, loss reduction investigations 2−12712
resonator losses, programmed modulation, laser generation 2−15518
semiconductor diode energy loss during forward/reverse transitions, calc. method *(Czech)* 2−14826
single-mode dispersion-force fibres, 1.5 micron wavelength, fabrication 2−20672
static inverter AC drive efficiency 2−28145
stationary excitation coil, electrodynamic suspension in alternating current, EM field and losses calc. *(Russian)* 2−8033
superconducting cable, current sharing between insulated strands 2−5973
superconducting composite wire, in situ formed, twisted, AC losses 2−5930
superconducting multifilamentary Roebel bars, power losses 2−4028
synchronous machines, iron losses calc. *(Czech)* 2−27886
synchronous motor, frequency controlled, operating regimes anal., energy loss minimisation 2−18192
synchronous motor, surface loss reduction in grooved solid poles 2−7823
three-phase cables, losses in iron sheathing *(German)* 2−7545
three-phase gas insulated cable, loss reduction using coated steel sheath *(German)* 2−3750
three-phase windings, eddy current distribution in cylindrical structures caused by rotating magnetic fields 2−27877
transformers, cost effective opeating regime determ., math. model *(Rumanian)* 2−12690
transformers in SCR convertor ccts., losses estimation 2−12727
voltage and current source invertor fed induction motors, comparative study of losses 2−18256
waveguides, hollow, for IR, losses and phase const. changes caused by bends 2−21169
$Al_xGa_{1-x}As$ buried heterostruct. laser, single mode operation by loss stabilisation 2−6210
Cu_2S-CdS sprayed solar cells 2−23543
GaAs solar cells with distributed parameters, I-V characts. effect of ohmic losses 2−12873

losses continued
InGaAsP-InP diode lasers, intrinsic saturable absorption anal. 2−2002
InGaAsP-InP laser, current injection induced acoustic signals 2−1952
$LiNbO_3$ Ti-diffused waveguide, modal fields and curvature losses 2−6023
Nb_3Sn superconducting tape, AC losses and stabilization 2−5933
Nb_3Sn-Cu filamentary superconducting wire, in situ prep. and props. 2−5928
PbSnSeTe-PbSeTe DH laser, lattice matched, low threshold 2−20897
ZnO optical waveguide material, VPE CVD technique 2−24305

loudness
see also acoustic intensity measurement
algorithm for estimating loudness parameters, telecommunication appl. *(Japanese)* 2−15855
sound level meters, plug-in concept, IEC 651 meas. standard 2−12097
telephone speech, equivalent reference measurement accuracy *(Japanese)* 2−15854
TV broadcasting, new loudness indicator 2−11144

loudspeakers
100 VA loudspeaker chassis *(German)* 2−16723
active sytems, introduction *(German)* 2−22007
artificial-head stereophony, sound quality *(German)* 2−2994
audio filters, crossover networks, general introduction *(German)* 2−6964
audio instruments, nonlinear distortion study 2−3009
automatic intercom two wire system, using loudspeakers *(Spanish)* 2−26215
ceramic-magnet duplex loudspeakers, time-aligned system, monitor system appls. 2−16730
characteristics and design, general discussion *(German)* 2−16702
coaxial flat-plane loudspeaker with polymer-graphite honeycomb sandwich plate diaphragm 2−16743
crossover network, improved second order Butterworth dividing network 2−21997
crossover network filter design characts. 2−22002
DC sensing loudspeaker protection cct., LS 1000, 700 W/channel HiFi system appl. 2−26659
delayed power amplifier switch, using 741C IC comparator and relay 2−2989
design of system based on measured impulse response 2−26686
diaphragm shape, radiation and diffraction effects by convex and concave domes 2−26685
driver small-signal parameter meas., equiv. cct. anal. 2−16732
electroacoustical transducer composite shell, dynamic props., theoretical and expt. study 2−22030
frequency dividing network, using active filters for loudspeaker systems *(German)* 2−19776
Hi-Fi design, cone surface vibration measurement by laser techniques 2−11265
Hi-Fi loudspeaker design, all-metal cone and crinkled collar, improvement in resonance performance *(German)* 2−3001
Hi-Fi system, loudspeaker selection *(Spanish)* 2−16718
honeycomb disk diaphragm loudspeakers 2−16713
mechanical parameters synthesis by electrical means 2−3008
olefin polymer diaphragm, description 2−16744
Peerless PA560, PAS25 loudspeaker kits, assembly 2−11264
Peerless PAS100 3-way 100-litre loudspeaker 2−6970
phase response, two-way loudspeaker system *(Croatian)* 2−2998
Philips test module for testing amplifier-line-loudspeaker system *(German)* 2−16706
polymer-graphite composite loudspeaker diagragm 2−16714
public address system high impedance lines *(Spanish)* 2−16719
pulse-testing device for electroacoustic meas. 2−16716
resonances of loudspeaker diaphragms 2−16711
scale acoustic models, speech imitation source 2−17593
sound amplifying systems, acoustic feedback instability *(Russian)* 2−22009
stereophonic, correlation between loudness and quality 2−22015
stereophonic reproduction, controlling sound-image localization 2−16742
stereophonic signals optimum reproduction *(German)* 2−2995
three-dimensional energy plots in the frequency domain 2−26664
true efficiency meas. for loudspeaker systems *(French)* 2−2999
tweeter using new structure and new material for diaphragm, direct-drive ribbon tweeter 2−16712
V3 loudspeaker, construction and testing 2−11266
vented speaker systems, bass frequency acoustic response 2−16695
Be-Al composite diaphragm for dome-type loudspeaker, vacuum deposition production method *(Japanese)* 2−16745

low energy electron diffraction
thermionic cathodes, oxide-type, poisoning and reactivation processes in polycrystalline mixed oxides 2−1093
BaO single cryst. films, poisoning and reactivation processes in oxide-type cathodes 2−1094
Si (111), nitridation by N atoms, LEED, AES, desorption, and mass spectra meas. 2−9583
$Si-SiO_2$ interface roughness, oxidation parameter influence 2−1242

low gravity experiments *see zero gravity experiments*

low induction loss *see loss angle*

low-pass filters
active, first-order, design and testing *(German)* 2−823
active, time-domain synthesis *(Serbian)* 2−19767
active Butterworth filters of 2nd order, design using TI 58/59 programmable calculator *(German)* 2−19778
active filter design, Butterworth low pass, high pass, band pass , band stop 2−24595
active filter low-pass to band-pass linear transformation 2−14207
active RC filter design, for required amplitude and phase characteristic *(Hungarian)* 2−9146
analog tracking filter for a swept-sine human vibration test 2−22532
attenuation characteristics approx. by optimising weighted error criterion 2−9140
bilinear switched-capacitor floating LC parallel cct., elliptic low-pass filter appl. 2−9152
Butterworth filters, design and testing *(German)* 2−19771
C-CD transversal low-pass filter with two-level Al electrode struct. 2−9149
Chebyshev active filter design, ladder networks *(Czech)* 2−830
Chebyshev active filters using operational amplifiers, transfer functions *(Czech)* 2−5289
continuous-time analog filter using MOS technology 2−19775
cross-spectrum analyzer using low-pass filter for AF range *(Japanese)* 2−16892

low-pass filters continued
design error correction 2−24582
digital filter, equiripple, nonrecursive, accelerated design procedure 2−19802
digital filter concept implementation for student case study using Intel 2920 single-chip signal processor 2−14221
electro-thermal filter networks, using sensors, heaters *(German)* 2−19777
EMC protective filters, incorporated in electric connectors for electronic equipment *(French)* 2−19923
FFT coefficient errors, results of deterministic analysis 2−4976
floating inductor design using single op. amp., active filter ccts. appl. 2−5282
frequency response calc. using computer techniques *(German)* 2−13915
IIR maximally flat group delay low-pass digital filters with flat passband 2−19806
integrated CMOS SC filter based on one-port simulation 2−19792
least-squares magnitude filters with self-equalised delay characteristic 2−9136
linear network analysis, difference operators in discrete Fourier transform *(German)* 2−24368
logic gate filter for square-wave pulse train 2−835
meander-line networks, approximation method for characts. function 2−19499
metallic mesh interference filters, very long-wavelength low-pass 2−6078
microwave coaxial multimode diode limiter, cut-off freq. 2−24655
MOS switched capacitor integrator, eliminating operational amplifiers 2−14244
MOS switched capacitor ladder filters, simplified structure 2−19781
non-complementary audio noise reduction IC 2−22010
pseudo quadrature mirror filters bank 2−26096
recursive digital low-pass filters with predetermined phase or group delay and Chebyshev stopband attenuation 2−5291
scratch filter, reduces surface noise picked up by record playing equipment 2−14204
selective filters with equalised passband group delay response, transfer functions determ. 2−19761
sharp cutoff, realisation by cascading low-Q 3rd-order blocks 2−19785
sharp-cutoff low-pass filters with equiripple pass-band 2−5271
switched-capacitor filters synthesis 2−8963
T-network combination, using four-pole network theory *(German)* 2−24352
third-order active RC filters *(German)* 2−818
transfer function construction with prescribed phase and amplitude characts. 2−24585
trimmed distributed RC networks, pole-zero locations, and appl. to low pass active filters 2−24598
voltage controlled low pass filter with 100 dB/octave transition interval width *(German)* 2−819

low-temperature physics *see cryogenics*

low-temperature production
see also magnetic cooling; refrigeration
spectroscopy experiments, automatic liq. N_2 filling system 2−16927

low-temperature techniques
see also cryostats; refrigeration
conversion electron Mossbauer spectroscopy using channel electron multipliers at low temp. 2−17220
cryogenic ionization chamber for high-resolution fission cross-section measurements 2−11794
low energy ground state electron/position cryogenic source 2−22474
plasma etching for semiconductor masking 2−25323
thermometers calibration, resistance, based on Ge and composition carbon, 4.2 to 0.5K 2−3121
Thermometrics thermistors evaluation for use at cryogenic temp. 2−955
transport of cryogenic liquid/gas between installations at different elec. pots. 2−27522
He, liquid, AC breakdown strength in millimetre gap range, low-loss He cryostat appl. 2−1491
He, liquid, dielectric breakdown, influence of electrode materials, cryogenic equipment for spark gap cooling 2−1490
N_2, liq., automatic level regulator 2−26989
Rh-Fe resistance thermometer, low-temp. appls. *(Chinese)* 2−11434

LPE *see liquid phase epitaxial growth*

LSA *see limited space charge accumulation*

LSI *see large scale integration*

Ludwig-Soret effect *see diffusion in solids*

luminance *see brightness*

luminescence
see also cathodoluminescence; chemiluminescence; electroluminescence; fluorescence; fluorescent screens; ionoluminescence; luminescence of gases; luminescence of liquids and solutions; luminescence of solids; luminescent devices; phosphorescence; phosphors; photoluminescence; sonoluminescence; stimulated emission; superradiance; thermoluminescence; triboluminescence
conference, Berlin, Germany (July 1981) 2−23864
research, review 2−25601
vision research implications in luminescence investigations 2−28210

luminescence chambers *see scintillation chambers*

luminescence of gases
air luminescence yield under influence of ^{239}Pu α-particles 2−25588
dibenzofran, dye vapour, fluorescence characteristics in UV-region *(Japanese)* 2−1955
fluorene, dye vapour, fluorescence characteristics in UV-region *(Japanese)* 2−1955
p-terphenyl, dye vapour, fluorescence characteristics in UV-region *(Japanese)* 2−1955
CO_2 waveguide laser, parameters of active medium by luminesc. study 2−20810

luminescence of inorganic solids
amorphous semiconductors, conf., Grenoble, France, (July 1981) 2−23865
chalcogenide glasses, review of studies at Ioffe Physical-Technical Institute, USSR 2−25004
$Ga_xIn_{1-x}P$-GaAs heterostructures, luminesc., effect of mismatch between lattice consts. and thermal expansion coeffs. 2−6100
metal-semiconductor junction, spatial distrib. of excited luminesc. centres 2−6110
metaphosphate glass dosimeters, radiophotoluminesc., time-resolved study 2−11803
semiconductor, high-resolution optical spectroscopy characteris., review 2−9395

luminescence of inorganic solids continued
semiconductor, photolum. and photolum. excitation spectroscopy characteris.; review 2−9394
semiconductor technology, optical characterisation techniques, conf., San Jose, USA (Apr. 1981) 2−8136
semiconductor-oxide interface, cathodolum. characteris. 2−9511
(Al,Ga)As epilayers, and DH lasers, minority carrier lifetime and luminescence 2−5555
Al-Al_2O_3-Ag tunnel junctions on gratings, light emission 2−20155
AlAs-$Al_xGa_{1-x}As$-GaAs superlattices, absorpt., stimulated emission and clustering 2−25050
$Al_xGa_{1-x}As$ DH laser, deep level luminesc., spatial distrib. 2−1966
$Al_xGa_{1-x}As$ grown by MBE, photoluminescence studies 2−10125
$Al_xGa_{1-x}As$ MBE layer, Al-Ga disorder 2−1171
$Al_xGa_{1-x}As$:Si graded-band-gap p-n structs., photoluminescence spectra 2−10124
$Al_xGa_{1-x}As$:Sn, MBE grown, photolum. spectrum, As/Ga flux ratio effect 2−1793
$Al_xGa_{1-x}As$-GaAs quantum-well heterostruct. lasers, MBE grown, alloy clustering, photoluminesc. study 2−25792
AlSb, LPE from Sb solns. 2−13821
Au/ZnSe:Mn/n-GaAs, MBE DC electroluminescent cell with very low threshold voltage 2−10163
Au-oxide-n-GaAs struct., forward biased, electroluminesc. 2−9515
$BaTiO_3$, ferroelectric, electroluminescence phase rot., elec. field amplitude effect 2−15396
$BeAl_2O_4:Cr^{3+}$, spectroscopic and lasing props. 2−10278
C fibre micropoint emitter, electrolum. effects associated with electron field emission 2−14564
(Ca,Ba)S:Cu,Nd phosphor, electrolum. behaviour 2−10129
$CaF_2.3Ca_3(PO_4)_2$:Ce, Mn phosphors, luminesc. depreciation 2−25609
CaO(S)(Se):Pb^{2+} phosphors, luminesc. spectra, mag. field effect *(French)* 2−20734
CaS:Ag phosphors, luminesc. kinetics, phosphoresc. decay, thermoluminesc., and electrolum. meas. 2−10130
CaS:B, thermolum. phosphor, phys. parameters, operation importance 2−15400
CaS:R (R=rare earth), DC electrolum. 2−25613
$CaSO_4$:Dy, Bi, phosphors; X-ray induced fluorescence and phosphorescence 2−15398
$CdF_2:Ho^{3+}$-Au LED, electrolum. 2−25641
CdF_2:Mn metal-semiconductor junction, luminesc. impact excitation, spatial profiling 2−25597
CdS, biexciton states, real and virtual, Raman, fluoresc. and radiative recomb. spectroscopy 2−24972
CdS, local states US ionization, sonolum. and acoustoelastic current 2−20732
CdS photocell, cathodolum., photolum. and SEM studies 2−25617
n-CdS:Te, semiconductor photoelectrodes, luminescence, photocurrent 2−12763
CdS(Se), luminescence, time-resolved picosecond, at high excitation 2−25592
CdTe p-n junctions, electrolytically prepared, emission props. 2−1813
CdTe, p-n junctions, LPE grown, injection electroluminescence 2−10123
CdTe undoped p-type annealed in vacuum, electrical and crystalline props. 2−1189
$Cu_{2-x}S$-ZnS heterostruct., electroluminescence 2−10164
GaAlAs DH laser, strain related degradation phenomena, SEM cathodoluminescence and induced current study 2−20910
GaAlAs:Sn, thin layer emitters, luminescence and Sn-X centres 2−25192
$Ga_{0.68}Al_{0.32}As$:Te(Zn) laser pumped by electron beam, cathodolum. and threshold current density, doping influence 2−6229
$Ga_{1-x}Al_xAs$, IR emitting diode, bandwidth and optical output power determined by photoluminescence measurement 2−1818
GaAs crystals and solid solns., hot electron luminescence 2−25593
p-GaAs, heavily doped, hot carrier relax., picosecond luminesc. study 2−24983
GaAs, hot carrier photoluminescence, picosecond correlation effects 2−25594
GaAs, laser annealing induced defects 2−20078
GaAs, photoluminescence spectra, obs. of emission band at ∼1.40 eV 2−20727
GaAs, proton bombarded and annealed, photolum. 2−15394
n-GaAs, Raman scatt. from ion implanted carriers 2−24987
GaAs Schottky contacts, light emission behaviour, exptl. data 2−20728
GaAs, semi-insulating bulk-grown, selective excitation luminesc. 2−25587
GaAs, VPE layers, implanted and annealed, elec. and optical props. 2−24969
GaAs:Fe, heat treated substrate, photoluminescence props. studies 2−9425
GaAs:Ge(Se), neutron transmutation doping, elec. and physical props. 2−9562
GaAs:Mn,Fe, heat treatment effects on surfaces, thermal redistrib. of impurities 2−1195
GaAs:Si epitaxial p-n junctions, injection luminesc. 2−25642
GaAs:Sn,Cu, electrical props. investigation 2−1186
GaAs:Te,Zn, heavily doped material with p-n junction, SEM local cathodolum. obs. 2−24957
GaAs:Zn, nonequilib. substitutional-interstitial Zn diffusion, photoluminesc. study 2−9557
GaAs:Zn, polycrystalline, optoelectronic props. rel. to grain boundary features, cathodoluminesc. anal. 2−20089
GaAs/(Ga,Al)As, transmission photocathode, growth by MO-VPE 2−1812
GaAs-$Ga_xAl_{1-x}As$ DH and multiple quantum well superlattices, luminesc. props. and struct. 2−25589
$GaAs_{1-x}P_x$, direct-gap, electron-hole plasma expansion, photoluminesc. study 2−14648
$GaAs_{1-x}P_x$ layers, mixed cryst. comp. rel. to vapour phase comp. in Ga-HCl-PH_3-AsH_3-(NH_3)-H_2 system 2−19405
GaInAs-AlInAs structures grown by molecular beam epitaxy 2−8808
$Ga_{0.47}In_{0.53}As$, LPE growth, baking temp. effect on purity, photoluminesc. and elec. props. 2−13823
GaInAsP-InP layers, long wavelength, temp. depend. photolum., surface recomb. vel. 2−1967
$Ga_xIn_{1-x}P$-GaAs MBE DH, interface recombination vel. and misfit strain, photoluminescence study 2−9480
GaP, deep levels in light-emitting devices, electron trap and hole trap discharge rates temp . dependence *(Japanese)* 2−14647
GaP diodes, deep recombination centre parameters, TSC study 2−20231
GaP, impurity-doped, efficient linear IR to visible upconversion, IR detect. using NEA photocathode 2−10126

luminescence of inorganic solids continued
GaP, lanthanide doping influence on elec. and photolum. props., LED material 2−24965
GaP:Bi p-n struct., electrolum. and photoresponse spectra 2−20731
GaP:Zn, O light emitting diode, quantum efficiency, electron irrad. effect 2−6120
$In_{0.53}Ga_{0.47}As$, electron transport and photoluminesc. meas. 2−1193
$In_{0.53}Ga_{0.47}As$, near-band-gap absorpt. and photolum. 2−20729
InGaAsP DH, electroluminescence, efficiency and kinetics 2−10174
InGaAsP DH layers, laser characts., nonradiative recomb. effect 2−20901
InGaAsP-InP DH LED, accelerated aging and high temp. degradation 2−6117
InGaAsP-InP DH laser, degradation obs. by electron probe microanal. 2−25769
n-InP LPE layer, donor-acceptor pair recomb. from donor ground and first excited states 2−1197
InP-InGaAsP heterostructure, electrolum. polarization due to internal strain 2−25605
$InSn_xO_y$-Ta_2O_5-ZnS:Mn-Ta_2O_5-Al thin film struct., DC electrolum. 2−25598
KI:Tl phosphor, uniaxial stress effect on A emission band at low temp. 2−10131
Li-La phosphate glass:Cr^{3+}, Nd^{3+}, energy transfer between Cr and Nd ions 2−25760
MgS:Pb^{2+} phosphor, luminesc. spectra, mag. field effect *(French)* 2−20734
NaCl:Sr, pretreated, effect of activator content on thermolum. 2−10135
Nd phosphate concentrated laser glasses, review 2−20863
$Pb_{1-x}Sn_xTe$:Bi; photo-and electroluminescence spectra 2−6099
Si, amorphous, p^+-i-n^+ junction, injection electroluminesc. and photoluminesc. 2−25602
Si, amorphous, photolum., influence of excitation density and n-type doping 2−25603
Si, amorphous, plasma deposited and CVD coatings, ion implantation, elec. cond. and photoluminesc. 2−20095
Si amorphous film, props. control by control of plasmachemical prep. processes, use in solar cells 2−19429
a-Si, glow discharge, fatigue effect in luminesc. at low temp. 2−25606
Si wafer, Czochralski grown, photolum. characteris. of thermally-induced defects 2−9412
a-Si:H, a-Si:F:H, Schottky-barrier diodes, elec. props. using new techniques 2−25067
Si:H, O sputtered films, amorphous, optoelectronic props., effect of O 2−25580
Si:H,Cl amorphous film, photolum. studies 2−25604
Si:H amorphous films, photocond. and photolum 2−25578
Si:H amorphous films for electrophotographic appl., photoelec. props. 2−24928
a-Si:H film, photocond. anal. luminesc. meas. of cond. band tail 2−25575
a-Si:H films, impurity doping, morphological study, electrical and optical properties 2−25022
SiC:Al^+ implanted epitaxial diodes, cathodoluminescence characts. 2−10173
α-SiC:Al^+ LED, electroluminesc. spectra fine struct. 2−25644
Si_xC_{1-x}:H, amorphous films, photocond. and photolum 2−25578
a-Si_xNi_{1-x}:H, wide optical-gap, photoconductive, elec. and optical props. 2−15380
SiO_2 core optical fibre, tribolum. spectrum 2−25477
SrS:R (R=rare earth), DC electrolum. 2−25613
Y_2O_2S:Eu phosphors, excitation mode into charge transfer band 2−20733
(Zn,Cd)S:Ag,Cl DC electrolum. powder cell, donor-acceptor recombination luminesc. 2−25614
ZnO, annealed sputtered film, DC electroluminescence and photoluminescence 2−1794
ZnO, phosphor, self-activated, electroluminescence 2−25608
ZnO sputtered thin films, luminesc. props. 2−25591
ZnO, stimulated emission obs. at high one-photon excitation level, UV photolum. 2−20858
ZnO:DyAg, phosphors, electrolum. and photolum. obs. 2−6103
ZnS phosphors, luminesc. props., influence of formation temp. 2−25615
ZnS:Ag, Cu, Cl phosphor powders, prep. and blue electroluminesc. 2−15399
ZnS:Ce, Cu(Ag), phosphoresence decay and thermolum. study 2−10133
ZnS:Cu,Nd,Cl film, laser phenomena in direct current electrolum. and cathodolum. 2−10127
ZnS:Er thin film, DC electrolum., spectral intensity 2−25600
ZnS:Gd (Cu,Gd)(Mn,Gd), electroluminescent, optical props. 2−20735
ZnS:Mn,Er thin film, electrolum., mutual interaction between Mn and Er centres 2−25599
ZnS:Mn thin film electrolum. device, electrolum. characts. depend. on device parameters 2−20754
ZnS:Mn(TbF_3) AC thin film device, electrolum. mechanism 2−25633
ZnS:$YEuO_2S$ thin film, electrolum. complex centre characts., fluoresc. and time resolved spectra 2−25590
ZnS(Se):Mn, high field electrolum., impact excitation and ionization 2−6097
ZnSe crystals, effect of heat treatment in Zn, Se, Cd vapour on optical and electro-optical props. 2−5549
ZnSe, metalorganic chemical VPE growth, photoluminesc. and Raman scatt. obs. 2−19412
ZnSe single crystals subjected to one- and two-photon excitation, luminesc. and lasing 2−20869
ZnSe:ErF_3 thin films, electrolum. 2−15395
$ZnSiO_4$, doped and undoped, photoluminesc. and photocond. 2−25612
$ZnSiO_4:Mn^{2+}$(Mn^{2+},As), photoexcited and photostimulated luminesc. and cond. 2−25610
$ZnSiO_4:Mn^{2+}$(Mn^{2+},As), phosphorescence, electron traps effect 2−25611
Zn_2SiO_4:Mn phosphors, electron trapping and luminesc. mechanisms, tunnelling model 2−1795
ZnTe, laser induced O diffusion, photoluminesc. study 2−25141

luminescence of liquids and solutions
hydrocarbons, prebreakdown disturbances and luminescence obs. using laser schlieren technique 2−1485
laser pump radiation conversion in luminesc. substances 2−20918
Nd^{3+}:$POCl_3$-$P_2O_3Cl_4$-$SnCl_4$ system, laser performance and fluoresc. lifetime *(Chinese)* 2−10256

luminescence of organic solids
monoalkylammonium chlorides activated with Tl, phosphors, luminesc. study 2−6104

luminescence of organic solids continued
organic photoconductor, electro-optical induction of recomb. luminesc. 2−6096
poly-N-vinylcarbazole, extrinsic carrier photogeneration, charge transfer fluoresc. quenching by elect. field 2−20730
polymers, light detection as prebreakdown phenomena 2−9797
polystyrene-PMMA copolymer scintillator optical characteristic stabilisation by prolonged heating 2−27053
pyroelectric luminescence 2−6098

luminescence of solids
see also luminescence of inorganic solids; luminescence of organic solids
electroluminescence, high field, review 2−6109
semiconductor, biexcitons, M-luminesc. band region, self-induced transparency 2−25846

luminescent devices
see also fluorescent screens; phosphors; scintillation counters
AC thin film electroluminescent cells, rare earth complex dopants 2−6112
conference, Berlin, Germany (July 1981) 2−23864
electroluminescence, high field, review 2−6109
electroluminescent, high field, comparisons and contrasts with LEDs 2−6119
electroluminescent cell, optical erase feature, appls. in erasable memory storage display 2−26906
electroluminescent devices, AC thin film, modelling 2−6113
electroluminescent devices, thin film, appl. 2−7162
electroluminescent displays, thin film 2−26908
electroluminescent large-area image display, powder and film screens 2−17051
filters, efficiency of wavelength conversion of laser pump light 2−10104
flat picture tube developments and principles *(Czech)* 2−5516
fluorescent dye in doped polymer matrix, Stokes shift, use in fluorescent collector 2−25595
glass:Cr^{3+} based materials, fluorescent, for luminescent solar collector 2−25596
research, review 2−25601
solar concentrator for photovoltaic systems, efficiency, temp. depend. 2−25631
solar planar concentrators 2−25632
Au/ZnSe:Mn/n-GaAs, MBE DC electroluminescent cell with very low threshold voltage 2−10163
CaS:R (R=rare earth), DC electrolum. 2−25613
GaAs-GaAlAs CW DH superluminescent diodes, modulation characts. and intensity noise 2−1817
InP MIS triodes, surface controlled, as luminescent devices, surface inversion charge density meas. 2−1814
SrS:R (R=rare earth), DC electrolum. 2−25613
ZnS AC thin film device, electrolum. efficiency, probe layer meas. 2−1815
ZnS phosphor powder for electrolum. panels, UV light induced ageing, photoacoustic spectroscopy study 2−6101
ZnS:Mn, Cu DC electroluminescent powder panels, electrical and optical props. 2−26912
ZnS:Mn, Cu DC electroluminescent displays, degradation mechanisms 2−26916
ZnS:Mn,Cu DC electroluminescent devices, LV performance 2−26914
ZnS:Mn AC thin film electroluminescent devices 2−26915
ZnS:Mn electroluminescent devices, thin-film, memory 2−6111
ZnS:Mn low-threshold-voltage thin-film electroluminesc. devices utilising ferroelectric $PbTiO_3$ and PLT insulating thin films 2−25634
ZnS:Mn thin-film electroluminescent faceplate, for storage CRT display 2−26913
ZnS:Mn(TbF_3) AC thin film device, electrolum. mechanism 2−25633

luminophors *see phosphors*

luminors *see phosphors*

lumped parameter networks
active filters, component value determ, flexible program 2−19768
active gyrator, stable two-port operation at high freqs., computer simulation, resonator appl. 2−13921
active RC single-op. amp. design of driving-point impedances, comment and reply 2−824
antenna equivalent cct. synthesis using computer-aided optimization methods 2−10564
Cauer II type passive RC ladder multiport, matrix transfer function realisation via state-space approach 2−674
equivalent circuits for EM screens, lumped network synthesis 2−2168
influence of parameters of RC networks on commutation processes in thyristor equipment 2−18341
L-C-R-T network synthesis, two-pole and 2n-pole realisations, methods *(German)* 2−19514
LC ladder four-pole filter synthesis using impedance parameters, TI 58/59 calculator program *(Czech)* 2−19766
linear, one-dimensional minimax algorithm based on biquadratic models 2−24372
linear dynamic systems state-space description formulation algorithm *(Czech)* 2−24371
linear passive RLC networks, exact equivalent ccts. 2−5070
lossy/lossless lumped-distributed cascade networks synthesis 2−19512
lumped/distributed networks, state-space anal. in time and freq. domains 2−13916
mixed lumped-distributed networks, cascade synthesis 2−24365
non-series-parallel three-terminal RC network, decomposition formula 2−675
nonisomorphous passive selective circuits, structural synthesis *(Russian)* 2−13919
nonlinear lumped parameter-linear distributed parameter networks, time domain anal., algorithms and programs *(Hungarian)* 2−8950
phase shift cct. analysis by summing effects of each of n reactive elements with other n-1 elements excluded 2−9184
three-port voltage controlled voltage sources, active compensation for finite gain bandwidth of op amps 2−19788
two-port lumped and distributed networks, cascade synthesis, use of Minkowski model of Lorentz space 2−24370

lunar atmosphere *see Moon*

lung
radiation dose estimates to lung tissues from Rn daughters 2−17430
respiratory deadspace, apparatus for automatic assessment 2−27118
tumour visualisation by computed subtraction scintigraphy with ^{67}Ga citrate and ^{113m}In chloride *(Russian)* 2−17346
Pu in lungs assessment, gas scintillation proportional counter *(Japanese)* 2−3397

Luxemburg effect *see ionospheric electromagnetic wave propagation*

Lyapunov methods
gas turbine control system model 2−12510
infinite bus connected synchronous machine transient stability anal. 2−4082
integro-differential equations algorithm 2−19358
Lyapunov equations 2−8361
optimization technique based on Liapunov concepts 2−13633
particle size distrib., moment inequalities of the Liapunov type 2−8556
power system with reheat steam turbines and governor deadband nonlinearity, load-frequency control parameter optimisation 2−22844
power systems, asymptotic stability domain estimation *(Chinese)* 2−13367
power systems, large scale, stability region determ. 2−3679
single-machine power system, new type Lyapunov function for better estimation of stability region 2−7476
spectrum of matrix in arbitrary region of some class, containment criterion 2−19073
two-target pursuit-evasion differential games in the plane 2−217

lyotropic liquid crystals *see liquid crystals*

M-centres
KBr, M^+-centre laser, 0.8 to 2.0 μm 2−10274
KCl, M^+-centre laser, 0.8 to 2.0 μm 2−10274
KI:Li$(F_2^+)_A$ centre laser, broadly tunable action beyond 3 μm 2−20860
LiF crystal F_2 colour centre laser *(Chinese)* 2−15482
LiF, F_2^- color centre laser, picosecond pulses, 1.1 to 1.25 μm 2−25764
LiF F_2^--centre CW laser, 1.14-1.2 μ range 2−25755
LiF, F_2-centers as passive shutters for laser cavities 2−15531
LiF:OH crystal, quasicontinuous generation of stimulated emission of $F_2^+O^{2-}$ centres 2−20859
NaCl, M^+-centre laser, 0.8 to 2.0 μm 2−10274
NaF (F_2^+)*-centre laser, CW tunable single-mode operation in near IR 2−25746

M-regions *see Sun*

machine bearings
alignment of supporting bearings of the 800 MW turbo unit 2−18172
calculating shaft hydraulic lift for journal bearings, influence of high pressure oil 2−4012
Chibro power station, generator bearing failure 2−18051
grinding mill trunnion bearings, protective instrumentation 2−26957
high power turbosets, parasitic currents, causes and measures 2−12476
large rotor unbalance on turbine-generators with fixed arc journal bearings in fossil-fired plants, protective measures. 2−12597
linearized rotor-bearing models used in vibration anal. of rotating machines, math. props. 2−4008
lubrication, effect on working life of fractional-horsepower electric motors *(German)* 2−7881
magnetic, moving parts in space support appl. 2−3550
modernisation of the guide bearings of the turbines in the Chirchik hydroelectric cascade, USSR *(Russian)* 2−23162
pivoted pad journal bearings for rotating machinery 2−27676
steam turbine sleeve bearings, heat transfer investigation *(Russian)* 2−17990
technology for reducing radial play in turbine bearing seals *(Russian)* 2−27595
vertical motors, lower guide bearing maintenance 2−12596

machine insulation
10 MVA AC supercond. generator, HV armature insulation system 2−5981
accelerated life test *(Polish)* 2−4031
conformable mica paper tapes for high-voltage appls. in machine insulation 2−23249
DC motor winding insulation, glass banding tape, UV curable 2−23312
designers' viewpoint on class F and H electrical machines 2−27868
dielectric failure in power equipment and cable, causes and measures. 2−12595
dielectric strength of insulation arrangements in longitudinal slots, for electric equipment up to 10 kV *(Czech)* 2−5834
electric machine HV winding insulation systems, technological innovations influence on design 2−4006
electric motor insulation, trends and appl. in British industry 2−23237
epoxy impregnants for high-voltage appls. in machine insulation 2−23250
form wound coil production, vacuum press. impregnation, comparison with hot pressing/non-pressing techniques 2−23243
form-wound coils manufactured by vacuum press. impregnation, sleeving insulation 2−23242
hermetic motor windings, self-bonding and polyamideimide-ester magnet wire, props. 2−18151
high temp. epoxy insulation systems, rotating electrical machinery appls. 2−7800
high-temperature insulation, fibre-reinforced resin system, transformer and machine insulation appls. 2−18153
HV frame insulation requirements 2−27881
HV machine insulation systems, mica appls., thermal stability 2−23254
HV motors, insulation assessment CSIR research programme 2−18144
hydrogenerators, TWINTONE bar/slot interface, maximisation of benefits of modern HV stator ground insulation 2−23264
impregnating agents for motor/transformer insulation, bond strength, test methods 2−23248
inhomogeneous isotropic insulation, mathematical models of absorption processes *(Russian)* 2−15060
inorganic electrical insulation, for transformers, motors and other appl. 2−27873
insulating materials−classification and properties 2−25383
insulating systems for high thermal load *(Croatian)* 2−27981
insulation discharges, RF detection by loop probe 2−26811
Kapton polyimide film as magnet wire and motor coil insulation 2−23246
large rotating machinery, high-voltage windings, insulation, high strength mica paper/epoxy resin system 2−23251
low-viscosity solventless resins, vacuum press. impregnating appls., motor/generator insulation 2−23247
low-voltage permanent magnet motors, statistical destructive testing, insulation/component quality 2−23327
LV electric motors, Class F and Class H insulation, designer's viewpoint 2−7802
merge test methods, for turn insulation of electrical rotating equipment 2−23255
mica paper tapes/wrappers for use in vacuum press. impregnation systems, evaluation 2−18154
motor winding insulation failure, steep-fronted switching voltage transients meas. 2−27875

machine insulation continued
motor windings, interturn insulation stresses, steep-fronted switching voltage transients distribution tests 2−27876
nondestructive, AC current-testing method and measurement equipment 2−7894
overheating, identification and location by remote sensing, use of condition monitors 2−12580
Stypol 83-2000 polyester insulating varnish for Class 180+ transformers, motors and coils 2−18155
synchronous generator laminar insulation system phenomena preceding breakdown under action of strong electric field *(Polish)* 2−23267
synthetic insulation systems for HV rotating machines 2−7803
thermosetting plastics, transfer moulding and appl. 2−13259
traction motor, LV, insulation meas. using partial discharge instrum. *(Japanese)* 2−4036
waterwheel generators, stator insulation systems, monitoring 2−23265
windings, moisture-resistant magnet wire from Phelps Dodge, appls. 2−18150
windings, polyamideimide resin for 200°C enamelled wire 2−18152

machine oriented languages
CCITT man/machine language *(Norwegian)* 2−26181
MIDAS machine language program 2−3093

machine protection
asynchronous machines, diagnostics, math. model estimate appl. *(Polish)* 2−18236
domestic refrigerators and deep freezers, employing electronic protection and control circuits *(German)* 2−4481
electric generators stored program control of synchronisation with the mains *(German)* 2−27871
governing and protection system of 200/210 MW steam turbine 2−27711
grounding of generators connected to industrial plant distribution buses 2−17764
hydroelectric generator earth fault protection *(Russian)* 2−4021
induction motor protection against excessive currents and voltages *(Russian)* 2−4131
induction motor protection using overload relays, lack of adequate protection in certain situations, soln. 2−18247
induction motors, 3-phase, measures for protection from dangerous overloadings, comparison and usefulness *(German)* 2−27907
insulation overheating, identification and location by remote sensing, use of condition monitors 2−12580
large rotor unbalance on turbine-generators with fixed arc journal bearings in fossil-fired plants, protective measures. 2−12597
microelectronics for improved motor protection 2−7578
microprocessor based protective relaying, algorithms and systems 2−3799
miner electrical safety prediction using reliability techniques, fault tree for safety grounded/ground fault protection systems 2−18842
mining industry induction motors, overloads for protection tripping, calc. method *(Russian)* 2−27919
motor controls and protection, reference information 2−7805
moulded case circuit breakers, electric motor control appls. 2−7957
overheating protection, implementation of pyrolysate analysis of materials employing tagging compounds to locate an overheated area in a generator 2−23259
rotation frequency relay for hydrogenerator, performance evaluation 2−17774
scientific, practical and regulatory aspects *(French)* 2−23238
steam turbine self-protection safety measures against disturbances 2−27692
steam turbine-generator underfrequency protection criteria 2−23116
steam turbines 210 MW, operation and maintenance 2−17967
supervisory and protection systems, impact of electronics and microelectronics *(German)* 2−18145
synchronous generator out-of-phase interval during short-circuit fault as source of protection *(German)* 2−4052
synchronous machine excitation cct. surge protection *(Russian)* 2−4060
turbine overspeed protection control using variable structure servomechanism 2−12493
turbogenerator on-line diagnostics using RF monitoring for internal arc detect. 2−23258
unbalance currents of differential protection of high power electric motors 2−18173
water cooled elec. generators, cooling system and corrosion elimination *(German)* 2−12585

machine testing
300 MW turboalternator, short cct. tests on dynamic torsional response 2−4025
300 MW turboalternator, torsional oscillations damping anal. and obs. 2−4026
AC generator stator winding mechanical stress determination through model tests *(French)* 2−18169
accelerated life test *(Polish)* 2−4031
asynchronous machines, diagnostics, math. model estimate appl. *(Polish)* 2−18236
asynchronous machines, with rotor tall bars, transient parameter determination *(Rumanian)* 2−27905
axial air gap variable reluctance motor, convertor-fed, tests 2−4057
compressor, axial-flow, dynamic blade motion meas. by non-contacting eddy current method 2−22455
DC motors, commutators, moulded plastic, testing problems in repair process 2−23311
defects detection, diagnostics system 2−4010
district heating plant steam turbines thermal testing 2−27728
electromechanical convertor testing using programmable load *(French)* 2−23370
erosion tests of steam turbine blade materials 2−27718
form wound AC stator windings, insulation systems, voltage life testing 2−23266
induction motors, mag. field curve deformation in air-gap and magnetising current *(Polish)* 2−18231
insulation, impregnating agents for motor/transformer insulation, bond strength, test methods 2−23248
insulation failure, 'transition effect' in thermal ageing process 2−23253
integrated optimal control of large turbo-generator set and tests on micro-alternator system *(Chinese)* 2−27878
large motor performance testing facility 2−16836
low-voltage permanent magnet motors, statistical destructive testing, insulation/component quality 2−23327
motor winding insulation failure, steep-fronted switching voltage transients meas. 2−27875
machine testing continued
motor windings, interturn insulation stresses, steep-fronted switching voltage transients distribution tests 2−27876
Navy machinery testing and monitoring, R&D approach 2−22142
nuclear power plant turbine rotor in-service inspection methods 2−23030
rotating electrical machines, high-voltage testing of winding insulation, test voltages, types 2−23252
small electric machines, research, design and testing in Institute of Electrotechnics *(Polish)* 2−27952
spectral sensitivity and transfer charact. of TV cameras, application in machine text observation and central *(German)* 2−24882
stator cores, effect of stripping procedures during rewinding, test methods 2−23245
stator thermal probe, information meas. provisions 2−16983
synchronous compensator with brushless excitation, thermal tests 2−18193
synchronous machines, salient pole type, age-related failure of wire-wound rotating field poles 2−23283
three-phase small induction motors, air-gap nonuniformity influence on performance *(Polish)* 2−18233
turbogenerator monitoring, shaft vibration and direct phase angle meas. *(German)* 2−27654
turbogenerator operating charact. measurement in test department 2−27860
turbomachinery shutdown decisions, spectral analysis and other methods 2−27874
turbomachinery vibration meas., signature analysis appl. 2−23139
vertical-axis wind turbine sailwing aerodynamics, wind-tunnel tests 2−18107
windings testing, surge comparison technique 2−23235

machine theory
300 MW turboalternator, torsional oscillations damping anal. and obs. 2−4026
AC machine analysis with unbalanced terminal constraints by d-q harmonic balance 2−12591
asynchronous machine, reduced-order models *(Italian)* 2−23289
asynchronous motor, comparison of 3-dimensional and 1-dimensional calculation of the thrust of a sector motor 2−27923
composite rotor induction motor, charact. and torque coeff. *(Japanese)* 2−4134
condition for torque compensation of a superconducting excitation winding in high-power slow-running motors *(Russian)* 2−27892
current density distribution analysis of bar in slot 2−18142
dynamic models for the transient analysis of induction machines with asymmetrical winding connections 2−23294
electric machine rotor torque distribution calc. 2−13187
electric machines, mag. fields, permanent magnet effect, vector pot. finite element anal. 2−15208
electrostatic generators, high-power with rotor of piezoelec. strips 2−25908
end effects in series-wound linear induction motors 2−27948
flux penetration into saturating steel, in presence of transverse fields 2−12590
high efficiency induction machines of 1980s 2−23297
high efficiency induction motors of 1980s 2−23298
hypocycloidal reluctance motor, high torque low speed appls. 2−12610
idealised induction machine, mathematical model *(Croatian)* 2−12640
induction motor, single phase, reluctance start, theory 2−4128
induction motor dynamic analysis during power supply imbalances 2−4127
induction motor star-delta switching performance during starting 2−7835
induction motors, air gap flux density and differential leakage reactance *(Japanese)* 2−4133
integral characteristics of linear asynchronous motors with parallel winding connection with an assigned symmetrical voltage *(Russian)* 2−4240
large turbine-generator, EM forces on armature end windings, steady state performance anal. 2−12588
linear induction motor, field calc. by integral eqn. 2−2078
linear induction motor transient performance 2−23316
linear motion tubular electric motor, nonlinear analysis of field distribution assuming periodicity conditions 2−18274
linearized rotor-bearing models used in vibration anal. of rotating machines, math. props. 2−4008
magnetic fields determ. 2−4023
moving current contours, electromagnetically connected, optimal interaction *(German)* 2−27847
optimal winding design of a permanent magnet motor for self-controlled inverter operation 2−7821
Park-Gorev equations of slow transients of synchronous machines *(Russian)* 2−12606
permanent magnet machines, mag. fields, three-dimens. finite element soln. 2−15207
pole-changing induction motors, transient states anal. *(Polish)* 2−18230
saturated AC machines, generalised anal. 2−4019
shaded pole motor, math. model 2−4135
short-circuit currents calcs. with induction-motor contributions 2−12654
short-circuited stalled induction motors with frequency control, working state analysis and effects of network voltage variations *(Croatian)* 2−12647
squirrel cage asynchronous machines, end-ring resistance calculation 2−18219
squirrel-cage induction motors, basic voltage and torque eqns., allowing for all MMF and permeance harmonics 2−27902
squirrel-cage motor, frequency controlled, design calc. *(Russian)* 2−4144
steady-state eddy-current flow in current carrying conductors, finite element anal. *(German)* 2−7807
synchronous generator, nonsalient pole, three-phase *(Croatian)* 2−4053
synchronous generator, solid rotor with divided winding, optimal controller design employing output feedback 2−7822
synchronous machine with three phase stator windings, transient anal. *(Russian)* 2−4058
synchronous motor, surface loss reduction in grooved solid poles 2−7823
synthesis of regulation functions for asynchronized synchronous machines using invariance theory 2−12613
three-phase wound rotor induction motor reconnected as single-phase regulator as physical realisation of theory 2−18225

machine tools
see also numerical control
automatic manipulator, linear induction motor charact. *(Russian)* 2−18228

machine tools continued
automatic punch presses for piercing of registration holes in PCBs 2−1026
CNC, diagnosis *(German)* 2−4502
CNC, Petri net anal. *(German)* 2−4514
CNC, programming *(German)* 2−4516
CNC, programming structures *(German)* 2−4513
CNC for aircraft, development *(German)* 2−4501
contouring NC, phase-locked DC servo system, processor appl. 2−13117
energy efficient motor use 2−27857
flank wear, in process measurement using fibre optic sensor *(Italian)* 2−25476
flatness control, minicomputer appl. 2−23832
gear cutting dividing train kinematic accuracy 2−4504
gear cutting kinematic accuracy calc. 2−4505
gear pitch error meas., spiral bevel type *(Chinese)* 2−16893
grinding hardened gears with a disc wheel in free rolling 2−4506
NC, electrical power demand 2−13105
NC, elements for path measuring and path control *(German)* 2−4497
NC machines setting instruments production 2−16801
optimal metal cutting machine tool spindle drive, d.c. motor control to extend constant horsepower range 2−27945
PCB automatic drill 2−19977
piercing press automation by electronic control of the rotating table *(French)* 2−23322
power capacitor appl. 2−27931
precision rotary surface grinder [semiconductor wafer grinder] for semiconductor wafers 2−9540
speed and time dependent failures 2−8307
thread rolling monitoring, using electronic instruments 2−8289
useful life of lubricating oil in metal-cutting machine tools 2−134
workpiece diameter, vibration and position sensing by laser, quality control automation 2−10395
TiN coating, high-rate cathode sputtering technology appl. 2−19435

machine windings
see also rotors; stators
condition for torque compensation of a superconducting excitation winding in high-power slow-running motors *(Russian)* 2−27892
criteria for thermal stabilization of superconducting devices 2−25467
cryoturbogenerator nonsteady-state electromagnetic field in presence of abrupt three-phase short circuit 2−27882
cryoturbogenerator windings, cooled by thermosiphon method, optimum parameter choice 2−18160
currents flowing in damper winding bars of different resistivity in a heavy duty low speed motor 2−12611
DC motor insulation, glass banding tape, UV curable 2−23312
electric machine HV winding insulation systems, technological innovations influence on design 2−4006
electric motor with spherical rotor and composite motion, construction and performance *(Polish)* 2−18234
epoxy impregnants for high-voltage appls. in machine insulation 2−23250
form wound coil production, vacuum press. impregnation, comparison with hot pressing/non-pressing techniques 2−23243
form-wound coils manufactured by vacuum press. impregnation, sleeving insulation 2−23242
generator windings for EHV operation *(German)* 2−7819
harmonic identification of general type polyphase structures-geometrical model construction *(Italian)* 2−27864
harmonic identification of general type polyphase structures-geometrical model in presence of polyphase current system *(Italian)* 2−27865
helical windings with 120 degree phase bands, mag. fields and inductances determ. 2−4024
hermetic motors, self-bonding and polyamideimide-ester magnet wire, props. 2−18151
induction motors, electrodynamic forces, mech. stresses and vibrs. in coil ends *(Polish)* 2−18232
insulation, impregnating agents for motor/transformer insulation, bond strength, test methods 2−23248
insulation, Kapton polyimide film as magnet wire and motor coil insulation 2−23246
insulation, polyamideimide resin for 200°C enamelled wire 2−18152
insulation, Stypol 83-2000 polyester insulating varnish for Class 180+ transformers, motors and coils 2−18155
large rotating machinery, high-voltage windings, insulation, high strength mica paper/epoxy resin system 2−23251
large turbine-generator, EM forces on armature end windings, steady state performance anal. 2−12588
linear induction MHD machine, drum-type windings, electrodynamic approx. 2−12923
linear induction motor 3-phase winding design 2−4156
linear induction pump for liq. metals, comparison of distributed and concentric windings 2−27920
moisture-resistant magnet wire from Phelps Dodge, appls. 2−18150
motor winding insulation failure, steep-fronted switching voltage transients meas. 2−27875
motor windings, interturn insulation stresses, steep-fronted switching voltage transients distribution tests 2−27876
rotating electrical machine HV windings synthetic-resin insulation *(German)* 2−27912
rotating electrical machines, high-voltage testing of winding insulation, test voltages, types 2−23252
sinusoidal windings for electric machine armature with rotational symmetry, determ. of number of turns on coil *(Rumanian)* 2−18165
stopping coil leakages with vacuum pressure 2−7799
surge comparison for fault diagnosis in windings 2−23235
synchronous generator stator windings performance calc. 2−4097
synchronous machine, superconducting field winding, mag. reaction field in end region 2−7826
three-phase windings, eddy current distribution in cylindrical structures caused by rotating magnetic fields 2−27877
traction motor, LV, insulation meas. using partial discharge instrum. *(Japanese)* 2−4036
turbine-generator, steady state operation, finite element anal. 2−18167
two-dimensional winding models for the calculation of magnetic fields in superconducting turbogenerators 2−23271
Si-rubber elastomers, characts. and applications *(German)* 2−25385

machines, electric *see electric machines*

machining
see also cutting; electrolytic machining; electrolytic polishing; electron beam machining; grinding; laser beam machining; spark machining
contact pressure and hole shrinkage nomogram calc. 2−23808
drilling analysis, SEM appl. 2−9313
grey iron, dust content determination 2−3637
large module gears, technical-economical effectiveness 2−4507
load current monitoring *(Russian)* 2−26930
longitudinal modification of gear teeth for electric wagon transmissions 2−19038
machining precision bores with an interchangeable boring head 2−4503
milling with rounded end mills reliability calc. 2−19037
PCB drilling energy monitor, on-line system, signal generation for corrective action 2−9315
PCB drilling technology fundamentals 2−9312
PCB laminate punchability, laboratory tests 2−14376
PCB laminate punching tests, material composition evaluation, through-hole generation mechanics 2−14458
pump impellers balance improvement 2−23809
US, state of art 2−12115

macromolecular spectra
see also spectra of organic molecules and substances
relaxation spectrum calc. via quadratic programming with and without regularisation 2−8647

magamps *see magnetic amplifiers*

Maggi-Righi-Leduc effect *see thermomagnetic effects*

magnetic aftereffect
magnetically shielded room, calc. of shielding factor *(Japanese)* 2−3258
piezomagnetic materials, internal damping and mag. permeability disaccommodation, automated recording method 2−22093

magnetic amplifiers
real losses and temperatures in magnetic amplifiers at high frequencies *(Russian)* 2−15659
transformerless-input electric power supplies, use of magnetic amps. 2−24402

magnetic anisotropy
see also induced anisotropy (magnetic)
amorphous rare earth-transition metal films with perpendicular anisotropy for bubble memories, prep. and magnetic props. 2−20546
bubble device performance, effects of material props. and overlay processing variations 2−5910
bubble devices with Permalloy overlays, magnetization processes 2−15233
calculating magnetic fields in nonlinear anisotropic media *(Russian)* 2−10419
design of three- and two-dimensional quasi-stationary and static electromagnetic fields in anisotropic multilayer cylindrical media *(Russian)* 2−2079
eigenfrequency splitting by gyrotropic sample in spherical microwave resonator 2−3263
elliptical bubbles, propag. 2−15228
ferrite-garnet film, Permaloy coatings, implanted layers, anisotropy effect on magnetisation distrib. *(Russian)* 2−1566
films, charged mag. domains walls in external fields 2−20537
garnet bubble film, ion implanted layer, mag. state, temp. depend. study 2−15151
garnet film, (111) tilted, dynamic props. of bubbles and stripes 2−15144
garnet film, ion-implanted, mag. domain struct. 2−1560
garnet film, magnetic bubble layers, influence of implantation-induced stress gradients 2−5888
garnet film, static collapse discrimination of S-0 mag. bubbles 2−20489
magnetic tape, gyromagnetic remanence and anisotropy 2−20513
magnetostrictive transducer, efficiency increase feasibility study *(Russian)* 2−20525
Permalloy lines, mag. anisotropy limiting effects 2−15222
permanent magnetic developments, review 2−5902
permanent magnets, anisotropic, force anal. 2−15104
rare earth-transition metal alloys, uniaxial ferromags., review 2−15109
rock, gyromagnetic remanence and anisotropy 2−20513
soft magnetic materials development, mag. anisotropy and magnetistriction meas. 2−15102
stator tooth geometry influence on development of noise-generating magnetic force waves 2−4032
Ba ferrite films with perpendicular mag. anisotropy, DC sputtering prep. 2−13835
Co-Cr films for perpendicular mag. recording, opposing targets sputtering deposition 2−13834
Co-Cr films with perpendicular magnetic anisotropy, RF sputtering prep., coercivity and X-ray orientation 2−15126
Co-Cr perpendicular recording medium by vacuum deposition, mag. and struct. props. 2−15127
$CoFe_2O_4$, epitaxial growth on acicular γ-Fe_2O_3 particles, coercivity, temp. depend. 2−20486
ErIG, mag. props. in high mag. fields up to 150 kOe 2−9852
Fe-Pd (18 to 52.5 at.%) alloy, mag. props., by mag. meas. and X-ray diffr. 2−9866
Fe-Si-Al single crysts., mag. props. near Sendust comp. 2−15124
Li-Zn-Co ferrites, mag. anisotropy anomaly due to Co, permeability meas. 2−15158
$SmCo_5$ sintered mag. alloys, domain wall pinning and nucl., mag. viscosity obs. 2−15132
$(Y, Gd, Sm, Tm)_3(Fe, Ga)_5O_{12}$, garnet films, grown from PbO-B_2O_3 flux, growth conditions influence on props. 2−13818
$(YBi)_3(FeGa)_5O_{12}$ garnet LPE film, mag. props. 2−20490
YIG epitaxial layers, magnetostatic waves anisotropic propag., expt. and computer simulation 2−15153
$(YTmBi)_3(FeGa)_5O_{12}$, garnet LPE film, mag. props. 2−20490

magnetic annealing
see also induced anisotropy (magnetic)
Fe-B-C-Si, amorphous low core loss materials, comp. and heat treatment 2−15133

magnetic bays *see geomagnetic variations*

magnetic bottles
see also magnetic mirrors
Sm-Co permanent magnets, hexapolar mag. configurations *(French)* 2−1576

magnetic bubble devices
see also magnetic bubble memories
bubble propagation pattern model, minimum domain configurations 2−1583
capping walls and self-bias in small-bubble materials 2−15146
chevron expander stacks, performance characts. 2−1584
computer program for field modelling of bubble devices 2−1586
contiguous disc devices, charged mag. domain walls in external fields 2−20537
contiguous disk devices, bubble states study 2−9868
contiguous disk ion implanted devices, performance 2−1581
current access, perforated-sheet, miniaturisation to 0.2 μm 2−15226
current access propagate circuits, numerical simulation 2−15227
current accessed devices, performance 2−1582
current assisted dual conductor device, computer simulation 2−15225
deuterium implantation for contiguous bubble devices 2−1587
dual conductor current access test circuits, propag. of mag. bubbles 2−20548
foil-coil bubble package, rotating mag. field 2−9874
ion implantation in microelectronics, bibliography 2−23878
ion implantation technology, mathematical model of bubbles inside ion-implanted channels 2−20529
ion implanted bubble device with 4 μm period, development 2−15229
ion implanted materials, strain distrib. modelling 2−1589
magnetics, conference, Grenoble, France (May 1981) 2−13141
package, full-access coil form 2−20539
performance, effects of material props. and overlay processing variations 2−5910
Permalloy bubble propag. struct., stray mag. field meas. 2−20538
Permalloy overlays, magnetization processes 2−15233
Permalloy overlays, remanent states formation 2−15223
planar bubble devices, fabrication by single lithographic exposure 2−9877
shift register propag. of elliptical mag. bubbles 2−15228
space pinholes, effects on pot. field 2−15224
spu-chem etching technique for submicron patterns delineation 2−9584
staggered ratchet-shaped propagation patterns for contiguous-disk magnetic bubble devices 2−5907
$(YSmGdR)_3(GaFe)_5O_{12}$ (R=Tm, Yb, Lu), single layer LPE films for 1 μm diameter bubble ion implanted contiguous disc devices 2−1564

magnetic bubble memories
1/2 n lg n time sorting algorithm in magnetic bubble memory and switching technique 2−9878
amorphous rare earth-transition metal films with perpendicular anisotropy for bubble memories, prep. and magnetic props. 2−20546
application considerations, nonvolatility, reliability and fast access times 2−1579
assembly technique with built-in substrate tilt 2−1588
ATE/ground support equipment, bubble technology appl. 2−22706
bias field structure without faceplates 2−5909
coil drive circuit power losses, comparison of linear resonant and switched circuits 2−20535
comparator for associative research 2−9873
comparison of main types of integrated memory stores *(French)* 2−19672
contiguous disc bubble domain transfer switches 2−9871
contiguous disk ion implanted devices, performance 2−1581
contiguous disk technology for high density bubble memories 2−20543
detectors, S/N ratio, shape anisotropy effects 2−15221
development and trends in memory technology 2−1590
digital system appls. 2−5911
direct-access storage device arm buffers 2−15008
dual conductor current-access test circuit, magnetic bubble propagation results 2−20545
electron-beam negative resists, postirrad. polymerization, theory, inhibition 2−20541
electronic dictionary, Chinese/English/French, Chinese character generation, bubble memory device 2−20536
fat L bubble switch, use as write and read switch 2−9870
flexible mag. bubble simulation, memory chip application 2−1585
future market development 2−1591
handbook of semiconductor and bubble memories 2−23882
high frequency magnetic bubble devices 2−20544
introduction to bubble stores, physics, technology, memory appls. *(German)* 2−20530
ion implanted, process, design and charact. 2−15230
ion implanted magnetic bubble devices, review 2−20542
ion-implanter for 'hard' bubble elimination 2−5913
magnetic domain storage principles 2−5912
major/minor loop memory, structure for instantaneous deletion of records 2−9872
major/minor loop organisation, dump loop feature 2−9875
microcomputer memories, beginner's guide 2−14092
NMOS comparator, for bubble memories 2−20531
number representation converter for magnetic bubble string comparator 2−14273
package, bobbin design 2−1592
peripheral circuits, some considerations 2−20547
Permalloy bubble detectors, magnetoresistive, noise anal. 2−15220
Permalloy lines, mag. anisotropy limiting effects 2−15222
quadrupole magnetic bubble domain storage 2−15231
quick exit path feature 2−9876
relational database management magnetic bubble memory structures 2−1580
software interfacing 2−25440
stand-alone magnetic bubble memory based on TIB0203 module, 92 Kbyte of storage 2−20528
synthetic block-replicate bubble memory organisation 2−20533
T-bar toggle switch, for bubble domain transfer between shift registers 2−9869
technology and appls. 2−15232
true swap gate for on chip cache organisation 2−20532
wall-coded information readout in bubble memories with resonance 2−9879
zero bit insertion on chip without loss in capacity, minor loop grouping into mini-blocks 2−5908
AlCu films for bubble memories, defect-free pattern definition 2−20540
Cu-Al/garnet interface bubble memory device, generate threshold amplitude 2−20534

magnetic bubble memories continued
$(Y, Gd, Sm, Tm)_3(Fe, Ga)_5O_{12}$, garnet films, grown from $PbO-B_2O_3$ flux, growth conditions influence on props. 2−13818
$(YSmLuCa)_3(FeGe)_5O_{12}$ bubble epitaxial layers, neutron and γ-irrad., mag. props. 2−15219

magnetic bubbles
see also magnetic bubble devices
dual conductor current access test circuits, propag. of mag. bubbles 2−20548
elliptical bubbles, propag. 2−15228
garnet bubble film, ion implanted layer, mag. state, temp. depend. study 2−15151
garnet film, (111) tilted, dynamic props. of bubbles and stripes 2−15144
garnet film, domain wall widening in high drive fields 2−15145
garnet film, domain-wall vibrs. 2−15141
garnet film, ion-implanted, mag. domain struct. 2−1560
garnet film, magnetic bubble layers, influence of implantation-induced stress gradients 2−5888
garnet film, static collapse discrimination of S-0 mag. bubbles 2−20489
garnet films, implanted bubble, dynamics of formation of statically stable 2Π Bloch lines 2−15143
interaction with elastic shock waves induced by laser pulse 2−15148
ion implanted materials, strain distrib. modelling 2−1589
magneto-optical readout head, high freq. response 2−15197
propagation pattern model, minimum domain configurations 2−1583
small-bubble materials, capping walls and self-bias 2−15146
stationary motion of bubble domain, contraction of wall thickness 2−15147
$Eu_{0.6}Y_{2.4}Ga_{1.26}Fe_{3.74}O_{12}$ film, nondestructive sensing of wall-state transition 2−1561
$(Sm,Lu,Ca)_3(Si,Lu,Fe)_5O_{12}$ film, domain wall motion, magnetisation and comp. depend. 2−15160
$(Y,Eu,Tm,Sm,Ca)_3(Fe,Ge)_5O_{12}$, epitaxial ferrite garnet film, domain wall mobility 2−5889
$(Y,Sm,Ca)_3(Ge,Fe)_5O_{12}$ film, domain wall motion, magnetisation and comp. depend. 2−15160
$(Y,Sm)_3(Fe,Ga)_5O_{12}$, epitaxial ferrite garnet film, domain wall mobility 2−5889
$(YBi)_3(FeGa)_5O_{12}$ garnet LPE film, mag. props. 2−20490
$(YSmLuCa)_{3-x}Gd_x(FeGe)_5O_{12}$ garnet film, bubble collapse field, zero temp. coeff. 2−20487
$(YTmBi)_2(FeGa)_5O_{12}$ garnet film, (110)-oriented, controlled generation and conversion of wall coded mag. bubbles 2−15142
$(YTmBi)_3(FeGa)_5O_{12}$, garnet LPE film, mag. props. 2−20490

magnetic circuits
see also transformer magnetic circuits
3-phase, digital model for magnetic circuit design and optimisation calcs. *(Rumanian)* 2−27914
air gap effects, investigated through frequency response of coil embedded in solid iron slot 2−9252
anisotropic and nonlinear, finite element analysis 2−21061
axial induction motor, EM field and energy losses in ferromagnetic bed, calc. *(Russian)* 2−7837
current transformers with magneto-dielectric magnetic circuit, bus-type, performance anal. *(Russian)* 2−27954
DC motors, annular permanent magnet, demagnetising stability 2−18269
DC traction machines, noncompensated, magnetic circuit stray losses calc. *(Polish)* 2−4215
electric circuit fundamentals, book 2−13199
electron lenses for HV microscopes 2−2088
finite magnetic circuits method and its application 2−21024
inductor motor, with permanent magnet rotor, air gap distribution 2−12627
linear step motors, magnetic ccts. design 2−23318
mechanical characteristics of series-excited pulse-fed motors allowing for saturation of the magnetic circuit *(Russian)* 2−18264
reluctance machines, convertor-fed, direct simulation using magnetic equivalent circuits 2−12630
switched-mode power conversion, topologies, magnetics and control, tutorial review 2−12721
synchronous generator, nonsalient pole, three-phase *(Croatian)* 2−4053
three-dimensional mathematical model of a linear asynchronous motor with a magnetic circuit in the form of a parallelepiped *(Russian)* 2−7873
torsional vibration pickups natural period lengthening magnetic device *(Japanese)* 2−22718

magnetic clutches *see clutches*

magnetic cooling
adiabatic demagnetization refrigerator for infrared bolometers 2−26862
refrigeration prototype tests for superconducting technological appls. in power generation and transmission 2−17744

magnetic core stores
labelling of moving items, mag. method 2−15203

magnetic cores
autoparametric systems with longitudinal and orthogonal magnetic field, generalised equations *(Russian)* 2−20517
axial flux linear induction motors, rotor core flux densities, meas. and calc. 2−12665
calculation of principal parameters of coils with ferromagnetic cores allowing for nonsinusoidal behaviour of parameters *(Russian)* 2−971
causes for disruption of equilibrium stability of hydroelectric generator cores 2−18170
construction of power transformers *(Hungarian)* 2−23349
continuous high mag. field generation using water-cooled and hybrid magnets 2−15279
differential transformer core for ground fault circuit interrupters 2−17772
effect of eddy currents on transients in devices with annular cores made from ferromagnetic strip, calc. *(Russian)* 2−1575
electromagnetic and thermal processes in a turbogenerator stator core with shorting of active steel laminations 2−4033
ferrite materials characts. for switched mode power supplies 2−24394
ferromagnetic-core design and appl., book 2−4571
fluxgate magnetometer with two 6-81 Mo permalloy core sensor 2−9864
helical coaxial cables having ferrite magnetic core for MW-band communication *(Japanese)* 2−14327
hysteresis loops phenomena by locking AC elec. core-current to drive 2−15204
metallic glass production techniques for power transformer cores 2−23335
nonlinear three dimensional magnetic vector potential finite element solution of field problems including experimental verification 2−20516

magnetic cores continued
power transformer core support strips, stray field induced losses and local temp. rises *(Polish)* 2−18298
resonant magnetic probes, narrowband, inductance optimisation of induction transducers with ferromag. cores *(Russian)* 2−22254
ring wound transformer cores *(Croatian)* 2−23341
soft non-iron based alloys, properties and applications *(Czech)* 2−25419
tape wound cores, 3% Si-Fe, dynamic flux reversal mechanism 2−9863
transformer core amorphous magnetic alloy development 2−18303

magnetic devices
see also clutches; ferrite devices; magnetic amplifiers; magnetic lenses; magnetic thin film devices; magnetostrictive devices
analysis of magnetic system filled by ferrous liquid *(Russian)* 2−21060
bearings, moving parts in space support appl. 2−3550
brush developer, developer mechanism on developing powder fatigue and reproduced image quality *(Japanese)* 2−15629
brush development, two-component analysis *(Japanese)* 2−15628
crystals, magnetically ordered, use to detect weak signals 2−25441
cylindrical mag. suspension, levitation end effects 2−25898
effect of eddy currents on transients in devices with annular cores made from ferromagnetic strip, calc. *(Russian)* 2−1575
electromagnetic solid state switch based on Hall effect and mag. cct. 2−19915
flaw detection, ferromagnetic resonance, using eddy current detector 2−11452
force transducer using amorphous magnetic ribbon cores 2−22244
high speed magnetic printer, performance 2−15670
induction magnetic probes, parameter change estimation at liquid N_2 temp. *(Russian)* 2−20551
interactive CAD, review 2−20492
magnetodielectric materials, device for magnetic investigation *(Bulgarian)* 2−5890
magnetographic copier−duplicator with interface for intelligence 2−15672
magnetography, process speed and print quality capabilities 2−15669
magnetography, review of devices and future potential 2−15668
microwave and optics components, CAD and materials technology, review 2−14295
nonimpact printing technologies, conf., Venice, Italy (June 1981) 2−18860
planar transistor mag. induction transducers 2−22243
resonant magnetic probes, narrowband, inductance optimisation of induction transducers with ferromag. cores *(Russian)* 2−22254
sensor, contactless, based on Wiegand effect *(German)* 2−3110
Space Shuttle, Magnetic suspension isolation [Space Shuttle] 2−17492
suspension devices using superconducting transformers *(Russian)* 2−20550
torsional vibration pickups natural period lengthening magnetic device *(Japanese)* 2−22718
vibration detector for inspecting vacuum in cans packed in cardboard boxes *(Japanese)* 2−16933

magnetic dipoles *see magnetic moments*

magnetic disaccomodation *see magnetic aftereffect*

magnetic disc and drum storage
AC bias recording, comparative aspects 2−20503
call charge accounting in a PBX 2−2620
developments by IBM, review 2−20495
disc cartridge and drive, design 2−5899
disc file manufacturing innovations, review 2−20499
disc file technology development, review 2−20496
discrete magnetic tracks in storage disks 2−25434
disk controller selection criteria 2−15164
disk file servo system, 2000 tracks/inch, using magnetoresistive head 2−15176
diskette storage, technology and basic principles *(Spanish)* 2−20512
floppy disc drive design guidelines 2−25438
floppy disk drives, technology review 2−15162
Grundig 2000 video recorder, redesigned for stereo sound *(German)* 2−26644
hard discs, using interlaced servo positioning *(French)* 2−9859
head position recalibration for storage disc drive 2−25431
head-positioning system using buried sensors 2−15174
IBM diskette and diskette drive, review 2−20498
linear feedback load cell for magnetic disc and recording heads 2−25433
magnetic recording on discs and tapes, anal. by Preisach's method *(Russian)* 2−9857
magnetic recording techniques for buried servos 2−15175
margin analyser for disk and tape drives 2−20505
mass storage for micros and minis, $5^1/_4$ inch Winchester drive *(German)* 2−20493
Mavica reflex camera using magnetic disc storage *(German)* 2−20494
micro-data technology, hard disc storage *(French)* 2−9858
microprocessor systems, external mass storage peripherals *(German)* 2−5891
multi-level encoding, anal. 2−25426
recording, digital system, detection window and lineal transition density 2−20507
reverse burnishing of magnetic disks 2−5893
ternary 3PM magnetic recording code and system 2−25425
Winchester disk drives and backup technologies 2−15163
Co-Cr sputtered layered media, optimisation for areal density 2−15194
γ-Fe_2O_3 thin film mag. discs prepared by reactive sputtering, effects of substrate revolution 2−9880
γ-Fe_2O_3:Ti(Co), sputtered double-layer disk, mag. props., recording characts. 2−15196
Ni-Co thin film magnetic recording disc, head/disc interface wear, impact deformation obs. 2−20502

magnetic disc storage *see magnetic disc and drum storage*

magnetic domain walls
bubble devices with Permalloy overlays, magnetization processes 2−15233
bubble memories with resonance, wall-coded information readout 2−9879
bubble propagation pattern model, minimum domain configurations 2−1583
ferrite-garnet film, Permaloy coatings, implanted layers, anisotropy effect on magnetisation distrib. *(Russian)* 2−1566
ferrites, soft, press. effect on magnetisation mechanisms 2−15157
films, charged walls in external fields 2−20537
garnet film, domain-wall vibrs. 2−15141
garnets, implanted, charged walls 2−9854
steel, low C, study of mag. ageing kinetics 2−15121
tape wound cores, 3% Si-Fe, dynamic flux reversal mechanism 2−9863

magnetic domain walls continued
$Eu_{0.6}Y_{2.4}Ga_{1.26}Fe_{3.74}O_{12}$ film, nondestructive sensing of wall-state transition 2−1561
Fe-Si (3 wt.%), energy loss anomaly study 2−15113
Fe-Si (3 wt.%), grain oriented, effect of tensile stress on domain wall motion and wall bowing 2−15117
Fe-Si (3 wt.%), grain oriented, effects of surface coatings on domain struct. 2−15120
Fe-Si (3 wt.%), with (110) surface, domain wall angles, stress effects 2−15119
Fe-Si amorphous ribbon materials, causes of anomalous loss 2−15111
$(Sm,Lu,Ca)_3(Si,Lu,Fe)_5O_{12}$ film, domain wall motion, magnetisation and comp. depend. 2−15160
$SmCo_5$ sintered mag. alloys, domain wall pinning and nucl., thermal activation and coercive field 2−15131
$SmCo_5$ sintered mag. alloys, domain wall pinning and nucl., mag. viscosity obs. 2−15132
$TmFeO_3$, domain wall motion *(Russian)* 2−25422
$(Y,Sm,Ca)_3(Ge,Fe)_5O_{12}$ film, domain wall motion, magnetisation and comp. depend. 2−15160
$(YBi)_3(FeGa)_5O_{12}$ ferrite garnet epitaxial film, domain wall reson. obs. 2−20491
$YFeO_3$, domain wall motion *(Russian)* 2−25422
$Zn_xCu_{0.1}Fe_{2.9-x}O_4$, (x=0.3, 0.4, 0.5) polycrystalline ferrites, initial permeab. and var. of magnetisation with Zn content 2−9855

magnetic domains
see also magnetic bubbles; magnetic domain walls
amorphous mag. materials, domain pattern meas. using C-CD image sensor 2−22366
ferrite-garnet film, Permaloy coatings, implanted layers, anisotropy effect on magnetisation distrib. *(Russian)* 2−1566
garnet film, (111) tilted, dynamic props. of bubbles and stripes 2−15144
magnetic field distribution in two dimensional domains in nonlinear and anistropic media determination by finite element analysis *(Italian)* 2−10420
Permalloy overlays, remanent states formation 2−15223
Fe-Pd (18 to 52.5 at.%) alloy, cold drawn, mag. props., by mag. meas. and X-ray diffr. 2−9866
Fe-Si (3 wt%) sheets, grain oriented, remanence theory in presence of external stresses 2−15115
Fe-Si (3 wt.%), domains struct. and EM losses at high induction amplitudes 2−20515
NiFe chevron elements, 90° symmetrical, magnetisation processes and distrib. 2−15123
T-M amorphous alloys, T-Fe, Co, Ni and M=B, C, P, ferromagnetic glasses study 2−5885

magnetic double refraction *see magneto-optical effects*

magnetic double resonance
see also nuclear polarisation
No entries

magnetic drum storage *see magnetic disc and drum storage*

magnetic epitaxial layers
garnet, bubble device performance, effects of material props. and overlay processing variations 2−5910
$CoFe_2O_4$, epitaxial growth on acicular γ-Fe_2O_3 particles, coercivity, temp. depend. 2−20486
$Gd_3Ga_5O_{12}$ LPE growth and dissolution, physical chem. of garnet molten solns. 2−24301
$(Y,Eu,Tm,Sm,Ca)_3(Fe,Ge)_5O_{12}$, epitaxial ferrite garnet film, domain wall mobility 2−5889
$(Y,Sm)_3(Fe,Ga)_5O_{12}$, epitaxial ferrite garnet film, domain wall mobility 2−5889
$(YBi)_3(FeGa)_5O_{12}$ ferrite garnet epitaxial film, domain wall reson. obs. 2−20491
$(YBi)_3(FeGa)_5O_{12}$ garnet LPE film, mag. props. 2−20490
YIG epitaxial layers, magnetostatic waves anisotropic propag., expt. and computer simulation 2−15153
YIG epitaxial layers, Xe^+ irrad., magnetisation, Faraday rot. and FMR linewidth 2−15156
YIG epitaxial layers, magnetostatic wave devices 2−15216
YIG epitaxial layers, magnetostatic forward volume wave reflective dot arrays 2−15217
$(YSmGdR)_3(GaFe)_5O_{12}$ (R=Tm, Yb, Lu), single layer LPE films for 1 μm diameter bubble ion implanted contiguous disc devices 2−1564
$(YSmLuCa)_3(FeGe)_5O_{12}$ bubble epitaxial layers, neutron and γ-irrad., mag. props. 2−15219
$(YSmLuCa)_{3-x}Gd_x(FeGe)_5O_{12}$ garnet film, bubble collapse field, zero temp. coeff. 2−20487
$(YTmBi)_3(FeGa)_5O_{12}$, garnet LPE film, mag. props. 2−20490

magnetic field effects
see also biomagnetism; galvanomagnetic effects; magnetic levitation; magnetic properties of substances; magnetic separation; magneto-optical effects; magnetoacoustic effects; magnetocaloric effects; magnetoelectric effects; magnetohydrodynamics; magnetomechanical effects; particle optics; thermomagnetic treatment
charged particles stream deformation in magnetic screen field 2−10429
electrical machine design using finite elements 2−18176
free electron lasers collective-interactions, mag. field effects at millimetre wavelengths 2−25658
gas laser, two-mode, with phase anisotropy in const. mag. field 2−1890
penetration of an impulsive magnetic field into a ferromagnetic plate *(Russian)* 2−10424
proximity meas. to conducting samples, using eddy-current gauges, influence of DC magnetic field 2−7212
semiconductors, conference, Hakone, Japan (Sept. 1980) 2−13151
slowly varying magnetic field, produces white-noise type pick-ups 2−22041
space charge waves, in rotating electron beams with magnetic interaction 2−21035
steam boiler supply water EM filtering *(Rumanian)* 2−12461
thin plates, eddy current induced by time-harmonic mag. field 2−2080
transverse-current inductive MHD machines, magnetic field effects 2−12922
GaAs:Cr diodes, current-voltage chracts., mag. field influence 2−5718

magnetic field measurement
see also field plotting; fluxmeters; magnetometers
dual-coil method, for pulsed magnetic field, gradient distrib. meas. *(Chinese)* 2−22362
fast field mapping device for cyclotron magnets 2−3251

magnetic field measurement continued
geomagnetic field, using proton precession magnetometer based on principle of NMR *(Chinese)* 2−22713
Hall effect, introduction and applications *(French)* 2−5717
Hall effect probes and their use in a fully automated magnetic measuring system 2−3253
hysteresis loop tracer, low freq., for amorphous ribbons 2−22368
isotropic pattern antennas, synthesized, for EM field meas. 2−21234
magnetic field-strength meter, design and performance evaluation *(Russian)* 2−22305
magnetic hand yoke for magnetic particle inspection *(German)* 2−5044
magnetic induction meter, performance evaluation *(Russian)* 2−22306
magnetometry, review 2−22367
new method and device for investigating magnetic fields in miniature electric machines 2−3137
NMR magnetometer using flowing water *(Chinese)* 2−17107
particle spectrometer magnet, mag. field mapping, search coil method 2−11592
plasmomagnistor, semiconductor device, mag. field probe 2−7088
polar coordinate measuring system for ISR axial field spectrometer magnet 2−3252
sectorial electromagnets, leakage flux effects in mag. field inhomogeneities 2−7197
sensor, contactless, based on Wiegand effect *(German)* 2−3110
superconducting magnets for high energy accelerators, harmonic meas. 2−3327
topography of the field of residual magnetization and its gradient in impulse-local magnetization 2−3259
TV deflection coil magnetic field measurement, using P855 minicomputer 2−17109
Nb_3Sn superconducting tape, self-magnetic field measurements *(Slovak)* 2−5914
Si magnetic-field-sensitive multicollector n-p-n transistors 2−20236

magnetic field variations, earth *see geomagnetic variations*

magnetic fields
see also electromagnetic fields; geomagnetism; interplanetary magnetic fields; magnetic field effects; magnetic field measurement; superconducting critical field
air-gap field in skewed cage induction motors *(Hungarian)* 2−12637
alternators, MF, precise permeance calculation methods 2−27900
asynchronous performance of a modern reluctance machine 2−23281
autoparametric systems with longitudinal and orthogonal magnetic field, generalised equations *(Russian)* 2−20517
(B,H) stationary fields without source and null boundary conditions in non-linear media, existence, uniqueness and stability theorems 2−21009
calculating magnetic fields in nonlinear anisotropic media *(Russian)* 2−10419
coefficients of the magnetic field in the air gap of an electric motor with bilateral denting *(Russian)* 2−7798
computation of a DC brushless motor with rare-earth cobalt magnets and controlled power electronics 2−4221
computation of the magnetic field and of the thrust of the linear synchronous motor with ferromagnetic poles *(Russian)* 2−7874
computation of the magnetic field in the active zone of the axial induction machine with constant magnets in the grooves of the inductor *(Russian)* 2−7838
conducting disk and thin plate, EM behaviour in alternating magnetic field *(German)* 2−15612
continuous high magnetic field production, review of devices *(Chinese)* 2−21058
cylindrical magnetic separator, calculation of magnetic induction components 2−10451
diecast aluminium, skewed, interbar voltage and magnetic field calcs. 2−12652
distribution in two dimensional domains in nonlinear and anistropic media determination by finite element analysis *(Italian)* 2−10420
eddy currents, in conducting circular disc and thin plate in homogeneous magnetic field *(German)* 2−15613
EHV lines, current meas. using magnetosensitive elements 2−3805
electric machines, mag. fields, permanent magnet effect, vector pot. finite element anal. 2−15208
electrical machine, magnetic fields determ. 2−4023
electron lenses and electromagnets, finite element anal. for mag. field distrib. calc. 2−2087
electron lenses for HV microscopes 2−2088
explosive flux compression generation of high mag. fields 2−15673
external magnetic field of an electrical machine, determ. 2−12598
ferromagnetic plate in homogeneous nonsinusoidal field magnetisation reversal calc. 2−21025
FEU-49B photomultiplier, protection from terrestrial mag. field 2−14253
finite magnetic circuits method and its application 2−21024
fluid seals for rot. shafts, finite element anal. 2−15235
Fourier analysis of linear induction pumps/ with concentric windings/ and infinite arrays/ 2−4157
free electron laser, magnetic diffusive wiggler pump, spatially periodic 2−1824
free electron laser instability for relativistic annular electron beam propag. through helical wiggler field 2−20778
free-electron-laser in uniform magnetic field, soln. for arbitrarily strong EM radiation fields 2−25650
gyrotron oscillators, efficiency enhancement using profiled mag. fields 2−20027
head, perpendicular, mag. field, exact soln. using conformal mapping 2−15189
helical windings with 120 degree phase bands, mag. fields and inductances determ. 2−4024
Herzenberg model, mag. field generator, orientation condition 2−21027
high coercivity Fe alloys, hysteresis curve, math. model *(Russian)* 2−1559
homopolar linear synchronous permanent magnet motor finite element model 2−12615
homopolar linear synchronous permanent magnet motor finite element model 2−12616
homopolar machine, magnetic field in end zone 2−12660
HV lines current meas. using their magnetic fields *(Russian)* 2−3804
induced eddy currents, in circular disc and rectangular cylinder of finite height, placed in magnetic field *(German)* 2−15610
induction motor magnetic field distribution, computerised analysis *(Korean)* 2−12643
induction motors, mag. field curve deformation in air-gap and magnetising current *(Polish)* 2−18231

magnetic fields continued
induction motors, polyphase and single-phase, calc. using finite element anal. 2−18251
inductor motor, with permanent magnet rotor, air gap distribution 2−12627
investigation of the magnetic field of the armature reaction and the thrust of the linear synchronous motor with ferromagnetic poles *(Russian)* 2−7875
large filter reactor controlled by transverse magnetic bias, design and characts. 2−7898
leaky waves supported by wire grid above a reactive surface 2−2204
linear induction motor, field calc. by integral eqn. 2−2078
linear induction motor air gap partial differential equations model 2−4152
linear induction motor partial differential equation model 2−4153
linear induction motor short-primary unbalanced terminal voltage and currents model 2−4160
linear induction motor unbalanced 3-phase voltage Fourier transform model 2−4155
linear induction motor with U-shape secondary, finite difference model 2−12649
linear magnetostatic U-shaped systems, anal. calcs. 2−10421
linear squirrel cage motor, single side, magnetic field calc. partial differential equation model 2−4161
linear synchronous homopolar motor finite element model 2−12618
linear synchronous motor, finite difference model 2−12619
linearinduction motor with solid iron back yoke and variable freq. drive, magnetic field calc. model 2−4154
MAGHILL program to compute saturated iron insert fields 2−3342
magnetostatic Poisson's eqn., two-dimens., hybrid finite element-boundary integral soln. 2−15606
magnetostatics, finite element three dimensional magnetic field computation 2−15607
many rectangular cylindrical conductors, expressions for current distribution and losses *(German)* 2−24725
megagauss field generation by EM flux compression 2−15674
MM wave emission, from intense relativistic electron beams in uniform and rippled magnetic fields 2−14580
modal expansion in a waveguide, contribution of the ψ=constant mode 2−2176
motion measurement with the magnetic field sensor *(German)* 2−16931
multisegment ring magnet, multipole field calc. *(Chinese)* 2−22465
nonlinear, nonhomogeneous media neglecting eddy currents, computation by numerical method, power transformer appl. 2−18291
nonlinear three dimensional magnetic vector potential finite element solution of field problems including experimental verification 2−20516
number theory appl. to field calculations *(Chinese)* 2−21022
one-dimensional eddy current problem, considering variable permeability and various boundary conditions *(German)* 2−15611
permanent magnet machines, mag. fields, three-dimens. finite element soln. 2−15207
permanent magnet motor numerical magnetic field anal. using finite elements 2−23263
permanent magnets, two dimensional domains in nonlinear and anisotropic media, mathematical expression based on model *(Italian)* 2−5903
permanent rare-earth magnet air turbogenerator, design and performance prediction 2−18175
PM synchronous machine, electronically operated, magnetic field model 2−4061
problem of shielding of the magnetic field of axisymmetric inductors 2−24746
propulsion/levitation linear synchronous motor, differential equations model 2−12617
pulsed, suppression of EMI in solid state expts. *(Japanese)* 2−21119
pulsed magnetic field generator, thyristor system *(Polish)* 2−12718
recording head, array, nonlinear mag. field, finite element anal. 2−25424
scalar potential method for the calculation of the magnetic field in the automotive alternator 2−4106
semiconductor plates in cross-magnetic field, Van der Pauw's relation's validity for electrical resistivity determ. *(Rumanian)* 2−20052
shield, multilayer cylindrical, mag. field calc. 2−15730
single-phase line with separate shielding of conductors, electromagnetic field anal. 2−21028
smoothing reactors, open-care-type, magnetic field distribution calc. using demagnetising factor method 2−7895
solenoid, rectangular cross-section, mag. field calc. in the bore 2−25915
squirrel cage induction machine, magnetic field, eddy current contrib. 2−23300
squirrel cage motor, magnetic field analysis 2−12641
static saturated fields, anal. and control *(Chinese)* 2−21023
stationary, cylindrically-symmetrical, determ. by reduction to 2-D Cartesian field problem 2−21026
stationary fields without sources in nonlinear media, existence and stability theorems 2−21010
stereographic display on three dimensional magnetic fields of electromagnetic machines 2−12577
submerged-arc strip surfacing with magnetic arc control 2−28292
superconducting, magnetic field calc. 2−7833
superconducting alternator magnetic fields calc. 2−4076
superconducting generator magnetic fields calc. 2−4074
surface current-carrying equilibrium toroidal plasma, structure 2−6298
synchronous machines, non-salient pole, electromagnetic wave propagation calc. in slots with flat conductors 2−27898
synthesis of magnetic systems using permanent magnets and piece parts with fixed permeability *(Russian)* 2−20520
three-phase windings, eddy current distribution in cylindrical structures caused by rotating magnetic fields 2−27877
time dependent 2D mag. fields, numerical anal. 2−15608
transformer windings hoop stress distribution under radial short circuit forces 2−27977
turbine-generator, steady state operation, finite element anal. 2−18167
turbogenerator slot leakage inductances numerical calc. model 2−4093
two-dimensional winding models for the calculation of magnetic fields in superconducting turbogenerators 2−23271
vector analysis in general curvilinear coordinates. On the magnetic field in plasma confinement *(Japanese)* 2−4707
wound rotor induction motor, flux density distribution 2−4197
Fe effects on toroidal conductor, magnetostatic field calcs. 2−15609
Nb_3Sn superconducting tape, self-magnetic field measurements *(Slovak)* 2−5914

magnetic film stores
see also magnetic bubble devices; plated wire stores
amorphous magnetic film erasable optical disc memory with laser diode 2−11252

magnetic films *see magnetic thin films*

magnetic fluids
colloidal solutions of magnetite as separation medium for nonferrous materials 2−4562
ferromagnetic, mag. props. and appls. 2−15122
ferromagnetic liquid insulation, spatial distrib. of quantum parameters 2−15076
seals for rot. shafts, finite element anal. 2−15235
CrO_2 particulate coating stabilised with isocyanate crosslinking agent, addition of urethane to form mag. ink 2−20485
CrO_2 particulate magnetic coating, isocyanate crosslinking agent, urethane polymer addition to form mag. ink 2−20484

magnetic flux
see also flux creep; flux flow; flux-line lattice; flux pinning; fluxmeters; skin effect
analysis of magnetic fluxes of tubular cylindrical permanent magnets *(Russian)* 2−25439
analysis of magnetic system filled by ferrous liquid *(Russian)* 2−21060
axial flux linear induction motors, rotor core flux densities, meas. and calc. 2−12665
concentrating device for high intensity pulsed field generation 2−6302
cylindrical magnetic separator, calculation of magnetic induction components 2−10451
design of linear induction motors with transverse closure of the magnetic flux *(Russian)* 2−18275
eddy currents in cylindrical shell, field distribution due to axial currents 2−21030
EM field solution by network method, expt. verification 2−6301
explosive flux compression generation of high mag. fields 2−15673
homopolar, principles and construction, armature slot geometry and magnetic flux and flux linkage charact. *(German)* 2−27934
impact of slot harmonics on losses of high-speed permanent magnet machines with a magnet retaining ring 2−23272
induction motor, shaded poles, stator mag. flux, vector diagram 2−4136
inductor motor, with permanent magnet rotor, air gap distribution 2−12627
Josephson circuits, reduction of trapped magnetic flux in a superconducting groundplane 2−15251
Josephson junction, long, fluxon interaction 2−1620
Josephson line, fluxon reflection from perturbative point of view 2−20568
machine flux penetration into saturating steel, in presence of transverse fields 2−12590
magnetometer calc., flux-gate, excited by square-wave generator *(Chinese)* 2−17105
megagauss field generation by EM flux compression 2−15674
microwave magnetometer, fluctuations as basis for quantum transformer of magnetic flux *(Russian)* 2−27264
multistacked permanent magnet generators−the relation between output and magnet characteristics 2−18215
optimal tracking of the dynamic performance of an induction machine 2−27917
permanent magnet synchronous doubly-salient couplers, charact. prediction 2−12629
power transformer design using equivalent π-circuit *(Spanish)* 2−27982
rapid transmit systems, dynamic behaviour of controlled permanent lift magnets *(German)* 2−23681
reluctance actuator operating through a thick casing 2−12755
rotor-pole interaction, mechanical vibration excited, fluctuations 2−12655
small electric machines design and anal. techniques applications for small aircraft 2−13649
smoothing reactors, open-care-type, magnetic field distribution calc. using demagnetising factor method 2−7895
SQUID, signal characteristics 2−1625
SQUID signal to noise ratio, limiting charact. 2−1626
SQUIDs, DC tunnel, critical current versus magnetic flux characteristics 2−1622
squirrel cage induction motor teeth, Fe losses 2−23299
squirrel-cage induction motors, basic voltage and torque eqns., allowing for all MMF and permeance harmonics 2−27902
stereographic display on three dimensional magnetic fields of electromagnetic machines 2−12577
superconducting thin film, SQUID magnetometer appls. *(Japanese)* 2−5942
switch operation in transformer-type current limiting device for power transmission line 2−27576
tape recording, short wavelength, flux distrib., MAGGY2 computer program calc. 2−20509
tape wound cores, 3% Si-Fe, dynamic flux reversal mechanism 2−9863
Fe-B-C-Si, amorphous low core loss materials, comp. and heat treatment 2−15133

magnetic hardness *see ferromagnetic properties of substances*

magnetic heads
AC bias recording, comparative aspects 2−20503
amorphous magnetic materials, electronics appls. 2−20482
amorphous magnetic materials appl. in electronics 2−15138
array recording head, finite element anal. 2−25424
assembly tool 2−5894
bowing correction of mag. head rows 2−1570
buried servos, use in head-positioning system 2−15174
coupled film magnetoresistive head, high track density 2−15179
developments by IBM, review 2−20495
digital flux transition variation with distance from track centre 2−1568
disc file manufacturing innovations, review 2−20499
disc file technology development, review 2−20496
dual elements of superimposed head, coupling effect 2−15183
fabrication by spark erosion 2−4499
field generation in recording heads *(Japanese)* 2−15202
film heads, substrate testing 2−15181
floppy disc drive design guidelines 2−25438
fly height testers for magnetic recording heads, sputtered standard 2−25432
harmonic response, higher order boundary integral eqn. calcs. 2−1567
linear feedback load cell for magnetic disc and recording heads 2−25433
long-life magnetoresistive head 2−25435
magneto-optical readout head, high freq. response 2−15197
magnetography, review of devices and future potential 2−15668

magnetic heads continued
magnetoresistive, comparison with shielded one-sided planar Hall transducer 2−15180
magnetoresistive dual-element read/write head 2−15201
magnetoresistive head, use in 2000 tracks/inch disk file servo system 2−15176
magnetoresistive heads 2−15178
magnetoresistive protected high-density head 2−25436
multi-element magnetic head 2−1571
perpendicular, mag. field, exact soln. using conformal mapping 2−15189
perpendicular magnetic recording with thin film heads 2−15171
perpendicular recording read/write head with reluctance leg 2−15200
printing, magnetographic, high resolution recorder 2−15165
resolution amplification in 3D finite element mag. field calcs. 2−20508
ribbon Sendust magnetic tape heads 2−25437
scanner for long service life 2−5900
scanning head, thin film, for mag. printing 2−15166
self-magnetisation effect *(German)* 2−5892
Sendust ribbon based heads, recording charact. 2−15187
soft non-iron based alloys, properties and applications *(Czech)* 2−25419
storage disc drive, head position recalibration 2−25431
tape recorders and VTR appl., parameters, design and development prognosis *(Polish)* 2−1572
thin film, manufacture, alignment of layers used as pole pieces 2−15198
thin film disk heads, origins of playback pulse asymmetry in recording 2−15182
thin film head assembly with side-by-side elements 2−20510
thin film head for perpendicular recording 2−15190
thin film heads, single turn, saturation effects 2−15192
thin film magnetic head assembly 2−20511
thin film recording heads, microprocessor systems, external mass storage peripherals *(German)* 2−5891
thin films heads, asymmetric, response to vertical and horizontal magnetisation 2−15191
transucing head for magnetic media, cleaning device 2−5897
ultra-high density recording the Sendust video head and high coercive tape 2−15188
vertical recording magnetic head 2−15199
video cassette recorders with fixed head from Toshiba, charact. and appls. 2−16677
VTR head positioning facilities, Philips, Grundig Video 2000 recorders *(German)* 2−16673
wear resistant, with monolithic gaps, fabrication technology 2−15186
Ni-Co thin film magnetic recording disc, head/disc interface wear, impact deformation obs. 2−20502
Ni-Zn ferrite magnetic head slider assemblies 2−5896

magnetic hysteresis
amorphous magnetic materials, mag. props., applications in electronics 2−20482
audio freq. charact. tracer, for soft mag. materials *(Chinese)* 2−22364
calculation of transient current in transformers 2−23337
core, hysteresis loops phenomena by locking AC elec. core-current to drive 2−15204
ferrites, soft, press. effect on magnetisation mechanisms 2−15157
ferrites hysteresis-loop parameters meas., automatic ferrometer design 2−26944
force transducer using amorphous magnetic ribbon cores 2−22244
high coercivity Fe alloys, hysteresis curve, math. model *(Russian)* 2−1559
loop tracer, low freq., for amorphous ribbons 2−22368
measurement of no-load losses/ in induction machines/ 2−4126
measurement procedure for ring specimens in audio freq. range 2−11596
measurement using single strip tester 2−11595
metallic glasses production, properties and applications *(German)* 2−5886
Permalloy overlays, remanent states formation 2−15223
semi hard mag. materials, digital simulation of hysteresis processes 2−18282
soft magnetic materials development, mag. anisotropy and magnetistriction meas. 2−15102
superconductor, multifilamentary, hysteresis losses in superimposed DC and AC mag. fields 2−9884
transformer core amorphous magnetic alloy development 2−18303
Co-Ni-W sputtered film, recording performance and mag. props. 2−15193
Co-P magnetic electroless thin films, effective life 2−20481
Cu-Fe multifilamentary composites, in situ formed, mag. hysteresis loops 2−5901
Fe-Si amorphous ribbon materials, causes of anomalous loss 2−15111
Fe-Si steel plate, non-oriented, Fe losses calc. 2−15108
Mn-Al-C, permanent mag., magnetisation props., −50 to 150°C 2−15110
T-M amorphous alloys, T-Fe, Co, Ni and M=B, C, P, ferromagnetic glasses study 2−5885

magnetic impurity interactions
No entries

magnetic inks *see magnetic fluids*

magnetic leakage
amorphous magnetic materials, mag. props., applications in electronics 2−20482
audio freq. charact. tracer, for soft mag. materials *(Chinese)* 2−22364
composite superconductors, energy losses at transverse mag. field pulse 2−1663
core losses, meas. procedure for ring specimens in audio freq. range 2−11596
cryoturbogenerator rotor shells, EM forces and losses, two-dimens. model 2−18159
DC traction machines, noncompensated, magnetic circuit stray losses calc. *(Polish)* 2−4215
diecast aluminium, skewed, interbar voltage and magnetic field calcs. 2−12652
digital recording, peak shift compensation with write timing 2−25427
ferrimagnetic film, guided mag. waves, coupling for normal magnetization, quasi-optics 2−9853
induction motors with saturated leakage iron path, torque-speed charact. calc. method *(Italian)* 2−27906
large capacity, design and manufacturing techniques, reliability testing, for use in thermal and nuclear power stations 2−27973
magnetic sheets, normal loss meas., anal. of additional losses due to eddy currents in device *(Rumanian)* 2−17108
measurement using single strip tester 2−11595
microwave circulators, anal. of losses *(Rumanian)* 2−14284
multisegment ring magnet, multipole field calc. *(Chinese)* 2−22465

magnetic leakage continued
multistacked permanent magnet generators—the relation between output and magnet characteristics 2—18215
optimal tracking of the dynamic performance of an induction machine 2—27917
permanent magnet synchronous doubly-salient couplers, characts. prediction 2—12629
power transformer design using equivalent π-circuit *(Spanish)* 2—27982
single-phase line with separate shielding of conductors, electromagnetic field anal. 2—21028
soft magnetic materials development, mag. anisotropy and magnetistriction meas. 2—15102
soft magnetic materials magnetisation curves and magnetic losses for AC and DC voltages *(Polish)* 2—1555
squirrel cage induction motor teeth, Fe losses 2—23299
steady and transient operating characteristics of DC motors energised from thyristor inverters *(German)* 2—27935
steel, elec., nondestructive meas. of mag. props., metrological certification of equipment 2—11593
synchronous motor, surface loss reduction in grooved solid poles 2—7823
transformer, properties during arc welding *(Czech)* 2—18293
transformer with magnetic shielding, numerical calc. of leakage field 2—23328
Fe-B-C-Si, amorphous low core loss materials, comp. and heat treatment 2—15133
Fe-B(-Ni) based metallic glass, amorphous ribbons and toroids, pulse magnetisation losses 2—15112
Fe-Cr-Si-B amorphous ribbons, mag. props. 2—20483
Fe-Si (3 wt.%), grain oriented, effect of tensile stress on domain wall motion and wall bowing 2—15117
Fe-Si alloys, high Si content, mech. and mag. props., recent studies 2—15114
Fe-Si alloys, rapidly quenched, mag. props. 2—9851
Fe-Si amorphous ribbon materials, causes of anomalous loss 2—15111
Fe-Si steel plate, non-oriented, Fe losses calc. 2—15108
Fe-Si-Al ribbons, Sendust, mag. characts., recording head appls. 2—15187
Li-Ti-Zn ferrite, effect of MnO_2 and Bi_2O_3 additives on props. *(Slovak)* 2—1565
Mn-Zn ferrites, low loss, prep. with complex oxalates, mag. props. 2—13870
Nb_3Ge composite tape conductors, total AC losses 2—20555
NbTi, multifilamentary, AC losses in pulsed mag. fields 2—17743
$(YGdCa)_3(FeVM)_5O_{12}$ (M=In, Zr), magnetostatic losses and saturation magnetisation temp. depend. 2—15154

magnetic lenses
see also aberrations
cyclotron heavy-ion beam sweeping apparatus for uniform irradiation of samples 2—27011
deflector systems for electron beam instruments, variety and classification *(Russian)* 2—2105
electron lenses and electromagnets, finite element anal. for mag. field distrib. calc. 2—2087
electron lenses for HV microscopes 2—2088
electron optical systems, linear transformations for Gaussian trajectory parameters *(Chinese)* 2—21033
focusing properties of the electron optics of emission systems with electron mirrors 2—2093
mass spectrometer with variable dispersion and simultaneous detection, ion optics 2—3434
quadrupole lenses elec. rotation 2—6303
Li lens for high energy particle beams axially symmetric focusing 2—17201
Sm-Co permanent magnets, hexapolar mag. configurations *(French)* 2—1576

magnetic levitation
calculation of the electromagnetic field and forces in attraction-type levitation devices 2—12995
characteristics and stability of a magnetic suspension with pulse-width current control in the electromagnet *(Russian)* 2—18674
characteristics of linear synchronous motor drive cycloconverter for Maglev vehicle ML-500 at Miyazaki test track, Japan 2—8044
computer modelling of an electromagnetic suspension *(Russian)* 2—18673
control system of an electro-magnet for attractive magnetic suspension 2—13014
crosswind gusts modelling and dynamic response 2—13005
cylindrical mag. suspension, levitation end effects 2—25898
cylindrical supercond. EM suspension, parameters calc. 2—18686
electric motor eddy currents calc. 2—4018
electrodynamic levitation forces, theory and small-scale tests 2—10422
electromagnet supply form controlled-current source, stability anal. 2—28155
electromagnets, testing at Vitry, in France *(French)* 2—12997
high speed transport systems, electromagnet control 2—28181
linear induction motor, conf. at Athens, Greece, 1980 2—23240
linear propulsion, various modes, magnetically suspended vehicles 2—8041
linear squirrel cage motor, single side, magnetic field calc. partial differential equation model 2—4161
linear synchronous motor magnetic field calc. finite difference model 2—12619
linear synchronous motor magnetic fields calc. model 2—12617
maglev transportation systems, high speed, state control of translational movement *(German)* 2—28185
magnetic damping of electrodynamic levitation systems for high speed trains 2—13013
magnetic screening of high speed vehicles with electrodynamic suspension *(Russian)* 2—23683
Mixed Mu magnetic suspension system 2—1648
ML-500 maglev test vehicle 2—4410
passenger transport systems vehicle dynamics and optimisation 2—28182
performance of ideal current inverter fed linear inductor motors: a theoretical study 2—27946
permanent magnet levitation system with indifferent or weakly unstable characteristics 2—5905
rail test vehicle ML-500 propulsion system 2—4412
rail vehicles dynamic performance improvement through control of linear motors 2—18712
railway system ground coils for propulsion and guidance 2—4411
railways, linear motor propulsion for advanced ground transport 2—18719
rapid transmit systems, dynamic behaviour of controlled permanent lift magnets *(German)* 2—23681

magnetic levitation continued
repulsive-type, anal. of ride quality 2—8035
rotational motion of the short-stator in the single-sided linear induction motor/ 2—4158
self-generated rotation, using DC electromagnet 2—4415
stationary excitation coil, electrodynamic suspension in alternating current, EM field and losses calc. *(Russian)* 2—8033
superconducting devices, contemporary and future applications 2—9952
superconducting magnet suspension systems, levitation characts. calc., review 2—28157
superconducting magnetic levitation railway, R&D present status in Japan 2—8047
superconducting magnetic levitation train project in Japan 2—4414
superconducting screens for magnetic suspension, mathematical modelling 2—1647
suspensions, principles *(Czech)* 2—28160
systems for high-speed contactless transport *(Russian)* 2—23674
theory, results and further practical problems 2—28178
transport rolling stock dynamics and stabilisation 2—28179
vehicle with electromagnetic suspension, mathematical model 2—28180

magnetic lines of force *see magnetic flux*

magnetic liquids *see magnetic fluids*

magnetic logic
No entries

magnetic losses *see magnetic leakage*

magnetic materials
see also ferrites; garnets; magnetic fluids; magnetic thin films; permanent magnets
alloy-clad fibres used in self-aligning optical fibre connector 2—5995
amorphous, appls. in electronics 2—15138
amorphous magnetic ribbon, evaluation in elec. devices 2—15137
conference, Grenoble, France (May 1981) 2—13141
demagnetiser with controllable cycle and adjustable level 2—15103
Fe-3%Si alloy textured thin tapes made in Poland *(Polish)* 2—1556
flexible magnetic media processing device 2—8265
hard materials, test methods, review 2—7198
soft magnetic material audio freq. charact. tracer *(Chinese)* 2—22364
soft magnetic materials development, mag. anisotropy and magnetistriction meas. 2—15102
soft non-iron based alloys, properties and applications *(Czech)* 2—25419
sonar transducers, new materials and types of device 2—26552
unoriented electrical sheets and strips, Polish technological developments 2—20480

magnetic materials, amorphous *see magnetic properties of amorphous substances*

magnetic memories *see magnetic storage*

magnetic mirrors
fusion-fission hybrid reactor design studies, overview 2—3860
reducd Fokker-Planck eqn., finite element soln. 2—8683
superconducting magnets development for nuclear fusion machines appl. 2—15271

magnetic moments
see also nuclear magnetic moment
radiating source emission and susceptibility levels determ., using TEM cell 2—3269
superconducting magnetometer 2—22257
suprconducting magnetometer, use in high mag. fields, mag. moment and susceptibility meas. 2—22257
$Ni_xCu_{(1-x)}Fe_2O_4$ ($0 \leq x \leq 1$) ferrites, structural and magnetic properties 2—1563

magnetic permeability
alternators, MF, precise permeance calculation methods 2—27900
amorphous magnetic materials, mag. props., applications in electronics 2—20482
audio freq. charact. tracer, for soft mag. materials *(Chinese)* 2—22364
ferrite materials for high power microwave circulators 2—15214
ferromagnetic tube, eddy current testing, magnetic props. effect 2—8857
film heads, substrate testing 2—15181
laminated ferromagnetics, effective elec. and mag. characts. determ. *(Russian)* 2—1557
metallic glasses production, properties and applications *(German)* 2—5886
permanent magnet synchronous doubly-salient couplers, characts. prediction 2—12629
soft magnetic materials development, mag. anisotropy and magnetistriction meas. 2—15102
soft non-iron based alloys, properties and applications *(Czech)* 2—25419
steel, austenitic stainless, N strengthened, props., for cryogenic magnet structs. 2—8840
synthesis of magnetic systems using permanent magnets and piece parts with fixed permeability *(Russian)* 2—20520
transition metal-base amorphous alloys, mag. props., comp. depend. 2—15134
Fe-Cr-Si-B amorphous ribbons, mag. props. 2—20483
Fe-Si (3 wt%) sheets, grain oriented, remanence theory in presence of external stresses 2—15115
Fe-Si alloys, high Si content, mech. and mag. props., recent studies 2—15114
Fe-Si alloys, rapidly quenched, mag. props. 2—9851
Fe-Si-Al ribbons, Sendust, mag. characts., recording head appls. 2—15187
Fe-Si-Al single crysts., mag. props. near Sendust comp. 2—15124
Li-Ti-Zn ferrite, effect of MnO_2 and Bi_2O_3 additives on props. *(Slovak)* 2—1565
Li-Zn-Co ferrites, mag. anisotropy anomaly due to Co, permeability meas. 2—15158
Mn-Zn ferrites, low loss, prep. with complex oxalates, mag. props. 2—13870
MnZn ferrites, phys. props., pressing press. effect 2—8848
$(Ni_{0.5}Cd_{0.5}O)_{1-x}(Fe_2O_3)_{1+x}$, mag. and elec. props. 2—25421
$Ni_{1-x}Zn_xFe_2O_4$, mag. and elec. props. 2—25421
$Zn_xCu_{0.1}Fe_{2.9-x}O_4$, (x=0.3, 0.4, 0.5) polycrystalline ferrites, initial permeab. and var. of magnetisation with Zn content 2—9855

magnetic permeability measurement
ferrites EM parameters meas. at UHF, by comparison method 2—17100
Kopsel permeameter, improvements using Hall devices *(Chinese)* 2—22363
measurement procedure for ring specimens in audio freq. range 2—11596
piezomagnetic materials, internal damping and mag. permeability disaccommodation, automated recording method 2—22093
radial-line shaped materials 2—26940

magnetic permeability measurement continued
semiconductors, using spherical microwave cavities 2−3262
solid cyclindrical parts, mag. permeab. and elec. cond. meas., ferrometer appl. 2−3255

magnetic pinch *see pinch effect*

magnetic properties of amorphous substances
amorphous alloys, recent studies *(Japanese)* 2−15130
amorphous rare earth-transition metal films with perpendicular anisotropy for bubble memories, prep. and magnetic props. 2−20546
conference, London, England (Oct. 1981) 2−13162
domain pattern meas. using C-CD image sensor 2−22366
electronics applications 2−20482
force transducer using amorphous magnetic ribbon cores 2−22244
hysteresis loop tracer, low freq., for amorphous ribbons 2−22368
magnetic sensor using amorphous Wiegand-type ribbons 2−20522
metallic glass production techniques for power transformer cores 2−23335
metallic glasses production, properties and applications *(German)* 2−5886
ribbons, manufacture, props. and appls. 2−15135
transformer core amorphous magnetic alloy development 2−18303
Co-based amorphous alloys, recent studies, review *(Japanese)* 2−15130
Dy-Fe/Gd-Fe double layer film, amorphous, thermomag. writing 2−15149
Fe rich amorphous alloys, stress-mag. effects and shock-stress sensors with no power 2−20523
Fe-Al-B amorphous system, annealing effects on magnetic properties *(Japanese)* 2−15107
Fe-B(-Ni) based metallic glass, amorphous ribbons and toroids, pulse magnetisation losses 2−15112
Fe-Cr-Si-B amorphous ribbons, mag. props. 2−20483
Fe-Si (6.5 wt.%) ribbons, mag. props. and grain struct. after annealing 2−15125
Fe-Si amorphous ribbon materials, causes of anomalous loss 2−15111
Fe-Si-Al ribbons, Sendust, mag. charact., recording head appls. 2−15187
$Fe_{78}B_{13}Si_9$ amorphous magnetic ribbon, mag. props. and power transformer appl. 2−15136
$(Fe_{0.82}B_{0.18})_{0.9}Tb_{0.05}La_{0.05}$, amorphous and crystallised, mag. props. 2−9850
Fe_xN_{1-x} film, noncrystalline, mag. and recording props. 2−1558
Gd-Fe/Tb-Fe double layer film, amorphous, thermomag. writing 2−15149

magnetic properties of dilute alloys *see magnetic properties of dilute systems*

magnetic properties of dilute systems
see also magnetic impurity interactions
No entries

magnetic properties of fine particles
see also superparamagnetism
coercivity measurements in particulate systems, kinetic effects 2−15185
γFe_2O_3 audio tape recording props. rel. to particle size 2−20501
ferrite powder replacement of electrolytic Fe powder in mag. separation of grains *(Rumanian)* 2−15667
$CoFe_2O_4$, epitaxial growth on acicular γ-Fe_2O_3 particles, coercivity, temp. depend. 2−20486
CrO_2 particles, mag. props., mag. tape appl. 2−15184
Fe particles, mag. props., mag. tape appl. 2−15184
Fe-Co, metal pigment, coercivity and unit particle size 2−15105
Fe_3N_4 pigment, coercivity and unit particle size 2−15105
Fe_4N powder, magnetic recording tape prep., electron microscope obs. 2−20500
γ-Fe_2O_3, acicular, prep. with antisintering agents, mag. and rheological props. 2−15106
γ-Fe_3O_4 particles, mag. props., mag. tape appl. 2−15184
Sr ferrite, magnetization, milling treatment effect 2−15139

magnetic properties of substances
see also antiferromagnetic properties of substances; demagnetisation; ferrimagnetic properties of substances; ferromagnetic properties of substances; magnetic permeability; magnetic properties of amorphous substances; magnetic properties of dilute systems; magnetic properties of fine particles; magnetic structure; magnetic surface phenomena; magnetic susceptibility; magnetic transitions; magnetisation; magnetocaloric effects; paramagnetic properties of substances
conference, Grenoble, France (May 1981) 2−13141
DC motors with SmCo magnets, magnetic behaviour under static, dynamic and thermal regimes *(French)* 2−27944
soft magnetic materials magnetisation curves and magnetic losses for AC and DC voltages *(Polish)* 2−1555

magnetic read/write heads *see magnetic heads*

magnetic recording
see also tape recorders; thermomagnetic recording
AC bias recording, comparative aspects 2−20503
AC bias recording, switching field distrib. 2−15172
Ampex Super High Bit Rate recorder system 2−11532
audio and video recording and hard copying techniques *(Japanese)* 2−9860
basic techniques, equipment *(Japanese)* 2−16666
bit error rate performance of high density tape recorders for image processing, methods of improving bit error rate 2−12055
blood pressure, continuous tape-recording, technical considerations 2−22523
buried servos, mag. recording techniques 2−15175
digital, high density, DC null equalization 2−20506
digital, mathematical model and digital simulation *(Polish)* 2−1574
digital, peak shift compensation with write timing 2−25427
digital flux transition variation with distance from track centre 2−1568
digital system, detection window and lineal transition density 2−20507
digital tape recorder, high density, clock recovery system 2−25428
digital tape recording 2−1569
digital video signals, TV studios appl. 2−16546
disc file manufacturing innovations, review 2−20499
discs and tapes, anal. by Preisach's method *(Russian)* 2−9857
electrographic magnetic stylus recording, non-impact mag. printing 2−15660
equalization with arbitrary input-arbitrary output LC filters 2−20504
γFe_2O_3 audio tape recording props. rel. to particle size 2−20501
field generation in recording heads *(Japanese)* 2−15202
fly height testers for magnetic recording heads, sputtered standard 2−25432
FM, input cct. optimisation of the playback channel 2−2956
head-positioning system using buried servos 2−15174
high-density digital recorders, tape dropouts effects on pulse compression recording 2−11530

magnetic recording continued
instrumentation magnetic tape recording: an overview 2−26714
instrumentation recorders, error correction for high density digital recorders 2−11531
instrumentation recorders methods and appl. *(Polish)* 2−3201
linear feedback load cell for magnetic disc and recording heads 2−25433
magnetic heads, self-magnetisation effect *(German)* 2−5892
magnetics, conference, Grenoble, France (May 1981) 2−13141
magneto-optical readout head, high freq. response 2−15197
minimum noise pulse slimming equaliser to reduce intersymbol interference in mag. recording 2−25430
multi-channel magnetic tape recorders, time base error correction *(German)* 2−26688
multi-level encoding, anal. 2−25426
particulate systems, coercivity meas., kinetic effects 2−15185
perpendicular magnetic recording, computer simulation 2−15170
perpendicular magnetic recording, wavelength response 2−15167
perpendicular magnetic recording using double-layer media 2−15168
perpendicular recording read/write head with reluctance leg 2−15200
printing, magnetographic, high resolution recorder 2−15165
run length limited codes, event driven max. likelihood peak position detector 2−25429
run-length limited codes, charge-constrained, channel capacity calc. 2−21292
scanning head, thin film, for mag. printing 2−15166
serial time codes for analogue data recording 2−7117
Sharp Optonica RT 7070 H/HB dual cassette deck, design *(German)* 2−6975
tape recording, short wavelength, flux distrib., MAGGY2 computer program calc. 2−20509
ternary 3PM magnetic recording code and system 2−25425
ternary partial response signalling for digital magnetic recording 2−2249
thin film disk heads, origins of playback pulse asymmetry in recording 2−15182
thin film head for perpendicular recording 2−15190
thin film media, high density statically recorded transitions, field meas. 2−15173
ultra-high density recording the Sendust video head and high coercive tape 2−15188
UMG-2 mechanical voice equipment for service information transmission in Moscow urban telephone network, magnetically-recorded messages 2−16269
vertical magnetic recording, large scale model 2−15169
vertical recording magnetic head 2−15199
video signal storing, high definition with 60 MHz mag. recording equipment 2−16664
video tape recorder basic construction *(Japanese)* 2−11245
VTR noise sources including magnetic particle noise *(Japanese)* 2−16668
Ba ferrite films with perpendicular mag. anisotropy, DC sputtering prep. 2−13835
Co-Cr films for perpendicular mag. recording, opposing targets sputtering deposition 2−13834
Co-Cr films for perpendicular recording, RF sputtering deposition 2−15128
Co-Cr perpendicular recording medium by vacuum deposition, mag. and struct. props. 2−15127
Co-Cr sputtered layered media, optimisation for areal density 2−15194
Co-Cr-Ta sputtered coating, perpendicular magnetic recording with thin film ring heads 2−15171
Co-Ni-W sputtered film, recording performance and mag. props. 2−15193
Fe_xN_{1-x} film, noncrystalline, mag. and recording props. 2−1558
γ-Fe_2O_3 thin film recording media preparation method 2−15195
γ-Fe_2O_3:Ti(Co), sputtered double-layer disk, mag. props., recording charact. 2−15196

magnetic relaxation
see also ferromagnetic relaxation; magnetic resonance
ferromagnetic liquid insulation, spatial distrib. of quantum parameters 2−15076
$Li_{0.5}Fe_{2.5-x}M_xO_4$ (M=Co, Mn, Ti, Al), microwave relax. props. 2−15155

magnetic resonance
see also ferrimagnetic resonance; ferromagnetic resonance; laser magnetic resonance; magnetic double resonance; magnetic relaxation; nuclear magnetic resonance; paramagnetic resonance
multimachine networks, subsynchronous reson., transient charact. modelling *(French)* 2−7472
multimachine power systems, transient characteristics of subsynchronous resonance *(French)* 2−12130
self-excitation of an induction generator *(Russian)* 2−4123
selftuning resonances in transformers *(Russian)* 2−27960
subsynchronous resonance in HV networks, protective measures 2−7475
YIG ferrite rods, parallel-axially magnetized, surface modes 2−1562

magnetic resonance spectrometers
NMR, lock-in amp. using a 4-quadrant analog multiplier and PLL 2−6445
velocity meas. using nuclear gamma-resonance meter 2−17134
waveguide resonator calc., used as absorption cell 2−929
$SmCo_5$ magnet, for portable NMR spectrometer, props. 2−15209

magnetic resonance spectroscopy
double pulse pattern generator for transient NMR experiments 2−771
ESR, using computer-controlled high-speed data receiver-processor 2−11373
sensitive marginal oscillator, for the determination of high magnetic inductions 2−5142
two-spin oscillators, mutual synchronisation 2−19584

magnetic screening *see magnetic shielding*

magnetic semiconductor materials *see magnetic semiconductors*

magnetic semiconductors
conference, Hakone, Japan (Sept. 1980) 2−13151
coupled microstrip lines on ε- and μ-gyrotropic substrates, EM field anal. 2−26027
$FePS_3$ cathode in Li battery, synthesis, struct. and phys. props. *(French)* 2−18449
$Hg_xCd_{1-x}Cr_2Se_4$, solid soln. thin films, isothermal epitaxial growth on $CdCr_2Se_4$ single cryst. substrate *(Japanese)* 2−13827
MnTe, antiferromagnetic, elec. resist. and mag. susceptibility 2−20116
$NiPS_3$ cathode in Li battery, synthesis, struct. and phys. props. *(French)* 2−18449

magnetic separation
coal, dry fine, development of high gradient and open gradient mag. separation 2−25922
colloidal solutions of magnetite as separation medium for nonferrous materials 2−4562
current carrying wire matrix, mag. filtration 2−15666
cylindrical magnetic separator, calculation of magnetic induction components 2−10451
diamagnetic particle capture and mineral separation 2−15665
ferrimagnetic material, recovery from fluids containing nonmag. particles, efficient high gradient mag. separation 2−25920
ferrite powder replacement of electrolytic Fe powder in mag. separation of grains *(Rumanian)* 2−15667
high gradient magnetic separation, effect of metric fibre size on performance 2−25919
high gradient magnetic separation, theory of capture of weakly mag. particles in random matrices in longitudinal config. 2−15663
industrial sludges, fine treatment by high gradient mag. separation 2−25923
kaolin beneficiation using commercial high intensity mag. separator 2−25918
magnetics, conference, Grenoble, France (May 1981) 2−13141
magnetohydrostatic separation, practical aspects 2−25924
malarial parasite concentration, bench top mag. separator 2−17334
matrices for selective diamagnetic HGMS 2−15664
mineral separation by high gradient mag. separation, bauxite purification, process parameters 2−25921
particle buildup on single spheres in HGMS 2−15662
particle capture in vacuo, rel. to mineral processing in lunar environment 2−10453
particle motion near and capture on single spheres in HGMS 2−15661
rare metal ores using high mag. fields 2−6317
slag, lumpy, efficient mag. separator using rotating DC magnets for mass handling 2−25925
superconducting, reciprocating canister for Fe and K level reduction in kaolin slurry 2−25917
Fe separators with ferromagnetic shunts, analysis and mathematical model *(Russian)* 2−25914
Fe separators with plane meridional mag. field, calc. of EM ponderomotive force *(Russian)* 2−15658

magnetic shielding
800 MW generator bus-bars phase-by-phase screened 3-phase current conductor electromagnetic field numerical anal. 2−27870
amorphous magnetic materials, electronics appls. 2−20482
amorphous magnetic materials appl. in electronics 2−15138
conducting tube shielding effects, experimental case study for students 2−15614
cryoturbogenerator nonsteady-state electromagnetic field in presence of abrupt three-phase short circuit 2−27882
design of magnetic systems for electro-magnetic pulleys with ferromagnetic shields *(Russian)* 2−2098
electrical/electronic components and equipment, mag. shielding, protection against neighbouring radiating systems 2−2164
electromagnetic pulse shielding components, transfer impedance meas. 2−21126
EM screen, integral eqn. anal. 2−15731
EM screens for solenoids, machines and transformers, design problems *(Russian)* 2−2169
extended shields on substations of 400 kW and above 2−18300
flux free environment creation, superconducting shieldings 2−1674
inductance and current distribution of magnetic shielded dipoles 2−2162
magnetic screening of high speed vehicles with electrodynamic suspension *(Russian)* 2−23683
multilayer cylindrical shield, mag. field calc. 2−15730
plastics, fillers props. influence 2−5036
problem of shielding of the magnetic field of axisymmetric inductors 2−24746
room, calc. of shielding factor *(Japanese)* 2−3258
single-phase line with separate shielding of conductors, electromagnetic field anal. 2−21028
transient characts. determ. 2−27895

magnetic storage
see also magnetic core stores; magnetic disc and drum storage; magnetic film stores; magnetic tape storage
16-bit digital signal-processing system for audio signals *(German)* 2−26691
ferroacoustic information stores, main features and operational reliability 2−20527
magnetic field susceptibility of floppy discs and magnetic tape cassette 2−21145
magneto-optic readout technique with high speed and high sensitivity 2−15355
recording, digital, high density, DC null equalization 2−20506

magnetic storage devices *see magnetic storage*

magnetic storage systems *see magnetic storage*

magnetic stores *see magnetic storage*

magnetic storms
see also micropulsations
1979 March 22, assoc. ionospheric scintillations *(Japanese)* 2−25954
electrojet, equatorial, magnetic storm time elec. field changes, VHF backscatter from plasma irregularities 2−6327
ionosphere electron content at L=4 during substorms, nighttime enhancement 2−15692
magnetosphere, active region vars. from motion picture presentation of mag. pulsations 2−22720
Pi C waves in ionosphere and radioauroral pulsations during substorms 2−6328
satellite charging effects monitoring due to substorm environment 2−22655

magnetic structure
see also canted spin arrangements
crystals, magnetically ordered, use to detect weak signals 2−25441

magnetic superconductors
phases and resonance line shifts *(Chinese)* 2−20552

magnetic surface phenomena
YIG ferrite rods, parallel-axially magnetized, surface modes 2−1562

magnetic susceptibility
see also photomagnetic effect
ferrite polycryst., microwave tensor susceptibility and effective linewidth meas. with rotating DC mag. field 2−11594
measurement using magnetic balance, electric corrector of zero position 2−3254
measurements using biomedical SQUID system 2−22369
NOVA satellite, low susceptibility proof mass for trajectory control 2−22640
superconducting magnetometer 2−22257
$Fe_{1-x}Cr_xNbO_4$, prep., cryst. struct., mag. and electronic props. 2−15381
^3He, liquid, high field susceptibility, manometric meas. 2−22370
^4He, liquid, high field susceptibility, manometric meas. 2−22370
$Li_2V_6O_{13}$ cathode material, X-ray diffr. thermal anal. and mag. susceptibility 2−18432
MnTe, antiferromagnetic, elec. resist. and mag. susceptibility 2−20116
$Pb_{0.9}Mo_6S_{7.5}$, ultrahigh critical mag. susceptibility 2−1593
$(Se_{0.5}Te_{0.5})_{1-x}M_x$ (M=Cu,Tl,Ag,Na) liquid semiconductor, elec. cond., thermopower and mag. susceptibility 2−20114
V_6O_{13} cathode material, X-ray diffr. thermal anal. and mag. susceptibility 2−18432

magnetic switching
AC bias recording, switching field distrib. 2−15172
core storage, labelling of moving items, mag. method 2−15203
magnetic-flux switch operation in transformer-type current limiting device for power transmission line 2−27576

magnetic tape equipment
see also magnetic tape storage
design innovations, review 2−20497
differential optical sensor for magnetic tape tension control 2−7101
drive attachment support, reduction of system program overhead 2−5895
dust problems rel. to reliability, major causes, elimination 2−20514
margin analyser for disk and tape drives 2−20505
multiple channel data storage, stand-alone test panel 2−26727
SE9000 digital instrumentation tape recorder, 40 kbpi storage density, 3PM code appl. *(French)* 2−26879

magnetic tape recorders *see tape recorders*

magnetic tape storage
see also magnetic tape equipment
bit error rate performance of high density tape recorders for image processing, methods of improving bit error rate 2−12055
computer cassette motor control, using reed relay 2−868
design innovations, review 2−20497
developments by IBM, review 2−20495
high-density digital recorders, tape dropouts effects on pulse compression recording 2−11530
industrial management data, collection and storage, appls. *(German)* 2−22183
magnetic recording on discs and tapes, anal. by Preisach's method *(Russian)* 2−9857
microprocessor systems, external mass storage peripherals *(German)* 2−5891
parameter estimates using computers under service conditions 2−9862
physiological data stored on mag. tape, simplified method for retrieval and display *(German)* 2−22556

magnetic tape stores *see magnetic tape storage*

magnetic tapes
see also magnetic tape equipment; magnetic tape storage
1981 state and perspectives *(Polish)* 2−1573
AC bias recording, switching field distrib. 2−15172
audio recording, characteristics of different tape materials *(German)* 2−11288
design innovations, review 2−20497
digital flux transition variation with distance from track centre 2−1568
digital tape recording 2−1569
γFe_2O_3 audio tape recording props. rel. to particle size 2−20501
Fe-3%Si alloy textured thin tapes made in Poland *(Polish)* 2−1556
gyromagnetic remanence and anisotropy 2−20513
multiple cleaning position device, tape cleaner 2−5898
polymer film rolls, supporting capacity 2−13866
recording, tape development, manufacture *(Japanese)* 2−9861
short wavelength recording, flux distrib., MAGGY2 computer program calc. 2−20509
simple tape wrap around a guide, mathematical anal. 2−15177
soundtrack deterioration causes *(Russian)* 2−11306
ultra-high density recording the Sendust video head and high coercive tape 2−15188
videotape performance rating for home-recording systems 2−6943
CrO_2 particles, mag. props., mag. tape appl. 2−15184
Fe particles, mag. props., mag. tape appl. 2−15184
Fe_4N powder, magnetic recording tape prep., electron microscope obs. 2−20500
γ-Fe_3O_4 particles, mag. props., mag. tape appl. 2−15184

magnetic thin film devices
see also magnetic bubble devices
coupled film magnetoresistive head, high track density 2−15179
disk heads, origins of playback pulse asymmetry in recording 2−15182
ferromagnetic thin-film magnetoresistive transducers 2−26815
head, harmonic response, higher order boundary integral eqn. calcs. 2−1567
head assembly 2−20511
head assembly with side-by-side elements 2−20510
head for perpendicular recording 2−15190
heads, asymmetric, response to vertical and horizontal magnetisation 2−15191
heads, manufacture, alignment of layers used as pole pieces 2−15198
heads, single turn, saturation effects 2−15192
heads, substrate testing 2−15181
heads for AC bias recording, comparative aspects 2−20503
magnetographic printing, new thin film scanning head 2−15166
magnetometer, inductance variation, thin film, factors affecting performance 2−20549
magnetoresistive detector stripes, aspect ratio 2−16937
magnetoresistive heads 2−15178
magnetoresistive sensors, Barkhausen noise 2−15234
microwave and optics components, CAD and materials technology, review 2−14295
recording heads, microprocessor systems, external mass storage peripherals *(German)* 2−5891

magnetic thin film devices continued
SQUID magnetometer, using Nb thin-film microbridge, biomagnetic appl. 2−17016
superimposed dual element thin film head, coupling effect 2−15183
Co-Cr magnetostructure film on YZ-$LiNbO_3$ substrate, SAW delay line 2−15218
γ-Fe_2O_3 thin film mag. discs prepared by reactive sputtering, effects of substrate revolution 2−9880
Ni-Co thin film magnetic recording disc, head/disc interface wear, impact deformation obs. 2−20502

magnetic thin film stores *see magnetic film stores*

magnetic thin films
see also magnetic epitaxial layers
amorphous rare earth-transition metal films with perpendicular anisotropy for bubble memories, prep. and magnetic props. 2−20546
bubble propagation pattern model, minimum domain configurations 2−1583
deposition technique using mag. field adjacent to rotating platform 2−8824
ferrimagnetic film, guided mag. waves, coupling for normal magnetization, quasi-optics 2−9853
ferrite-garnet, Permaloy coatings, implanted layers, anisotropy effect on magnetisation distrib. *(Russian)* 2−1566
garnet, bubble domain, stationary motion contraction of wall thickness 2−15147
garnet, magnetic bubble layers, influence of implantation-induced stress gradients 2−5888
garnet bubble film, ion implanted layer, mag. state, temp. depend. study 2−15151
garnet film, (111) tilted, dynamic props. of bubbles and stripes 2−15144
garnet film, domain wall widening in high drive fields 2−15145
garnet film, domain-wall vibrs. 2−15141
garnet film, ion-implanted, mag. domain struct. 2−1560
garnet film, static collapse discrimination of S-0 mag. bubbles 2−20489
garnet films, implanted bubble, dynamics of formation of statically stable 2Π Bloch lines 2−15143
Permalloy film, electromigration, electron microscopy study 2−25420
Ba ferrite films with perpendicular mag. anisotropy, DC sputtering prep. 2−13835
Co-based amorphous alloys, recent studies review *(Japanese)* 2−15130
Co-Cr films for perpendicular mag. recording, opposing targets sputtering deposition 2−13834
Co-Cr films for perpendicular recording, RF sputtering deposition 2−15128
Co-Cr films with perpendicular magnetic anisotropy, RF sputtering prep., coercivity and X-ray orientation 2−15126
Co-Cr perpendicular recording medium by vacuum deposition, mag. and struct. props. 2−15127
Co-Ni-W sputtered film, recording performance and mag. props. 2−15193
Co-P chemically deposited film, mag. props., effects of activation and acceleration 2−5887
Co-P magnetic electroless thin films, effective life 2−20481
Dy-Fe/Gd-Fe double layer film, amorphous, thermomag. writing 2−15149
$Eu_{0.6}Y_{2.4}Ga_{1.26}Fe_{3.74}O_{12}$ film, nondestructive sensing of wall-state transition 2−1561
Fe_xN_{1-x} film, noncrystalline, mag. and recording props. 2−1558
γ-Fe_2O_3 thin film recording media preparation method 2−15195
γ-Fe_2O_3:Ti(Co), sputtered double-layer disk, mag. props., recording charcts. 2−15196
Gd-Fe/Tb-Fe double layer film, amorphous, thermomag. writing 2−15149
$(Sm,Lu,Ca)_3(Si,Lu,Fe)_5O_{12}$ film, domain wall motion, magnetisation and comp. depend. 2−15160
(Y, Gd, Sm, Tm)$_3$(Fe, Ga)$_5O_{12}$, garnet films, grown from PbO-B_2O_3 flux, growth conditions influence on props. 2−13818
$(Y,Sm,Ca)_3(Ge,Fe)_5O_{12}$ film, domain wall motion, magnetisation and comp. depend. 2−15160
YIG films, magnetostatic waves, FMR study 2−15161
$(YTmBi)_2(FeGa)_5O_{12}$ garnet film, (110)-oriented, controlled generation and conversion of wall coded mag. bubbles 2−15142

magnetic transition temperature
see also Curie temperature; Morin temperature; Neel temperature
No entries

magnetic transitions
see also critical fluctuations; ferromagnetic-antiferromagnetic transitions; ferromagnetic-paramagnetic transitions; magnetic transition temperature
crystals, magnetically ordered, use to detect weak signals 2−25441
Fe-Cr-Co-Si (27, 17.5, 1 wt.%), mag. and struct. transitions, mag. props. 2−15211
MnF_2, mag. boundary between spin-flop and paramagnetic regions 2−15673

magnetic traps
see also magnetic bottles
plasma heating in solenoids, ion beam generation expts. 2−17222
vector analysis in general curvilinear coordinates. On the magnetic field in plasma confinement *(Japanese)* 2−4707

magnetic variables control
current source invertor driven induction motor flux control method 2−4180
cutting magnetic radiation monitoring, piezoelectronic transducer *(Russian)* 2−26825
strong pulsed magnetic fields, instrument charcts. *(Polish)* 2−7086

magnetic variables measurement
see also fluxmeters; magnetic field measurement; magnetic permeability measurement; magnetometers
AC parameters automatic meas., by bridge technique *(Chinese)* 2−17106
audio freq. charact. tracer, for soft mag. materials *(Chinese)* 2−22364
coercive force meter, automatic ferromag. probe with cyclic mag. reversal 2−3256
coercivity measurements in particulate systems, kinetic effects 2−15185
cutting magnetic radiation monitoring, piezoelectronic transducer *(Russian)* 2−26825
DC regulator for magnetic meas. equipment 2−24399
electromagnetic measurement range, Endicott, USA 2−21124
hard materials, test methods, review 2−7198
hysteresis-loop parameters of ferrites, automatic ferrometer design 2−26944
inductance and permeability, standard methods *(Russian)* 2−3257
losses and hysteresis parameters, meas. using single strip tester 2−11595

magnetic variables measurement continued
magnetic balance, with superconducting magnet and pair of gradient coils *(Japanese)* 2−11597
magnetic quality control measurement methods for permanent magnets 2−3260
magnetic sheets, normal loss meas., anal. of additional losses due to eddy currents in device *(Rumanian)* 2−17108
MATS, magnetics automated test set, calculator-control, transformers, inductors appl. 2−19907
microwave tensor susceptibility and effective linewidth of polycryst. ferrite, meas. with rotating DC mag. field 2−11594
ring specimens, mag. props. meas. procedure in audio freq. range 2−11596
self-oscillating meters with Λ-diodes, design 2−26827
shielded room, calc. of shielding factor *(Japanese)* 2−3258
steel, elec., nondestructive meas. of mag. props., metrological certification of equipment 2−11593
strong pulsed magnetic fields, instrument charcts. *(Polish)* 2−7086
susceptibility, static, using magnetic balance, electric corrector of zero position 2−3254
susceptibility measurements using biomedical SQUID system 2−22369
susceptibility of ^{4}He and ^{3}He liqs. in high mag. fields, manometric meas. 2−22370
wattmeter metrological charcts. checking against standard reference steel samples 2−17027

magnetic wells *see magnetic traps*

magnetisation
see also Barkhausen effect; coercive force; demagnetisation; magnetic aftereffect; magnetic anisotropy; magnetic domains; magnetic hysteresis; magnetisation reversal; magnetostatic waves; remanence; spontaneous magnetisation
arc-quenching reactor with direct current magnetization 2−12750
autoparametric systems with longitudinal and orthogonal magnetic field, generalised equations *(Russian)* 2−20517
brushless exciter with bridge rectifier, resultant magnetizing force of multiphase winding for a flow of nonsinusoidal current 2−18189
current transformers, highly saturated, transients anal. *(Russian)* 2−18287
electric machines excitation and de-excitation time constants determining procedure 2−27855
EM inspection by inductive method simultaneous magnetization of test and reference samples 2−642
ferrimagnetic film, guided mag. waves, coupling for normal magnetization, quasi-optics 2−9853
ferrite-garnet film, Permaloy coatings, implanted layers, anisotropy effect on magnetisation distrib. *(Russian)* 2−1566
ferromagnetic liquid insulation, spatial distrib. of quantum parameters 2−15076
high power turbosets, parasitic currents, causes and measures 2−12476
magnetic liquids, mag. props. and appls. 2−15122
magnetic two-dimensional dipole props., magnetised bodies 2−1554
measurement procedure for ring specimens in audio freq. range 2−11596
metallic glasses, development and props., overview *(German)* 2−5031
miniature motors, effect of commutation currents on magnetic state of internal annular magnet 2−4249
NOVA satellite, low susceptibility proof mass for trajectory control 2−22640
operations of a three-phase transformer in pulse converters *(Russian)* 2−4279
penetration of an impulsive magnetic field into a ferromagnetic plate *(Russian)* 2−10424
permanent magnets, anisotropic, force anal. 2−15104
perpendicular magnetic recording, wavelength response 2−15167
perpendicular magnetic recording using double-layer media 2−15168
rare earth-transition metal alloys, uniaxial ferromags., review 2−15109
self-excitation of an induction generator *(Russian)* 2−4123
shaded pole motor, math. model 2−4135
soft magnetic materials magnetisation curves and magnetic losses for AC and DC voltages *(Polish)* 2−1555
soft non-iron based alloys, properties and applications *(Czech)* 2−25419
steel, anisotropic, electrical, crystallographic texture in moving strip, inspection 2−644
synthesis of magnetic systems using permanent magnets and piece parts with fixed permeability *(Russian)* 2−20520
thin films heads, asymmetric, response to vertical and horizontal magnetisation 2−15191
topography of the field of residual magnetization and its gradient in impulse-local magnetization 2−3259
transition metal-base amorphous alloys, mag. props., comp. depend. 2−15134
Cu-Nb_3Sn untwisted composite, AC losses, critical current density 2−9894
ErIG, mag. props. in high mag. fields up to 150 kOe 2−9852
Fe-Cr-Co-Si (27, 17.5, 1 wt.%), mag. and struct. transitions, mag. props. 2−15211
Fe-Ni ferritic alloys, mag. and mech. props., telephone receiver appl. 2−15152
Fe-Si (3 wt.%), energy loss anomaly study 2−15113
Fe-Si (3 wt.%), grain oriented, magnetised, effect of stress on mag. props. 2−15118
Fe_4N powder, magnetic recording tape prep., electron microscope obs. 2−20500
γ-Fe_2O_3:Ti(Co), sputtered double-layer disk, mag. props., recording charcts. 2−15196
Li-Ti-Zn ferrite, effect of MnO_2 and Bi_2O_3 additives on props. *(Slovak)* 2−1565
Mn-Al-C, permanent mag., magnetisation props., −50 to 150°C 2−15110
$(Ni_{0.5}Cd_{0.5}O)_{1-x}(Fe_2O_3)_{1+x}$, mag. and elec. props. 2−25421
$Ni_xCu_{(1-x)}Fe_2O_4$ $(0\leq x\leq 1)$ ferrites, structural and magnetic properties 2−1563
NiFe chevron elements, 90° symmetrical, magnetisation processes and distrib. 2−15123
$Ni_{1-x}Zn_xFe_2O_4$, mag. and elec. props. 2−25421
$SmCo_5$ magnet, for portable NMR spectrometer, props. 2−15209
$SmCo_5$ sintered mag. alloys, domain wall pinning and nucl., mag. viscosity obs. 2−15132
Sr ferrite, magnetization, milling treatment effect 2−15139
$SrOxFe_2O_3$(SFI) permanent magnets, magnetisation by transient periodic oscillations *(Croatian)* 2−11598
T-M amorphous alloys, T-Fe, Co, Ni and M=B, C, P, ferromagnetic glasses study 2−5885

magnetisation continued
(Y, Gd, Sm, Tm)$_3$(Fe, Ga)$_5$O$_{12}$, garnet films, grown from PbO-B$_2$O$_3$ flux, growth conditions influence on props. 2−13818
(YGdCa)$_3$(FeVM)$_5$O$_{12}$ (M=In, Zr), magnetostatic losses and saturation magnetisation temp. depend. 2−15154
YIG epitaxial layers, Xe^+ irrad., magnetisation, Faraday rot. and FMR linewidth 2−15156
YIG ferrite rods, parallel-axially magnetized, surface modes 2−1562
$Zn_xCu_{0.1}Fe_{2.9-x}O_4$, (x=0.3, 0.4, 0.5) polycrystalline ferrites, initial permeab. and var. of magnetisation with Zn content 2−9855

magnetisation reversal
bubble devices with Permalloy overlays, magnetization processes 2−15233
coercive force meter, automatic ferromag. probe with cyclic mag. reversal 2−3256
ferrites, polycrystalline, distrib. of amplitudes of magnetisation jumps *(Russian)* 2−15159
Fe-B(-Ni) based metallic glass, amorphous ribbons and toroids, pulse magnetisation losses 2−15112

magnetism
see also antiferromagnetism; band model of magnetism; diamagnetism; electromagnetism; ferrimagnetism; ferromagnetism; geomagnetism; Ising model; magnetic moments; paramagnetism; rock magnetism; superparamagnetism; weak ferromagnetism
electric circuit fundamentals, book 2−13199

magneto-optical devices
amorphous magnetic film erasable optical disc memory with laser diode 2−11252
bistable magnetooptic switch using YIG cryst. with phase matching f ilms 2−10091
fibre-optic magnetooptical grating switch 2−15354
irregular magneto-optical waveguides 2−1696
microwave and optics components, CAD and materials technology, review 2−14295
modulator with crystal in separated auxiliary field 2−20693
multipoint wireless digital X-Y selection scheme 2−10072
optical line printing, magneto-optic pattern generator 2−15356
rare earth iron garnet magneto-optic isolator for optical fibre transmission *(Chinese)* 2−25558
readout head, high freq. response 2−15197
readout technique with high speed and high sensitivity 2−15355
Dy-Fe/Gd-Fe double layer film, amorphous, thermomag. writing 2−15149
Fe garnet magneto-optic storage light control and display components, use of integrated thin-film techniques *(German)* 2−20694
Gd-Fe/Tb-Fe double layer film, amorphous, thermomag. writing 2−15149
YIG Faraday rotator for polarisation independent optical circulator 2−11085

magneto-optical effects
see also Faraday effect; Kerr magneto-optical effect; magnetoabsorption; optical constants; Zeeman effect
IV-VI semiconductor, defect states, optical and magneto-optical meas. 2−9469
semiconductors, conference, Hakone, Japan (Sept. 1980) 2−13151
CaO(S)(Se):Pb^{2+} phosphors, luminesc. spectra, mag. field effect *(French)* 2−20734
GaAs crystals and solid soln., hot electron luminescence 2−25593
GaAs-AlGaAs DH injection laser, active layer radiative processes in strong mag. field 2−25796
GaAs-AlGaAs DH laser with p-type active layer, operation in mag. field 2−6209
He-Cd laser operation in nonuniform mag. field *(Chinese)* 2−10194
MgS:Pb^{2+} phosphor, luminesc. spectra, mag. field effect *(French)* 2−20734
MnBi magneto-optic interferograms, spectral investigation, recording problems, binary threshold model *(Russian)* 2−10388

magnetoabsorption
InAs-GaSb superlattices in high magnetic fields, band struct., elec. and optical props. 2−14688

magnetoacoustic effects
magnetomechanical acoustic emission, NDT internal stress meas. 2−625
semiconductor laser with magnetoacoustic transitions, threshold characts. calc. 2−1929
steel, constructional, heat treatment inspection by electromagnetic-acoustic method 2−645
n-InSb, hot electrons, energy loss mechanisms 2−14642

magnetoacoustics *see magnetoacoustic effects*

magnetocaloric effects
see also magnetic cooling; thermomagnetic recording; thermomagnetic treatment
pyromagnetic radiation detectors *(Russian)* 2−7104
Fe-Cr-Co-Si (27, 17.5, 1 wt.%), mag. and struct. transitions, mag. props. 2−15211

magnetocrystalline anisotropy *see magnetic anisotropy*

magnetoelastic effects
amorphous magnetic materials, mag. props., applications in electronics 2−20482
buckling, finite element analysis and expts. on three-coil superconducting partial torus 2−9958
electromagnetoelastic buckling on three-coil superconducting partial torus *(Japanese)* 2−5972
magnetoelastic instabilities in superconducting structures and Earnshaw's theorem 2−9957
superconducting devices, conf., Chicago, USA (Nov. 1980) 2−8158

magnetoelastic waves
No entries

magnetoelectric effects
EM wave propagation in optically active and magnetoelec. media of arbitrary geometry 2−25928

magnetofluidynamics *see magnetohydrodynamics*

magnetogasdynamics *see magnetohydrodynamics*

magnetohydrodynamic conversion
channel heat and seed recovery 2−12934
channel performance anal. 2−12928
closed cycle, feasibility study 2−12931
control aspects in open cycle MHD power plants 2−7795
development and utility 2−12926
development of steam generator components for open-cycle MHD 2−18128

magnetohydrodynamic conversion continued
direct conversion of nuclear energy to electrical energy *(Czech)* 2−8017
disc generators characts. 2−12929
liquid-metal MHD cycle operation for solar collectors and fossil-fuel combustors 2−23650
mHD coal combustor development status 2−8015
open cycle, heat and seed recovery 2−12933
open-cycle diagonal type MHD generator three-dimensional anal. using equivalent circuit method 2−18604
open-cycle MHD generator channel development 2−18607
power consolidation DC to AC invertor system, digital simulation 2−23651
retrofit of a coal-fired open-cycle liquid-metal MHD to steam power plants 2−12932
steam power plant, simulation of dynamics 2−12495
superconducting magnets status 2−5978
superconducting magnets testing facilities 2−5979
test facilities 2−12930
NO_x chemical kinetic modelling 2−12092

magnetohydrodynamic convertors
1200 MWth coal fired MHD conversion system, closed cycle, investigation *(Dutch)* 2−8014
advances in coal fired MHD generator research 2−18611
channel elec. characts., net method calcs. 2−12918
channels, mass and convective and radiative heat transfer 2−4376
combustion plasma, ethanol-fuelled, potassium-seeded, electron and positive ion concentration measurements 2−4377
diagonal channels wall leakage effect 2−18606
Faraday generator, sectioned channel, nonuniform loading, numerical study 2−12924
Faraday MHD generator, unsteady processes, numerical calcs. 2−12919
generator, electrical circuit, transient processes self-excited oscillations 2−12925
generator, two-phase flow, electrical conduct. distrib. parameters anal. 2−12920
generator with steam bottoming plant 2−18610
linear induction MHD machine, drum-type windings, electrodynamic approx. 2−12923
liquid-metal, effect of void fraction nonuniformity, in presence of wetting layer, on convertor performance 2−4375
MHD/steam power plant, promise, progress and problems 2−23100
multiphase boiling, performance anal. 2−18609
noble gas MHD generators, nonequilibrium condition 2−18608
open cycle MHD power plant development, technical and economic aspects 2−4378
open-cycle linearly-diverging diagonal-type single and multiple load, performance anal. using new quasi-two-dimensional theory 2−18605
solar MHD convertor, high temp. operation 2−28129
SONRES for measurement of relative spatial seed distribution in channel of MHD power generator 2−12921
status report on MHD generator materials 2−18612
transverse-current inductive MHD machines, magnetic field effects 2−12922
viscous and thermal wakes development, influence on convertor performance 2−4374

magnetohydrodynamic generators *see magnetohydrodynamic convertors*

magnetohydrodynamic waves
atmosphere with anisotropic conductivity, large-scale perturbations propag. 2−21103

magnetohydrodynamics
see also magnetohydrodynamic conversion; magnetohydrodynamic convertors; magnetohydrodynamic waves; plasma magnetohydrodynamics
convective and radiative heat transfer in MHD radiant boilers 2−28130
heat transfer scaling laws for MHD channels and diffusers 2−28131
LMFBR, MHD phenomena in cooling system 2−27652
MHD/steam power generation anal. 2−12927
superconducting devices, contemporary and future applications 2−9952

magnetomechanical effects
see also gyromagnetic effect; magnetoelastic effects; magnetoelastic waves; magnetostriction
ferrites, soft, press. effect on magnetisation mechanisms 2−15157
magnetomechanical acoustic emission, NDT internal stress meas. 2−625
multi-poled AC coil, force on cylinder placed eccentrically in magnetic field *(German)* 2−27858
Fe rich amorphous alloys, stress-mag. effects and shock-stress sensors with no power 2−20523
Fe-B-C-Si, amorphous low core loss materials, comp. and heat treatment 2−15133
Fe-Si (3 wt.%), grain oriented, effect of tensile stress on domain wall motion and wall bowing 2−15117
Fe-Si (3 wt.%), grain oriented, magnetised, effect of stress on mag. props. 2−15118
Fe-Si (3 wt.%), with (110) surface, domain wall angles, stress effects 2−15119

magnetometers
see also magnetic field measurement
flux-gate, excited by square-wave generator, calc. method *(Chinese)* 2−17105
fluxgate, sensitivity calc. w.r.t. meas. coils dimensions *(Chinese)* 2−22365
fluxgate magnetometer with two 6-81 Mo permalloy core sensor 2−9864
Gough-Reitzel magnetometer, second generation instruments 2−7425
low-energy electron magnetometer for terrestrial and aerial mag. field meas. 2−3604
microwave magnetometer, fluctuations as basis for quantum transformer of magnetic flux *(Russian)* 2−27264
near-Earth spacecraft, attitude determ., in-flight magnetometer calibration 2−17485
NMR, using flowing water *(Chinese)* 2−17107
ocean bottom proton magnetometer, design and testing 2−22717
proton precession magnetometer, based on principle of NMR for geomagnetic field meas. *(Chinese)* 2−22713
pulsed magnetic field meas. in accelerating system of collective heavy-ion acc elerator 2−11689
pulsed magnetic field meas. in accelerating system of collective heavy-ion accelerator 2−17196
research activities at Electrotechnical Institute, Slovak Acad. of Sciences, review 2−9881
review of magnetometry 2−22367
spinner magnetometer, operation and principle 2−3584

magnetometers continued
SQUID, detection of magnetocardiogram, clinical magnetocardiology approach *(Japanese)* 2−11901
SQUID, flat DC thin film, appl. and technique for biomag. meas. 2−11895
SQUID magnetometer, 7-channel, for brain research 2−22531
SQUID magnetometer, curious behaviour of superconducting thin films *(Japanese)* 2−5942
SQUID magnetometer, using Nb thin-film microbridge, biomagnetic appl. 2−17016
SQUID magnetometer using ^{3}He, performance limits and appl. 2−16962
SQUID susceptometry, return-flux corrections 2−7196
SQUID system, multielement RF, applic. to mag. vector gradiometer 2−25449
superconducting, use in high mag. fields, mag. moment and susceptibility meas. 2−22257
thin film inductance variation magnetometer, factors affecting performance 2−20549
time-derivative magnetometers to be installed on spacecraft, development *(Japanese)* 2−3579
torque magnetometer, microcomputer-controlled for on-line data analysis 2−22070
two-element tuning circuit for NMR magnetometer, prop. anal. 2−9018
UHF SQUID magnetometer, at 4.2K, miniaturised and AC-biased 2−16926
Cs magnetometer spin generator, reson. freq. stabilisation with modulated optical pumping 2−26945

magnetooptics *see magneto-optical effects*

magnetoplasma *see plasma*

magnetoplasmadynamics *see plasma magnetohydrodynamics*

magnetoresistance
see also Corbino effect
bubble detectors, S/N ratio, shape anisotropy 2−15221
bubble devices with Permalloy overlays, magnetization processes 2−15233
coupled film magnetoresistive head, high track density 2−15179
ferromagnetic thin-film magnetoresistive transducers 2−26815
IV-VI semiconductor, magnetoresistance strong and weak-field effects 2−9471
magnetic recording head, comparison with shielded one-sided planar Hall transducer 2−15180
magnetoresistive dual-element read/write head 2−15201
magnetoresistive heads 2−15178
n^+-p-p^+ structures, negative differential conductance in mag. field 2−14684
narrow band gap semiconductors 2−15281
Permalloy bubble detectors, magnetoresistive, noise anal. 2−15220
perpendicular recording read/write head with reluctance leg 2−15200
quantum transport theory of magnetocond. 2−5543
semiconductor, nonlinear galvanomagnetic effects, phonon heating and drag 2−14609
semiconductor, nonohmic, nonreciprocity and magnetoresistance size effects, phonon heating and drag 2−14610
semiconductor film, carrier mobility and resistivity, spreading magnetoresist. determ. 2−24914
semiconductor resistance thermometer, 0.02 to 300K 2−11455
semiconductors, polar, magnetoresist. 2−9399
thin film detector stripes, aspect ratio 2−16937
thin film sensors, Barkhausen noise 2−15234
$Al_xGa_{1-x}As$-GaAs heterojunction FET, magnetoconductance, g-factor, gate voltage 2−20270
$Al_xGa_{1-x}As$-GaAs heterojunction FET, transport props. 2−20250
$Al_xGa_{1-x}As$-GaAs heterojunction FET, magnetoconductance, g-factor 2−20269
Cd_3As_2, amorphous films, elec. transport props. 2−20105
$Cd_xHg_{1-x}Te$, magnetophonon reson. of nonequilib. carrier density 2−5563
$FeCr_{2-x}In_xS_4$, electrical props. 100 to 650K *(Russian)* 2−5587
$Ga_{1-x}Al_xSb$:Te, high field magnetotransport props. under hydrostatic press., direct-indirect band transi-tion 2−5571
GaAs FET, magnetoresistance oscills. and transition from 3-D to 2-D cond. low temps. 2−25243
n-GaAs, magnetophonon effect of hot electrons 2−14659
GaAs:Cr n^+-n-n^+ diode struct., magnetosensitivity, effect of strong carrier accumulation 2−25193
GaAs-$Al_xGa_{1-x}As$ superlattice, energy levels and cond. in appl. mag. field 2−5605
GaAs-$Al_xGa_{1-x}As$ superlattice, mag. quantisation and transport 2−14689
GaAs-GaAlAs heterojunction, localisation and interaction effects in electron gas 2−9481
GaSb, electron transport and conduction band struct. 2−24963
GaSb:Te and GaSb:Te,Zn, charge transport characts., 80 to 700K 2−20080
n-Ge, (001) plane, weak field magnetoresist. skewness, galvanomagnetic coeffs. 2−9405
n-Ge, impurity elec. resist. in quantising mag. fields 2−5537
n-Ge, impurity elec. resist. anisotropy in quantising mag. fields 2−5538
Ge, magnetoresonance, electron-hole droplet, quantum transport theory 2−5543
Ge, point defects and disordered regions due to irrad., magnetoresist. meas. 2−5540
$Hg_{0.8}Cd_{0.2}Te$ bolometer for mm wave radiation detection 2−16991
$Hg_{0.9}Cd_{0.1}Te$, electron freezeout and hopping cond., magnetoresist. and Hall effect meas. 2−1185
$Hg_{1-x}Mn_xTe$, acceptor-state cond. in mag. fields 2−5594
$Hg_{1-x}Mn_xTe$, longitudinal magnetoresist. in quantising mag. field 2−5596
n-InAs, magnetoresist. hysteresis in elec. field 2−9440
InAs-GaSb superlattices in high magnetic fields, band struct., elec. and optical props. 2−14688
n-$InAs_{0.65}P_{0.35}$, transverse magnetoresist., Boltzmann equation calc. 2−14649
InP, MM-wave transferred electron oscillators 2−953
InP:S VPE layers, effect of doping on mobility, Hall effect and magnetoresistance meas. 2−24991
n-InSb, Landau levels nonthermal broadening, transverse magnetoresist. and photomag. effect 2−5560
p-InSb, light and heavy hole mobility and conc., effect of dislocations *(Russian)* 2−14657
n-InSb, magnetophonon effect of hot electrons 2−14659
PbS, monocrystalline, negative magnetoresistance effects 2−9462
PbTe (111) epitaxial thin films, elec. transport props., thermal-cycling induced changes 2−9465

magnetoresistance continued
PbTe film, magnetoresistance strong and weak-field effects 2−9471
Si (100) MOS inversion layers, transverse and Hall conds., temp. depend. under strong mag. fields 2−14732
n-Si crystals, electron scatt. by clusters, Hall effect and magnetoresist. study 2−14631
Si inversion layers, electron transport in high mag. fields 2−14731
Si, inversion layers, magnetoconductance and weak localisation 2−14725
Si, point defects and disordered regions due to irrad., magnetoresist. meas. 2−5540
Si:Au n-n^+ diode struct., magnetosensitivity, effect of strong carrier accumulation 2−25193
Si-MOS n-inversion layers, Anderson localisation and negative magnetostresistance *(Japanese)* 2−14721

magnetoresistivity *see magnetoresistance*

magnetospheric electromagnetic wave propagation
antipodean focus of decametre waves, interference interpretation 2−2127
electrojet, equatorial, magnetic storm time elec. field changes, VHF backscatter- from plasma irregularities 2−6327
nonducted coherent VLF waves, particle interactions 2−10480
plasmasphere extended region, VLF noise propag. 2−15693
radiowave oblique ordinary mode propag. in plasma 2−25942
ray trajectories of EM modes radiation from inhomogeneous magnetoplasma, theory 2−10516
rocket effluent effects assessment 2−6329
VLF hiss and whistlers, mechanisms, obs. at Srinagar 2−21097
VLF wave-particle interactions, Exos-B satellite-Siple Station expts. *(Japanese)* 2−3593
whistler mode sideband generation on VLF wave injection 2−2140
whistlers trapping in ducts wit- tapered ends 2−15705

magnetostatic wave devices
forward volume wave reflective dot arrays 2−15217
stratified gyrotropic structure with arbitrary orientation for magnetized field 2−20526
YIG epitaxial layers, magnetostatic wave devices 2−15216

magnetostatic waves
ferrimagnetic film, guided mag. waves, coupling for normal magnetization, quasi-optics 2−9853
ferrimagnetic multilayered struct., magnetostatic bulk waves excitation 2−9867
maser paramagnetic crystal, amplification of surface magnetostatic spin wves, calc. 2−1823
variational method of waveguide struct. calcs. 2−15756
YIG epitaxial layers, magnetostatic waves anisotropic propag., expt. and computer simulation 2−15153
YIG films, magnetostatic waves, FMR study 2−15161

magnetostriction
hysteresis loop tracer, low freq., for amorphous ribbons 2−22368
piezomagnetic materials, internal damping and mag. permeability disaccommodation, automated recording method 2−22093
soft magnetic materials development, mag. anisotropy and magnetistriction meas. 2−15102
spherical samples, diameter increment meas. using strain gauge technique 2−11621
transition metal-base amorphous alloys, mag. props., comp. depend. 2−15134
Fe-based amorphous alloys, recent studies, review *(Japanese)* 2−15130
Fe-Si (3 wt%) sheets, grain oriented, remanence theory in presence of external stresses 2−15115
Fe-Si (3 wt.%), grain-oriented, magnetostrictive props. of individual grains 2−15116
Fe-Si alloys, high Si content, mech. and mag. props., recent studies 2−15114
Fe-Si-Al single crysts., mag. props. near Sendust comp. 2−15124
$(Fe_{0.82}B_{0.18})_{0.9}Tb_{0.05}La_{0.05}$, amorphous and crystallised, mag. props. 2−9850
$Fe_{74}Co_{10}B_{16}$ metallic-glass fibre-optic phase modulators 2−21837

magnetostrictive devices
average temperature transducer using amorphous magnetic tape 2−16936
bimaterial elements, bonding 2−20524
magnetographic printing, new thin film scanning head 2−15166
sensor using amorphous Wiegand-type ribbons 2−20522
transducer, efficiency increase feasibility study *(Russian)* 2−20525
transducers, effect of induction component on magnetostrictive const. determ. 2−1578
US magnetostrictive transducers, power operation, optimality 2−15215
Co-Cr magnetostructure film on YZ-$LiNbO_3$ substrate, SAW delay line 2−15218
Fe rich amorphous alloys, stress-mag. effects and shock-stress sensors with no power 2−20523
Fe-Co alloy sheet magnetostrictive data tablet *(Japanese)* 2−5906

magnetostrictive microphones *see microphones*

magnetostrictive transducers *see magnetostrictive devices; transducers*

magnetothermal effects *see magnetocaloric effects*

magnetrons
coaxial cavity magnetron, spurious modes, identification, field anal. 2−24871
cylindrical magnetron, electron trajectories for multi-freq. regime *(Russian)* 2−24867
discharge initiation by gas magnetron in cold hollow cathode system 2−1085
gas magnetron under conditions of intense cathodic sputtering 2−24869
injection gun, cold cathode, for relativistic electron beams 2−14563
injection guns for gyrotrons, improved computer modelling 2−14572
oscillating relativistic magnetron, numerical solution 2−1113
relativistic derivation from isochronism, operation under conditions of cyclotron resonance 2−20017

magnets
see also electromagnets; permanent magnets; superconducting magnets
continuous high mag. field generation using water-cooled and hybrid magnets 2−15279
Plamac engineering plastic magnet, characts., appls. 2−19462
Sm-Co magnet, Sony MDR3 featherlight headphones appl. *(German)* 2−16726

magnitude convertors
see also transducers
capacitance meas. by frequency-to-voltage convertor IC 2−14266

mail *see postal services*

mail (electronic) *see electronic mail*

maintenance *see maintenance engineering*

maintenance engineering
see also computer maintenance
6 kV cables, routine checks, optimum sheduling at steel plants *(Russian)* 2−18790
airconditioning plants, measuring and testing instruments 2−13100
aircraft, human performance and reliability *(French)* 2−22584
AMP SOLARLOK connector for photovoltaic modules, reliability and maintainability 2−23634
analogue transducers transfer functions *(Russian)* 2−8231
ATE appl. to military electronics maintenance, commercial appl. of military experiences 2−26767
ATE design for productivity, w.r.t. maintainability and testability 2−22134
ATE management, MIS for shop supervisors and managers 2−22115
auditing the QA systems of motor repairers 2−23957
avionic subsystem maintenance information storage by electronic nameplate 2−3558
Black Mt. Telecom. Tower, Canberra, building engineering services 2−23968
boiler operating equipment availability improvement 2−18013
British Rail electronic equip. for traction and rolling stock, design, maintenance and repair 2−16911
cable laying and jointing equipment for increased productivity *(Czech)* 2−27550
cable tunnel management system 2−26380
calculating reliability during optimum planning of maintenance operations in a power system *(Russian)* 2−27428
carrier phone systems, installation, maintenance and improvement, Bureau of Mines handbook 2−23875
central expert support for maintenance and installation 2−16277
coal-fired boiler plant, mechanical stokers charact. 2−7723
coal-fired boiler plant maintenance 2−3910
complex industrial system optimal time intervals *(Russian)* 2−8229
condition monitoring, economic aspects and choice of system 2−8237
condition-based maintenance programme implementation 2−4611
control and meas. system distribution function 2−8215
control gear for offshore oil platforms, reliability requirements 2−23398
damaged wood pole repair, field reinforcement, cost savings 2−27565
DDX public packet switched data network appl. *(Japanese)* 2−6711
diagnostics, statistical prediction of parameters *(French)* 2−13248
diagnostics and improvements in the reliability of systems of group control of active power of hydroelectric stations *(Russian)* 2−23163
diesel engine plants computer aided performance monitoring and diagnostic system *(Japanese)* 2−18045
digital switching system, field experience, at Continental Telephone 2−10939
digital tuning ccts. *(German)* 2−9176
dispersed automation plant layout calc. *(German)* 2−54
domestic refrigerators and deep freezers, employing electronic protection and control circuits *(German)* 2−4481
drum car for contact line maintenance on new lines and lines to be reconstructed *(German)* 2−18959
education, electronic systems support effectiveness improvement 2−18913
electric equipment for maintenance of live LV/MV networks, recommended tests and standards *(Hungarian)* 2−18958
electric generation assemblies maintenance using data processing *(Croatian)* 2−13235
electric motors, systematic planned maintenance 2−7804
electrical apparatus service centres, role in energy/material conservation 2−23244
electrical equipment, preventive maintenance, optimum interval determ. 2−4620
electrical plant, condition monitoring using desktop microcomputer 2−18940
electronic telephone exchanges, maintenance measures deduced from investigations into reliability *(German)* 2−4619
electronics skill shortage increases industry's problems in Britain 2−18941
emergency lighting, maintenance 2−23739
energised power systems, preventive programmed maintenance and tests 2−8242
engineering equipment, maintainability importance 2−132
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems, design and construction 2−3871
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems 2−3874
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems, design and construction 2−7684
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems 2−7686
explosion-proof gear 2−4613
fault diagnosis and repair, importance of technical documentation 2−151
fault diagnosis in maintenance tasks, Adaptive Computer Training System 2−18909
fleet maintenance, (S-1, S) spare-part inventory policy 2−18954
flue gas desulphurisation systems, technical and economic evaluation factors 2−23078
Focus System Five digital central office architecture 2−2629
generating facilities optimal preventive maintenance, reduced tree search 2−22820
German Federal Railway's electric tractive units service and running order anal. for optimised operationability *(German)* 2−23958
hardsurfacing steel rolls by plasma-MIG method, cost savings and service life improvements 2−23970
hazard of burns from electric arc blast 2−8241
high-power transmitters, assembly and maintenance work *(German)* 2−11171
human detection and diagnosis of failures, conf., Roskilde, Denmark (Aug. 1980) 2−18961
HV switchgear quality assurance 2−12747
HV transformers, operating behaviour of insulation oils 2−7905
hydroelectric power station maintenance cycle economic improvements *(Russian)* 2−27786
in-service surveillance for French PWRs, present and future techniques 2−12395
incipient failure detection using HF acoustic emission technology on rotating machinery and process plants 2−12120
index cards for electrical machine construction works *(German)* 2−27849

maintenance engineering continued
industrial electrical installations protective measures and maintenance *(Italian)* 2−22954
industrial systems involving maintenance and repair, computer simulation 2−4752
ITT 1210 Class 5 digital switching system, control and supervision of remote like units 2−10921
ITT 1240 Digital Exchange: operations and maintenance 2−26362
Ku-band satellite communication system organisation in moderately industrialised countries 2−21805
large transformers, on site repair and maintenance *(German)* 2−12696
leased cct. remote testing system, centralised maintenance system 2−26731
lighting energy and maintenance 2−8085
LMFBR power plant experience, published Phenix data summary 2−23058
LV lime networks, maintenance *(Hungarian)* 2−22941
LV networks procedures for live working in Hungary *(Hungarian)* 2−27492
LV plants of the German Post, determ. of spare part requirements *(German)* 2−28047
LV switchgear and control gear, maintenance procedures 2−8220
machine condition monitoring 2−13249
machine maintenance for industrial buyers, factors influencing buying decisions *(French)* 2−18950
maintenance management decision making, use of mathematical models 2−13233
maintenance of electromedical equipment in India 2−13236
marine power plant reliability data flow control by man-supervision system 2−4005
medium current ion implant systems, manufacturing advantages for remote control 2−5667
metallic return transfer breaker for HVDC transmission system maintenance 2−12232
microprocessor systems, field service, tools, future requirements 2−23963
mine power system, optimal spares provisioning technique for consumable items 2−17664
multiple circuit transmission lines, optimal repair rates 2−12269
Navy's ATE management, workload and cost savings forecast utilizing supply support data 2−22116
Navy ATE maintenance concepts development 2−26765
Navy ATE systems on-line certification 2−22144
NDT in maintenance inspection, developments *(Dutch)* 2−13250
new service instructions for DC electric locomotives *(Russian)* 2−28167
noise suppression in cassette tape recorders *(German)* 2−11289
Norwegian digital telephone system, operation and maintenance *(Norwegian)* 2−26222
nuclear plant outages, minimum downtime and radiation exposure 2−27627
nuclear power station, Swiss programme *(German)* 2−23005
nuclear power station, Swiss programme *(German)* 2−23006
nuclear power station, Swiss programme *(German)* 2−23008
nuclear power stations, maintenance personnel radiation exposure reduction measures, economic evaluation *(Russian)* 2−17858
online diagnostic instrum. in nuclear power plants, experiences 2−12365
online monitoring and surveillance equipment, reliability and cost effectiveness 2−8240
online surveillance and monitoring of plant reliability, conf., London, England (Sept. 1980) 2−8236
optical fibre trunk cable transmission characteristics and structural design 2−2803
optimal conditions for preventative replacement *(French)* 2−23962
oscilloscopes, portable, for field service industry 2−3176
packet-switched networks, X.25 link-level software testing 2−26299
partially alarmed hardware modules 2−147
PCB assembly line maintenance, selection and training of technical staff 2−14498
peak power power stations using RD-3M aircraft engines *(Slovak)* 2−27668
pebble bed reactor design for easier construction and maintenance *(German)* 2−27635
plant condition monitoring in Japan, trends 2−8239
plant design, feedback of reliability and maintainability 2−4627
pneumatic factory units automisation, effects on maintenance function *(French)* 2−18951
power plant maintenance scheduling problem formulations 2−17792
power plant optimum reliability and cost considerations 2−23925
power transformers, erection, commissioning and maintenance 2−27967
power transformers, repair and maintenance 2−27968
power transmission lines, live working at high voltages 2−7558
predictive maintenance methods for transformers 2−27969
preventive maintenance optimisation, parametric models for small samples 2−13246
process control systems *(Hungarian)* 2−4621
PWB conformal coating repair techniques for USAF electronic systems 2−14379
PWB repair, organization in factor and field, overview 2−5424
radiation exposure in nuclear power plants, reduction by preventive maintenance 2−17839
radio equipment servicing, training technicians 2−10954
railway line maintenance planning, allocation and equipment *(French)* 2−23696
railways, conf., London, England (Nov.1981) 2−8144
real time digital data acquisition system for power system load charact. determ., operating instructions, software operation, installation, troubleshooting, and maintenance 2−17645
redundant subsystems in production plant, merits and effects on safety and reliability *(Dutch)* 2−4614
repair, restoration, and revitalization of large induction motors 2−18226
repair and testing approaches for printed circuit boards 2−4684
respiratory hazard protection in a radioactive environment 2−27629
safety, availability, and maintenance evaluation for redundant systems 2−18938
salvage of damaged electronic equipment, new methods *(German)* 2−4622
satellite ground stations, India 2−21788
selection, operation and maintenance of power capacitors 2−5377
ship built-in-test design guidelines for hull, mechanical and electrical systems 2−22117
SIEMENS SYSTEM EDS text and data switching system, on-line maintenance by exchange site program 2−10938
silicone transformer liquid, use, maintenance and safety 2−4264

maintenance engineering continued
SPC telecommunication system, surveillance and maintenance *(Croatian)* 2−10760
stator coil manufacture, cost effective approach 2−23956
steam generator and allied equipment availability improvement 2−18010
steam generator degradation and nuclear power costs, generic problem 2−3943
steam turbine blade tenons, reforming in situ method 2−27700
steam turbines 210 MW, operation and maintenance 2−17967
subscriber line network, experimental methods of systematic maintenance *(Finnish)* 2−21440
system complexity, diagnostic behaviour and repair time, predictive theory 2−18962
system of technical maintenance and servicing of equipment *(Russian)* 2−13251
telecommunication cable, underground, pressurised, computerised monitoring 2−16318
telecommunication network transmultiplexer exploitation and advantages 2−6677
telecommunication system connection reduction without loss of availability by facility grouping leading to easier maintenance *(Croatian)* 2−26194
telephone cable, moisture damage, electronic monitoring system 2−16319
telephone exchanges, remote, maintenance, control and protection 2−10919
telephone network, digital, planning and operation 2−10791
telephone repair efficiency improvements 2−2574
telephone subscriber line maintenance service system 2−18956
telephone systems, pair gain system on fibre 2−10776
test instruments for electricians and maintenance men 2−22311
testability assessment of a system design 2−23972
TGV, high-speed train, rolling-stock maintenance *(French)* 2−23700
thermal process heating, collector cleaning costs 2−23208
track maintenance and renewal, computerised and control and planning methods 2−13024
transformers, cost effective opeating regime determ., math. model *(Rumanian)* 2−12690
turbomachinery shutdown decisions, spectral analysis and other methods 2−27874
TV broadcast equipment, training courses 2−26585
TV transmitters and transposers, RF tests using Maintenance Automatic Test Equipment 2−22066
urban telephone network technical maintenance organisation 2−10904
URD systems, long term reliability and maintainability problems 2−7543
vertical motors, lower guide bearing maintenance 2−12596
washing insulators in the Saudi Arabian desert 2−27564
wave energy, maintenance and repair requirements 2−23171
wooden poles maintenance and checks for rot, economics *(Finnish)* 2−27545
working in live MV networks in Hungary, practical problems *(Hungarian)* 2−3746

majority algebra *see algebra*

majority logic
see also logic circuits
1-step majority-logic decoding with two rounds of estimation, error correction capabilities 2−2292
packet error control method using majority-decision logic 2−10740

Malter effect *see secondary electron emission*

man-machine systems
see also ergonomics
ATE, operator test control and interface evaluation 2−26770
automatic testing in production *(Italian)* 2−22045
communication, by means of speech signals *(German)* 2−26105
communications-computing synthesis as extension of human perception and reasoning 2−21607
Contronic 3 automation system, centralised monitoring subsystem *(Italian)* 2−16889
dialogue systems for information retrieval by large number of subscribers 2−21632
human detection and diagnosis of failures, conf., Roskilde, Denmark (Aug. 1980) 2−18961
human/systems communication, speech at the interface 2−10673
large scale command and control centres, man/machine interface definition 2−17534
man-computer communications, conf., Waterloo, Ont., Canada (Jun. '81) 2−2504
man-computer communications, conf., Waterloo, Ont., Canada (Jun. '81) 2−10835
marine power plant reliability data flow control by man-supervision system 2−4005
nuclear control room man-machine interface advancement 2−17877
nuclear plant control room organisation-telecontrol and man-machine-process interfaces *(French)* 2−23026
nuclear power plant man-machine interface design features and developments 2−17880
nuclear power plant simulators, human factors design of instructor's console 2−23033
nuclear power plants, Nordic cooperation project on man machine communication 2−7637
process video systems as interfaces between man and process *(German)* 2−22154
speaker-independent word recognition techniques for control of a voice messaging system 2−10676
system complexity, diagnostic behaviour and repair time, predictive theory 2−18962
telephone system, listening computer application 2−16058
text to speech translation, multimedia computer network access systems appl. 2−26293
visually handicapped, issues in man-machine interactions 2−10672

management
see also corporate modelling; e.d.p. management; management science; research and development management
acceptable risk level, issues and problems 2−40
approach to energy policy planning and assessment 2−13227
ATE appl. as management control mechanism 2−8192
BBC engineering management 2−21906
British electrical energy generation and organisation *(German)* 2−17636
cable tunnel management system 2−26380
CANDU-PHW reactor system, on-load fuelling 2−23047
capital expenditure in process plants, corporate view 2−18914

management continued
coal mining optimised planning problems solution using partially-linear programming *(Russian)* 2−13226
coal-fired plants, in-house project management 2−27717
communications management and cooperation with government, conf., Arlington, Virginia, USA (Sept. 81) 2−4578
community repeater sites for land mobile radio systems 2−10987
company telecommunication costs 2−15974
conference, technology for development, Canberra, Australia, (1980) 2−8150
control and monitoring system communications for effective energy use 2−12149
corporate management, computing applns. 2−18928
credit and load management system for an electricity utility 2−7487
custom IC devices test planning 2−18986
daily fossil fuel management programme, optimisation algorithm 2−22833
DDX public packet switched data network appl. *(Japanese)* 2−6711
development indices and the benefits of models regarding planning for development 2−8209
effect of operational organization of electrical networks on their reliability 2−12170
effects of regulation on the behavior of professionally-managed utilities 2−17647
electrical energy production management, East Germany *(German)* 2−3671
electrical engineer's role in London's post-war development 2−18922
electricity generation, economic, social and health risks 2−27324
electricity meter stock central administration and organisation using electronic data processing *(German)* 2−4592
electronics industry, work environment, facilities strategies, management aspects 2−4604
electronics industry quality and reliability aspects, UK vs. foreign competitors 2−4667
electronics industry quality circles in USA and Japan 2−8276
electronics industry test strategies, w.r.t. cost 2−8193
energy, system decisions and reciprocating compressors 2−4597
energy conservation handbook for industrial plants 2−23936
energy management in lighting 2−28222
energy management programme, diversified utilisation 2−12156
Energy Mangement Principles, textbook 2−23937
energy resources, rational planning, Pacific region 2−17813
engineering buyer views, need for professionalism 2−18966
engineering management of desalination plants in Saudi Arabia using fuzzy decision analysis 2−18916
engineering procurement from manufacturer's viewpoint 2−18915
engineers supply-demand pattern, British attitude 2−8189
Federal German Post Office, considerations of uncertainties in profitability calcs. *(German)* 2−8183
Federal German Post Office, effect of pricing charges on profitability *(German)* 2−8182
Federal German Post Office, profitability calculations *(German)* 2−8181
hazard anal., appl. of numerical methods to safety problems 2−8217
health care engineering organisations, management model 2−11978
high rise office energy management scheme using all-electric heating, air conditioning and lighting 2−8092
HV substations construction on turn-key basis, project engineering and management 2−27972
implications of over-illumination in university energy planning 2−28223
industrial installations disposition and infrastructure in the planning *(Spanish)* 2−41
industrial management data, collection and storage *(German)* 2−22183
integrated services digital networks appl. 2−16013
maintenance management decision making, use of mathematical models 2−13233
Mexican electrical sector, research, planning and manpower requirements *(Spanish)* 2−18843
microsystems, conf., London, England (March 1981) 2−23895
multibuilding industrial facility energy management for cost effective operation 2−4593
nuclear power plants, human factors engineering 2−12342
nuclear technology transfer, case study for Australia 2−12372
numbering plan for French telephone networks *(French)* 2−16024
olds, F.C. 2−3852
operating a modern, private electricity supply utility in Great Britain 2−7488
PAPI, management tool for team selection 2−18964
PCBs 'product test plan' preparation procedure 2−19985
performance appraisals of staff, relationship to personnel managerial decisions 2−13210
perimeter intrusion alarm systems, USA testing standards 2−16970
planning and operation methods, models and computer programs 2−27339
power plants planning and programming, fuel price increase effects *(Croatian)* 2−23073
power station design, planning and construction management for adequate QC maintenance *(German)* 2−27601
power system investment decisions anal. and review 2−27432
power systems, optimization methods in planning and operation 2−27431
priority base budgeting, aero base approach to manufacturing overheads 2−18923
product assurance, project manager's guide 2−8301
production test planning, strategy formulation using pyramid concept 2−18974
project engineering responsibilities and requirements 2−18965
project management across cultural barriers 2−8196
quality control, tools for controlling quality 2−8275
regulation of utility waste disposal practices, USA 2−27599
RF emission regulations for electronic equipment, management overview 2−13217
science and technology for a developing world 2−8206
science and technology promotion, Phillipine Scheme 2−8194
SR Croatica electric utility development plan self-management contract *(Croatian)* 2−17622
successful application of management principles in Canadian industry 2−13214
system planning and design using the (n-1) criterion in Germany *(German)* 2−22868
technical aid project in developing country, case study 2−8204
technology and industrial planning 2−8202
technology appropriate for development 2−8197
technology transfer and cultural differences, framework for analysis 2−8205

management continued
technology transfer between developing countries 2−8195
technology transfer to developing couantries, professional aproach. 2−8198
telecommunication industry, AT&T example 2−2416
telecommunication installations, planning methods *(German)* 2−16002
telephone companies, management of capital spending, financing construction programmes 2−42
telephone exchange automation, management strategy 2−16271
terotechnology approach to plant engineering 2−23981
training by computer, telecommun. administration appl. 2−28
understanding energy audits 2−23929
USA military installation energy management using computerised load control 2−8091
use of electronic power transducers for energy management 2−7588

management information systems
see also database management systems; management science
ATE management, MIS for shop supervisors and managers 2−22115
automatic power system short-term load forecasting method 2−12203
Czechoslovak, planning, development and management information systems *(Czech)* 2−27364
electric power generation information system characteristics *(Croatian)* 2−17788
electric utility facility management, computerised graphics systems appls. 2−7478
electrical engineering in medicine, prospectives *(Slovenian)* 2−27106
hospitals, prototype generalised network technology implementation 2−21626
integrated service business networks composed of voice, video and data, development 2−2431
manufacturing organisation with limited manpower, design and process planning *(Swedish)* 2−8251
office system networks, a modular approach 2−6623
PCB manufacturing facilities, management data processing considerations 2−1025
physiological variations, estimation of subject-specific normal ranges based on statistical models 2−273
private network planning and administration, computerised management tool 2−21464
steel industry, energy management systems 2−4491
teleconferencing, advantages and options available 2−11256
telephone directory assistance scheme, Retrivue 2−21453

management science
see also critical path analysis; PERT
electronic production line management, strategy decisions, manufacturing situations, quality 2−13278
optimal operating policies for GI/G/1 queueing system, approximate anal. 2−199
organisation learning, connected with product reliability 2−8330
real time sequencing and scheduling, graphical method 2−8249
time and motion estimates in Bell System Telephone Company 2−8186

management techniques *see management science*

manometers
see also pressure measurement
differential for boiler phase interface level 2−26988
liquid bubble, for low differential heads 2−11660
magnetic susceptibility of ^{4}He and ^{3}He liqs. in high mag. fields, manometric meas. 2−22370

manufacture
see also electron device manufacture; electronic equipment manufacture; steel manufacture
500 MW, two-pole, with water-cooled rotor winding, design and manuf. *(Russian)* 2−4037
automatic spot welding equipment for small component manufacture 2−28299
battery plate formation charging methods to keep pace with industrial demand, state-of-the-art 2−28078
capacitance-graded bushings with insulation of oil-impregnated paper 2−7562
consumer electronics, user data feedback tomanufacturer *(Polish)* 2−13317
EHV insulator fittings, manufacturing parameter importance 2−3777
electric machines, low power, production technology 2−4009
engineering procurement from manufacturer's viewpoint 2−18915
governing and protection system of 200/210 MW steam turbine 2−27711
HV switchgear quality assurance 2−12747
induction motors, explosion-proof, for mines, manuf., quality and reliability *(Russian)* 2−4132
low-power electric machines manufacture in Poland, realisation methods *(Polish)* 2−7884
miniature motors and motor-generators, manuf., influence of starting torque 2−4248
phosphoric acid fuel cell system without noble metals on the anode, realization, application and economics 2−12847
power transformer laminations production problems and solutions *(Polish)* 2−4269
redundant subsystems in production plant, merits and effects on safety and reliability *(Dutch)* 2−4614
stator coil manufacture, cost effective approach 2−23956
tests electrical apparatus and equipment, tests for product development *(Hungarian)* 2−13265
thick film ink formulation and manufacture considerations 2−24831
turbogenerators for nuclear power stations, design and manufacture in Soviet Union 2−12601
XLPE cable technology, basic chemistry and manuf. 2−7549
NaS batteries, beta-alumina electrolyte manufacture and use 2−23411

manufacturing ADP *see manufacturing data processing*

manufacturing computer control
see also computerised numerical control; manufacturing data processing; process computer control
automatic production techniques, hybrid components *(German)* 2−5491
CAD/CAM, gains in printed circuit design and production 2−19947
centralised control by processing unit for multiple spot welding machines and transfer lines 2−4536
continuous vulcanizing extrusion lines, programmable controller and appls. 2−28303
electron beam welding computer control 2−4525
electronics industry appls. of CAD/CAM 2−4631
Eurospark 740 electro-erosion machine, electrochemical erosion, technology *(French)* 2−18811
guided vehicle systems radio link 2−2716
inspection, image analysis and robotics appls. 2−6950
integrated CAD/CAM system using a relational data base 2−89
integrated hierarchical CAD-CAM-CAT system in electronics, engineering design aspects 2−664
laser microsoldering, productivity improvement 2−20010
MIG welding control system using optical sensing 2−4533
MIG welding of austenitic steels, minicomputer control 2−4522
PC modules in manufacturing process, computerized control, interactive on-line paperless system 2−14511
PCB automatic assembly, component insertion, post processor software generated programs 2−14499
production control system for large industrial plants based on data collection system *(Polish)* 2−3096
PWB automatic component insertion, overview 2−14500
test data extraction *(German)* 2−111
TIG welding automation developments 2−4523
TIG welding microcomputer control 2−4545
transformer CAD/CAM system *(Danish)* 2−27989
welding, automated component manufacture at British Steel 2−4526
welding, computerised control developments 2−4521
welding, robotic system, self programming 2−4524
wire and cable industry, CAD/CAM technology 2−28281
CO_2 laser microsoldering, for PCB components using microprocessor control 2−9304

manufacturing data processing
see also manufacturing computer control
attribute sampling plans and OC curves for small lots using computer-derived hypergeometric probab-ilities 2−4674
CAD system methodology 2−83
CAD/CAM, gains in printed circuit design and production 2−19947
economical methods *(German)* 2−433
material requirements planning systems, for PCB production 2−18979
organisation with limited manpower, design and process planning *(Swedish)* 2−8251
PCB manufacturing facilities, management data processing considerations 2−1025
PROMIS−a process management and information system for integrated circuit fabrication 2−19990
quality control charts for variables, design by computer 2−4673
weighing of manufactured goods, microprocessor appls. *(German)* 2−16800

manufacturing industries
billets, induction heating plant controlled by digital electronic systems 2−8111
Brazil electronics industry, data processing, microcomputers, ICs 2−8243
CAD for manufacturing and other industries, pitfalls 2−4633
CAD/CAM, gains in printed circuit design and production 2−19947
crack detection by digitised video image processing *(German)* 2−6947
dynamic model of technological change and industrial growth 2−8200
electric motor insulation, trends and appl. in British industry 2−23237
electron beam welding appls. 2−4494
electronics industry, growth 2−4689
electronics manufacturing industry in Ireland, review 2−13258
electronics products and services, growth and forecasting 2−23942
energy demand models based on the translog and CES functions 2−18919
French electrical manufacturing industry, production and export statistics *(French)* 2−28290
hard and flexible automation for assembly operations in the electromechanical industry 2−8268
Indian capital equipment industry for component manufacture, status, scope, constraints 2−13139
Indian components industry review 2−13137
Indian electronics industry, anal. of real growth in 1975-80 period 2−18845
injection moulding of thermoplastics mould filling behaviour measurement method and systems *(German)* 2−26707
instruments industry quality control organisation and implementation *(Hungarian)* 2−19021
Mitel PABX versatility and British market penetration 2−21443
monolithic ICs, manufacture at RIFA, Swedish components manufacturer in Ericsson Group 2−14897
PCB industry and environmental protection, technical, legal and economic aspects 2−13257
PCB production, material requirements planning systems 2−18979
plant construction and assembly, detailed planning of operation *(German)* 2−23946
plant reliability, dependability of cooperation factor *(German)* 2−24024
Plessey Semiconductors Ltd. developments 2−1421
POLAM lamp manufacturing company in Warsaw, achievements and problems *(Polish)* 2−4642
quality assurance in engineering design 2−4670
regulated electric drives, present state and development trends survey *(German)* 2−4393
robot arc welding line, computerised, for axle housings fabrication 2−28301
Southeast Asian electronics industry survey 2−23973
successful application of management principles in Canadian industry 2−13214
technical change in manufacturing plant, Thailand 2−8201
technical standards, role of IEC in controlling trade 2−19057
thermosetting powder coatings coupled with infra-red curing, cost effectiveness 2−23810
utilization of material resources at high voltage equipment/ manufacturing enterprises 2−81
VLSI industry, engineer shortage and possible solns. 2−8208
wire and cable industry, CAD/CAM technology 2−28281
wire industry noise reduction, using compact absorbers 2−8259

manufacturing processes
see also cold working; cutting; drawing (mechanical); extrusion; forging; forming processes; hot pressing; hot working; joining processes; machining; manufacture; rolling; sintering
automatic inspection system, using multiple 8085 microprocessors 2−8298
electroplating of electrical contacts, selective Au plating process by in-house operations 2−19926
flexible magnetic media processing device 2−8265
industrial mechanisation and automation, case for pneumatic power appls. 2−4591

manufacturing processes continued
large scale vacuum impregnation process, uncontrolled exothermic reaction, mechanism, consequences 2−18960
medium current ion implant systems, manufacturing advantages for remote control 2−5667
new process−electromagnetic forming *(Italian)* 2−28284
paint curing by electron beam irradiation, inertising equipment aspects 2−28287
PCB, semi automatic component insertion equipment 2−19974
pressworking processes for electrical industry, review *(Bulgarian)* 2−4645
Si compounds in electrical industry *(Polish)* 2−4651

many-valley semiconductor materials *see many-valley semiconductors*

many-valley semiconductors
disordered two-dimens. weakly localised, mutual interactions, intervalley impurity scatt. effect 2−14713
hot electron elec. cond., nodal point calc. 2−24915
intervalley diffusion of hot-electrons 2−24905
n-$Ga_{1-x}Al_xAs$, intervalley scatt., Hall mobility press. depend. 2−9424
GaAs crystals and solid solns., hot electron luminescence 2−25593
GaAs-strained GaAsP-GaAs (100) heterostructure, electron transmission probabilities 2−5609
$Pb_{1-x}Sn_xTe$, disorder scatt. 2−9466
Si (100) inversion layers, determ. of valley splitting 2−14727
Si, intervalley diffusion of hot-electrons 2−24905
Si MOS, two-dimens. system, weakly localised, mutual interactions, intervalley impurity scatt. effect 2−14713
n-Si, multivalued distribution of electrons between equivalent valleys 2−24937
n-Si, transverse field stratification *(Russian)* 2−14634

many-valued logics
see also logic circuits; ternary logic
C-CD many-value logics design 2−14086
C-CD testing 2−14887
circuit design and testing 2−14083
combinatorial circuit testing, map partition method 2−14088
combinatorial circuits stuck-type fault detection 2−14087
computerised image processing encoding 2−15851
content-addressable memory requirements for multivalued logic 2−15850
ECL encoder and decoder circuit, 4-valued logic levels 2−19646
facsimile, band compression based on multivalued logic *(Korean)* 2−6554
four-valued logic functions set, cct. construction 2−14076
I^2L implementation of multiple valued logic circuits 2−5191
improved I^2L for multivalued logic 2−14085
integrated logic circuits using C-CD 2−14065
logic design appl. 2−14084
modulo-four multiplying circuit for nonrecursive digital filter 2−14228
multivalued combinatorial circuits dual radix logic 2−14089
properties of three-valued system diagnosis 2−14082
ROM design 2−14129
ROM size reduction 2−14128
signed-digit arithmetic circuit appl. 2−14227
technology and applications view 2−14064
testing and design, conf. at Norman, OK, USA, 1981 2−14079
testing and design, spectral methods 2−14080

map drawing *see cartography*

marine systems
see also ships
diesel engine, microprocessor based oil mist detection system 2−22073
ELF communications for nuclear submarines 2−2714
fibre optic systems, marine appls. *(German)* 2−6019
hydroacoustic position reference system with a narrow beam tracking transducer 2−26545
Industry Applications Society meeting, conf., Philadelphia, PA, USA (Oct. 1981) 2−13164
International Maritime Satellite Organization (Inmarsat), organizational, technical, financial aspects 2−21771
maritime satellite communication via the Inmarsat system *(Swedish)* 2−11024
maritime satellite telecommunications, technical and traffic aspects *(Hungarian)* 2−11016
mini-tracer system for buoy tracking and position monitoring 2−21877
mobile satellite services, prep., planning of future maritime systems 2−2724
quiet electric drive for deep submergence submarines appls. 2−18662
remote-controlled submersibles, underwater technology research development 2−22092
SAT NAV satellite maritime navigation system *(Spanish)* 2−21875
satellite emergency supervisory systems for shipping *(Polish)* 2−21798
submarine vibration and strain measurement instrumentation with an automatic self-test feature 2−22098
Swedish coastal radio service, description *(Swedish)* 2−21759
underwater metal detector, microprocessor controlled, for use on unmanned submersible 2−22262

mark scanning equipment
No entries

marketing
see also commerce
communications policy issues in US caused by electronic publishing 2−6572
comparative market survey of liquid crystal displays: US, Japan and Europe 2−22335
DEC modular memory system, forecast 2−24539
electronic products distributors, survey 2−13327
electronics technology marketing 2−32
European view of telecommunications market 2−2430
household electrical appliances, role of marketing organisations 2−4482
PCB sales and marketing 2−19934
periodic marketing ring, equilibrium and stability 2−8407
PHWRs, 900 to 1050 MWe range, Candu, for world markets 2−3862
Sandar Electronic AS, example of a small successful business *(Norwegian)* 2−18918
telecommunication, cooperation between customer and manufacturer 2−26174
telecommunication systems market penetration problems *(Italian)* 2−15998
teletext, market testing 2−2553

marketing data processing
see also retail data processing
No entries

Markov chains *see Markov processes*

Markov processes
1/f noise theory for physical devices, spectral superposition and irreversibility, Markovian processes 2−25170
additive functionals of several time-reversible Markov processes 2−4726
almost-decomposable Markov chains and their applications 2−19139
asymptotic state enlargement for random processes 2−13465
autoregressive time series, new model, in exponential variables, NEAR(1) 2−24098
bidimensional texture synthesis by Markov chains 2−261
binomial distribution limit 2−24110
branching processes with immigration, maximum likelihood estimation 2−4759
capacity and quantum mechanical tunnelling 2−4781
chain driven signals, mean power spectral density 2−10688
chains in small time intervals 2−8539
classification of topological Markov chains adapted shift equivalence 2−4846
communication networks, macrodescription in presence of transit flows 2−10748
communications traffic simulation techniques, Monte Carlo method, random number generation and Markov chains *(Japanese)* 2−15968
conditional incremental-runlength code based on two dimensional Markov model 2−10638
conditional pressure and coding 2−4766
control of a Markov chain under conditions with respect to absolute stationary probabilities and cost 2−4822
data communication systems, performance evaluation, review 2−26284
decision processes with continuous and switching costs 2−8459
decision-processes, computational methods 2−8458
diffusion approximations for the cooperative service of voice and data messages 2−8434
digital hardware fault propagation characterisation as simple Markov process 2−150
discontinuous random processes, analysis 2−188
discrete order statistics, probability of ties and Markov property 2−13476
drift processes steady state anal. 2−301
dynamic behaviour of time-varying queueing systems *(German)* 2−8438
$E_k/G/1$ queue semi Markov anal. 2−212
effect of partial outage representation on the statistical properties of loss-of-load probability estimates 2−12150
exit problem for small random perturbations of dynamical systems with a hyperbolic fixed point 2−13377
filtered Markov renewal processes 2−8540
finite dam control model output policies 2−24109
finite Markov chains, gradient approach for recursive estimation and control 2−24096
flows in queueing networks, martingale approach 2−200
GI/M/1 queue control by conditional acceptance of customers 2−192
inventory system, continuous-review system, algorithms 2−267
isotone optimal policies for structured Markov decision processes 2−8445
KMS states, stochastic processes association 2−8555
large scale Markov decision processes, bounds for suboptimal design procedure 2−8460
laser beam reflected with reversal of wave front, mean field 2−25825
M/M/1 queue, optimal control for entry of many classes of customers 2−13411
manpower model, maintainable regions 2−8537
manpower systems, limiting behaviour of nonhomogeneous Markov chain model 2−4777
modelling of large-scale Markov chains with associative pipelining 2−4729
modified skip-lot sampling plan 2−115
multiphoton parametric freq. conversion in random pump field, theory *(Russian)* 2−25858
nonlinear conversion of random telegrapy signals 2−2237
nuclear power plants, data handling system redundancy, availability analysis 2−17864
observation, search for epsilon-optimal strategies 2−4762
on strong mixing and Leadbetter's D condition 2−8542
on the number of time intervals in which an ergodic Markov chain is continuously in a fixed state *(Russian)* 2−13469
one-dimensional disordered system, excited states lifetime 2−9453
open queueing networks with finite capacity queues 2−6621
optimal coding in two-user white Gaussian channels with feedback 2−15833
packet-switched speech/data digital network, optimum packet length calc., w.r.t. delays *(French)* 2−26170
phase random multipath ocean acoustic fluctuations, memory detection models 2−2842
Poisson output of queueing systems with dependent service times 2−13409
Poisson random walk, Bernoulli shift 2−4780
power station main generating equipment functioning, reliability estimation by mathematical models *(Russian)* 2−17790
priority queueing using double input channel priority network 2−10725
property test of semi-Markov processes 2−4819
quantum filtering of Markov signals, in presence of quantum white noise 2−2232
queueing systems, insensitivity 2−24056
queues with paired customers 2−8436
reliability theory, two-unit standby redundant system with switchover time parameter generation using pseudo semi-Markov process 2−8318
renewal process, dynamically optimised replacement 2−8530
secondary processing optimal algorithms and ccts. 2−2352
semi-Markov birth-and-death processes, controlled, optimal strategies 2−8524
semi-Markov processes, generalised, insensitive average residence times 2−24093
semi-Markov processes, parameter estimation from censored records 2−24097
semi-Markov processes in modelling and reliability 2−4763
signal detection, deterministic, under Markov interference, using rank binary rule 2−2347
single server queue with platooned arrivals and phase type services 2−19104
single-line queueing system, asymptotic expansion for moments of sojourn time in admissible set of states 2−8433
singular perturbation approach to modelling and control of Markov chains 2−263

Markov processes continued
singular perturbations approach to modelling and control of Markov chains 2−13499
solar powered boiler, temperature regulator design, effect of nonMarkovian cloud patterns 2−18080
solution uniqueness 2−19103
stepped optimisation systems with variable step length and duration, response speed anal. 2−24191
stochastic processes with increments defined on a Markov chain 2−292
stochastically monotone sequences of random variables, convergence and appls. 2−8527
stopping variable probability distrib., one-sided CUSUM procedures for non-negative integer valued random variables 2−8515
storage model with moment assumptions, generalised 2−268
storage problem of GI/G/r(x) store and approximating solution 2−4698
strongly regenerative systems operation models 2−302
structured Markovian decision models, optimal policies 2−24069
time series, Markov property testing 2−19151
tree algorithm with finite number of buffered users, anal. 2−6492
truncated birth-death process conditions for stochastic monotonicity 2−8564
two partially observed competing queues, stochastic control 2−194
two-dimensional birth death equations, solutions 2−8579
undiscounted Markovian decision problems, selection algorithm for ε optimal policies 2−13430

Mars
No entries

maser clocks *see atomic clocks*

masers
cyclotron autoresonance masers and relativistic gyrotrons, theoretical discussion 2−14579
cyclotron maser instability, as resonant limit of space charge wave interaction with EM structure 2−15422
cyclotron maser instability as resonant limit of space charge wave 2−25645
cyclotron resonance maser 2−25648
electron cyclotron maser, gyrotrons developments 2−24879
electron cyclotron maser, hollow cylindrical, wave approch 2−6123
electron cyclotron maser for nanosecond megawatt pulses 2−20767
electron cyclotron maser operating at the fundmamental, linear theory 2−6122
electron cyclotron resonance maser, kinetic theory considering space charge effect 2−15423
free electron lasers collective-interactions, mag. field effects at millimetre wavelengths 2−25658
gyromonotron, second-harmonic, 1 mm 2−20023
gyromonotrons, linear theory 2−25646
gyromonotrons, RF field distrib. optimisation 2−25647
MM wave emission, from intense relativistic electron beams in uniform and rippled magnetic fields 2−14580
molecular beam, operated with disc resonator, bistability of elliptically polarised o scill. 2−20768
near millimetre wave sources, gas phase approach 2−6149
near MM-wave coherent radiation, ideas for efficient generation 2−20782
optimally guided EM interactions, with two level waves and lasers *(Croatian)* 2−10178
paramagnetic crystal, amplification of surface magnetostatic spin wves, calc. 2−1823
Raman free electron laser expt. at MM wavelength 2−25661
relativistic cyclotron-resonance maser amplifiers 2−24866
ruby, masing in strong mag. fields 2−10179
Rydberg atoms, MM and sub-MM waves interaction 2−22284
stimulated radiation of a high-current electron beam in a periodic magnetic field 2−20769
H, CSIRO atomic clock development 2−20766
$La_2Mg_3(NO_3)_{12}.24H_2O:Co^{2+}$, Ce^{3+}, maser effect on Co^{2+} spin sub-levels *(Russian)* 2−6124

masking (acoustic) *see hearing; speech intelligibility*

masks
see also semiconductor device manufacture
alignment and exposure system, improved facilities 2−5792
arbitrary mask edges, two- and three-dimensional analytical solns. for post-anneal implant profiles 2−25284
automatic LSI photomask defect inspection for improved yield, characts., and reliability 2−1417
bird's beak elimination, in recessed oxide isolation process 2−5655
chrome blanks and step projection aligner, used for VLSI mass production 2−20340
deep UV variable transmission masks, fabrication process 2−19989
deep-UV lithography masks fabrication 2−20167
EL-3 electron beam tool from IBM with mask making facility 2−9676
EL-3 electron-beam direct write manufacturing tool for ssemiconductor factory, appls. 2−20299
fine pattern lithography for LSI fabrication dry development of deep UV resist with RF plasma *(Japanese)* 2−1419
high speed electron beam lithography system for direct writing on wafer or mask generation 2−20295
high-speed electron-beam lithography column for exposure of large wafers or masks 2−20296
high-throughput submicron lithography using electron beam proximity pointer, image positioning accuracy 2−20304
hybrid IC layout CAD, interactive system, mask information and document output 2−20002
hybrid lithography, manufacture using electron beam and optical stepper lithography 2−9539
IC lithographic mask inspection *(Japanese)* 2−23982
IC masks, automatic generation by means of pattern generator controlled by HP-9830 calculator *(Czech)* 2−5793
IC processing techniques 2−14901
IC technology, photoetch process, metallized ceramic substrate, chrome artwork mask 2−20285
interferometric alignment techniques for multiple mask registration 2−25299
ion projection microlithography, submicron device fabrication, metal mask foil 2−20317
ion-beam pattern profiles, simulation 2−1311
LSI ion-beam lithography, plasma-developed ion-implanted resists with submicron resolution, etch mask appls. 2−20331
LSI mask artwork minimum cut algorithm to facilitate computer-aided manufacturer *(Chinese)* 2−5780

masks continued
LSI technology, electron beam direct wafer writing system, double defl. correct., SEM column, multi-data exposure program, mask. reg. accuracy 2−5784
mask generation language, description and appl. including ICs 2−5759
microcomputer controlled step-and-repeat camera for undergraduate laboratory use 2−9717
MOS ICs, logic simulation based on information from masks 2−25362
MSI/LSI mask making system, step and repeat camera controlled by minicomputer 2−9718
n-p-n transistors fabrication, with non-critical mask registrations 2−5804
NMOS submicrometre device fabrication using masked ion-beam lithography 2−20407
non-random defect control 2−25114
optoelectronic checking of dimensions *(Dutch)* 2−19022
overlay inspection 2−14947
PCB dry film solder masks using negative working photopolymer 2−14436
PCB manufacture, liquid photopolymer resists. and solder masks, PROBIMER 48/52 products 2−14464
PCB precision solder masks using liquid epoxy photopolymer 2−14413
PCB solder mask appl., silk screening and dry film process, comparison 2−5455
PCBs, high-density imaging, Image Plane Plate glass photo tool development in photomask technology 2−5439
PCBs, permanent photopolymer dry film solder mask coatings for high-density PWB designs 2−14437
PCBs, UV curable solder masks, optimum performance attainment, review 2−14412
photocomposer product of masks for thin film printed cct. patterns 2−9305
photomasks, fine IC pattern making 2−1415
PMMA grating patterns, X-ray lithography replication, use in etching of SiO_2 2−1309
PMMA thin film masts, for use in electron beam lithography, thickness profile determ. 2−14525
polyimide masks for submicron X-ray lithography, fabrication 2−20322
polyimide masks for X-ray lithography, high durability and dimens. stability, fabrication 2−20174
polyimide membrane masks for high-resolution ion beam lithography 2−20318
PWB manufacturing technology, use of conformal coating/solder maskant systems for simple maintainability 2−14508
SLIM−the translation of symbolic layouts into mask data 2−20342
soft anodised masks for photolithography generated by vector scanned electron beam lithograph, digital approximation 2−20166
stripe-geometry laser with in-situ ohmic contact and self-aligned ntive surface oxide mask using MBE 2−25780
VLSI circuit mask production techniques and machines used *(Swedish)* 2−25283
VLSI circuits, herarchical CAD system 2−9721
VLSI mask fabrication, ion beam exposure system 2−20371
wafer exposure equipment, contact and projection printers and DSW systems 2−9527
X-ray lithography, evaluation of pattern registration accuracy 2−9708
X-ray lithography, high-power exposure system for evaluation of resist processes, mask substrates and alignment 2−20321
X-ray lithography, submicron, high-power source, 13.3 Å wavelength, high-resolution mask exposure 2−20320
X-ray replication system for submicron lithography *(French)* 2−25123
Al, reactive sputter etching using gas mixtures based on CF_4 and Cl_2 2−20208
Au, reactive ion etching in CF_4/O_2 and CF_2Cl_2/O_2 plasmas, comparison 2−20209
Cr film, photomask, dry developing, etching using a gas plasma 2−14746
Cr, reactive sputter etching using gas mixtures based on CF_4 and Cl_2 2−20208
InP, directional reactive ion-etching, with Cl_2 containing gases 2−1312
Si, amorphous, pattern laser annealing by pulsed laser 2−9578
Si, double-poly, MOSFET devices, Z 2−25360
Si fine line shadow masks for deposition of solar cell grids 2−23511
Si, masking oxide effect on diffusion 2−1291
Si, polycrystalline, resistors, manufacturing process 2−5369
Si reactive sputter etching with very low mash-material etch rates 2−9570
Si shadow masks with anisotropically etched-through slots, fine-feature thin-film deposition appls. 2−14782
Si_3N_4 amorphous layers, oxidation kinetics, ellipsometric obs. on Si-Si_3N_4-SiO_2 struct. 2−1306
Si_3N_4 CVD layer, X-ray mask prep. 2−1271
Si_3N_4-polyimide-SiO_2 complex membrane, X-ray lithography mask 2−14747
SiO_2 and photoresists with B ion implantation, masking props. 2−25150
SiO_2 mask, lateral spread of implanted ions under mask edge, implantation angle effects, TEM obs. 2−20192
Si(110) anisotropic etching and shadowing techniques for fabrication of X-ray masks 2−25298
W films, pattern definition, high resolution 2−20160

masonry dams *see dams*

mass analyzers *see mass spectrometer components and accessories*

mass filters *see mass spectrometer components and accessories*

mass measurement
see also weighing
automatic continuous mass measuring equipment, control methods 2−6996
cryogenic media mass measurement, resonance operated sensor *(Russian)* 2−16942

mass spectra
see also mass spectrometers; mass spectroscopic chemical analysis; mass spectroscopy; secondary ion mass spectra; time of flight mass spectra
KrF^-, mass spectrometric study 2−11757
SF_6, positive ions in spark breakdown influence of N_2, O_2 and D_2O 2−1503

mass spectrometer applications
see also isotope separation; mass spectroscopic chemical analysis
clinical mass spectrometer, modified ion-source cage 2−11899
reactive sputter etching, plasma diagnosis by mass spectrometer, etching of Al, SiO_2 and photoresist 2−14793

mass spectrometer components and accessories
see also ion sources
A/D convertor, for acquisition of monotonously changing magnetic fields *(German)* 2−7302
balloon-borne ion mass spectrometer, control and data transmission system 2−12077
field ion source with three-electrode gun, sensitivity, resolution and reproducibility improvement 2−3441
ion source, for transuranic elements microquantitative isotropic analysis 2−3442
ion-source cage, modified, for a clinical mass spectrometer 2−11899
mass-filter probe, rarefied gasdynamical problems appl. *(Japanese)* 2−7232
membrane inlet system, one-stage, for gas mixtures and solutions analysis 2−3440
multistop time-to-digital convertor for time-of-flight mass spectrometry 2−3424
stabilized RF generator of quadrupole mass spectrometer 2−11876
tandem accelerator for rare isotope detection and dating 2−11880
VEU-6 channel electron multiplier for recording ion currents in the MKh1304 mass spectrometer 2−14593
Si surface barrier detector for time-of-flight spectrometer 2−11871

mass spectrometers
see also ion optics; mass spectra; mass spectroscopy
balloon-borne ion mass spectrometer, control and data transmission system 2−12077
dipole magnetic calc. for vel. filter SHIP and fusion expts. computer simulation 2−3432
electrostatic mass spectrometer, with time-of-flight detector 2−27004
high resolution, double focusing mass spectrometer for organic analysis, design and performance *(Chinese)* 2−22508
ion optics of spectrometer with variable dispersion and simultaneous detection 2−3434
ion optics of spectrometers using mag. and elec. sector fields 2−3433
ISOTRACE facility using Tandetron accelerator 2−11881
JAERI magnetic spectrograph design for heavy-ion reaction studies 2−3430
RF mass spectrometer, use of Venetian blind type electron multipliers *(Japanese)* 2−9378
secondary ion mass spectrometer, energy- and angle-resolved, design and performance 2−3444
sector magnet, second order image aberration meas. 2−3317
time-of-flight mass spectrometers 2−3435
time-of-flight spectrometer using heavy ion pulses 2−11871

mass spectrometry *see mass spectroscopy*

mass spectroscopic chemical analysis
see also ion microprobe analysis; isotope separation; mass spectra; secondary ion mass spectra
contamination measurements with quadrupole mass spectrometer 2−22749
membrane inlet system, one-stage, for gas mixtures and solutions analysis 2−3440
methyltrimethoxysilane, plasma of polymerisation in RF discharge, mass spectra study 2−24336
radiocarbon dating techniques, appl. to air pollution studies 2−27299
tandem accelerator for rare isotope detection and dating 2−11880
thermionic cathode activation in ultrahigh vacuum AES-residual gas analysis 2−1095
time-of-flight spectrometer using heavy ion pulses 2−11871
transuranic elements microquantitative isotropic analysis, improved ion source 2−3442
$LiLu_{0.5-x-y}Er_{0.5}Tm_xHo_yF_4$, scheelite single crysts., Czochralski growth and - laser characts. 2−4978
$LiY_{0.5-x-y}Er_{0.5}Tm_xHo_yF_4$, scheelite single crysts., Czochralski growth and l- aser characts. 2−4978
Si (111), nitridation by N atoms, LEED, AES, desorption, and mass spectra meas. 2−9583

mass spectroscopy
see also mass spectra; mass spectrometers
data enhancement and analysis, through mathematical deconvolution of signals 2−11993

mass standards *see measurement standards*

master equation
disordered semiconductors, microscopic theory of dispersive transport 2−9398

matched filters
m-sequences, benchwork synchronisation 2−26072
satellite channel, transpondser nonlinearity effects on SFSK and MSK, comparison 2−2765
SAW devices for signal processing, convolver, memory correlator and coherent integrator 2−1543
sonar signals mismatched filtering, weighted replica lengthening 2−6862

materials
see also individual materials, e.g. ceramics
nuclear power technology in Nigeria, material resources assessment 2−27622

materials handling
see also computerised materials handling; conveyors; excavators; fission reactor fuel preparation and reprocessing; fluidised beds; grinding; transportation; warehouse automation; winding (process)
1710 MW coal-fired station, high speed coal handling system 2−3923
AEG Telefunken vibration technology in the eighties *(German)* 2−23704
automatic continuous mass measuring equipment, control methods 2−6996
battery automatic washing, advantages 2−12787
bulk materials transportation and weighing technology *(Hungarian)* 2−22411
ceramic wear liners in abrasive western coal handling systems reducing downtime and maintenance 2−3813
coal handling plant design for large power stations *(German)* 2−3898
coal preparation plants in USA, instrumentation and automation systems status review 2−27749
coal-fired boiler plant, mechanical stokers charact. 2−7723
crane trolley receivers optimal parameters *(Polish)* 2−18841
cryogenic liquid/gas transport between installations at different elec. pots. 2−27522
establishing reliable coal flow in power plants 2−27720
fuel supply regulation, in coal-fired power stations *(French)* 2−3914
IPC 890 industrial camera for materials handling inspection 2−3147
linear drive appls. *(German)* 2−8133

materials handling continued
PCB handling, MOBOT robots and appls. 2−5456
photoelectric sensing devices in materials handling appls. 2−22280
power station wet and frozen coal flow problems and solns. 2−18018
programmable manipulator handling system for testing small batch sizes of product 2−4637
sensor system for automation and meas., with image analysis processors 2−11340
Swiss nuclear power station, weak radioactive waste solidification and intermediate storage *(German)* 2−12366
^{14}C beam accel. in electrostatic accelerators 2−11769

materials preparation
see also crystal growth; hot pressing; powder metallurgy; powder technology; sintering; vulcanisation
filamentary A15 superconductors, developments in Japan, review 2−5918
filamentary A15 superconductors, developments in the UK, review 2−5920
metals, amorphous, general introduction 2−5029
multifilamentary A15 superconductors, development at Airco (USA) 2−9889
multifilamentary A15 superconductors, developments at IGC (USA), review 2−5921
multifilamentary A15 superconductors, developments in Germany, review 2−5919
multifilamentary A15 superconductors, prep. by infiltration process 2−5931
multifilamentary compound superconductors, development, review 2−5925
polymer-ceramic composites for hydrophones, fabrication and interphase connectivity 2−19457
resin curing, electrical monitoring with charge flow transistor 2−631
superconductor, prep. and study, research activities at Electrotechnical Institute, Slovak Acad. of Sciences 2−9881
Al/Nb-Ti composite supercond., strengthened, fabrication, energy storage appl. 2−9903
CaS:R (R=rare earth), DC electrolum. 2−25613
α-CdS preparation by thermal and plasma-conversion of Cd 2−24315
$FePS_3$ cathode in Li battery, synthesis, struct. and phys. props. *(French)* 2−18449
GaSb amorphous film, flash evaporated, electronic props. 2−24973
$Li_xV_6O_{13}$ cathode material, X-ray diffr. thermal anal. and mag. susceptibility 2−18432
$(Nb,Ta)_3Sn$ multifilamentary wires, bronze process fabrication, supercond. props. 2−9899
Nb-Ge supercond. film, high Tc, prep. and anal. *(Chinese)* 2−5032
$Nb_3(Al_{0.75}Ge_{0.25})$, supercond. wire, manufacture from powder *(Chinese)* 2−19468
Nb_3Si, A-15 cpd., synthesis *(Japanese)* 2−612
Nb_3Sn filamentary superconductor manufactured by solid-liq. diffusion process 2−5922
Nb_3Sn, multifilamentary, internal bronze fabrication, supercond. props. 2−9900
Nb_3Sn multifilamentary superconductor, manufacture by external diffusion method 2−5923
Nb_3Sn multifilamentary wire, fabrication for DC power transmission lines 2−9901
Nb_3Sn-Cu filamentary superconducting wire, in situ prep. and props. 2−5928
$NiPS_3$ cathode in Li battery, synthesis, struct. and phys. props. *(French)* 2−18449
SrS:R (R=rare earth), DC electrolum. 2−25613
V-Ga/Cu-Ga-Al composite system, metallurgical processing, superconducting props. of V_3Ga wires 2−8847
V_3Ga wire, superconducting props., formation temp. effects 2−5924
V_6O_{13} cathode material, X-ray diffr. thermal anal. and mag. susceptibility 2−18432

materials properties
this heading is restricted to those properties which are not covered by other specific headings
see also dielectric properties of substances; electrical properties of substances; magnetic properties of substances; mechanical properties of substances; optical properties of substances; thermal properties of substances
No entries

materials testing
see also acoustic applications; corrosion testing; creep testing; dynamic testing; electron beam applications; fatigue testing; fracture toughness testing; hardness testing; insulation testing; mechanical testing; nondestructive testing; notch testing; ultrasonic materials testing
accelerated life testing, IEEE 323 qualification experience appl. to Zytel insulating material 2−19475
alkyldiphenylethane, flammability of aromatic base elec. insulating oils 2−1518
alkylnaphthalene, flammability of aromatic base elec. insulating oils 2−1518
bituminous concrete, quality assurance system of Quebec Ministry of Transport 2−112
ceramic fibre blanket wrap for cable tray and conduit fire protection 2−17740
connector contact materials, effect of environment on clad Pd, Pd-Ag alloys and Au electrodeposits 2−24772
developmental testing of a concrete cold water pipe for ocean thermal energy conversion (OTEC) systems 2−7783
dielectrics diagnostic method 2−7188
eddy current inspection, EM square wave oscills. 2−8861
electroplated connectors, Au-Ag, Sn-Pb and Pd as alternatives to Au, material tests 2−14355
Elinvar alloy 44NKhMT, inspection of heats using Curie temperature 2−5039
epoxy-glass FR-4 PCB, conductive anodic filament growth 2−14374
glass as engineering material 2−19466
insulating materials arc ignition test using high power density 2−618
insulating materials internal discharge endurance life tests by glass-covered electrode system, freq. accel. characts. 2−25386
insulating oils, short time AC V-t characteristics of oil gaps 2−1517
martensite content in steel meas., Ferro-gauge design and operation 2−19483
metals, internal friction and elastic modulus, automatic apparatus for temp. characts. determ. 2−5040
MIS structures nondestructive testing, low-current source 2−3249
MM-wave radome performance, materials implications 2−22359

materials testing continued
nuclear steam generator materials performance, conf., St. Petersburg, FL, USA (Oct. 1980) 2−4568
O-ring wear test machine 2−648
PCB glass fibre epoxy laminates, water absorption, accelerated ageing test rel. to elec. and phys. props. 2−14454
PCB laminate punchability, laboratory tests 2−14376
PCB laminate punching tests, material composition evaluation, through-hole generation mechanics 2−14458
photovoltaic concentrator cell modules cost reduction by using automatic cell assembly, test modules testing 2−23471
piezoelectric AA for electroacoustic transducers *(German)* 2−17104
polymer film rolls, supporting capacity 2−13866
pressure tests on volume-compensator vessels *(Czech)* 2−17837
sand, moulding and core, universal apparatus for strength meas. 2−19479
solid insulating materials, thermal endurance data 2−25382
static control materials, surface resistivity monitoring, fixture design, quality control 2−17094
steam turbine components, service life determ. and evaluation 2−27695
steel magnetic loss, wattmeter metrological charact. checking against standard reference steel samples 2−17027
strain meas. system, using capacitance probe 2−623
tensile testing, servocontrols for automation 2−622
underground power cables, backfill materials soil treatment testing 2−22929
$Al_xGa_{1-x}As$ LED fabrication, epitaxial p-n structures quality estimate 2−25119
Cu foil, PCB, electroplating, effect of manufacturing parameters on ductility/tensile strength of board 2−14481
SF_6 circuit breakers insulators, laboratory testing of elec. insulating materials superficial resistance 2−9766
Si quality statistical estimation, specific resistivity inhomogeneity determ. 2−25120

mathematical analysis
see also approximation theory; Bessel functions; calculus; catastrophe theory; differential equations; eigenvalues and eigenfunctions; Fourier analysis; integral equations; numerical analysis; series (mathematics); spectral analysis; transforms
battery mathematical life model for synchronous orbit 2−17506
closedness, relaxation and bang-bang theorems *(French)* 2−13370
dimensional analysis, origins 2−179
electronic equipment accelerated life tests, mathematical methods *(Czech)* 2−4641
electrostatic problems, numerical conformal mapping for undergraduates 2−25895
energy savings through intermittant operation of district heating schemes *(German)* 2−23066
extreme wave forces on submerged cylinders 2−23173
fast converging stochastic gradient algorithm 2−2342
illumination engineering, fundamental equations, soln. *(Hungarian)* 2−23750
laminated ferromagnetics, effective elec. and mag. charact. determ. *(Russian)* 2−1557
linear reciprocal passive networks, mathematical inequality and closing of switch 2−669
measurement problems solving by mathematical methods utilisation *(Slovak)* 2−11308
on the majorant property in Banach spaces *(French)* 2−13371
open dielectric waveguides for integrated optics and MM-wave ICs, guidance and leakage props. 2−907
power system steady state operation analysis 2−27405
power system steady-state mathematical anal. models 2−27327
quasivariational inequations with nonbounded data and probabilistic interpretation *(French)* 2−4699
Raman manifold, stochastic mean value *(French)* 2−8406
singular perturbations in L^p spaces, Dirichlet problem *(French)* 2−13507
small rectifier transformers with loading condenser, performance anal. *(German)* 2−12685
smooth maps between Frechet spaces and manifolds *(French)* 2−13372
synchronous machine with three phase stator windings, transient anal. *(Russian)* 2−4058

mathematical logic *see formal logic*

mathematical programming
see also concave programming; dynamic programming; geometric programming; linear programming; nonlinear programming; stochastic programming
approximate labelling for simplicial algorithms and two classes of special subsets of the sphere 2−24213
Boolean programming and clique number 2−19254
capacitated arc routing problems 2−422
combinatorial optimisation and Lagrange relaxation *(Japanese)* 2−426
electric power grid developments mathematical modelling *(Russian)* 2−22887
electric power systems, complex optimisation, using mathematical model OPC 15 *(Russian)* 2−22888
equilibrium programming: the path following approach and dynamics 2−4907
feasibility sets for steady-state loads in electric power networks 2−22880
fuzzy programming, overall picture 2−24199
goal programming, interpretation of fractional objectives, comments 2−8650
linear complementarity problem and piecewise linear system equivalence 2−24208
nonorthogonal Fourier expansion for conic decomposition 2−404
petroleum reservoir history matching optimisation, goal programming tool 2−4885
secure and economic automatic generation control principle 2−7511
stability theorems for 2×2 hypermatrices 2−13635
synchronous generator, brushless, control efficiency *(Russian)* 2−23275
unifying framework of combinatorial optimisation algorithms, tree programming and its validity 2−395

mathematics
see also algebra; combinatorial mathematics; convergence; digital arithmetic; duality (mathematics); equations; formal logic; functions; geometry; mathematical analysis; number theory; probability; statistics; topology
engineering students difficulty with mathematics 2−18905

matrices *see matrix algebra*

matrix algebra
see also S-matrix theory
(0,1) matrices without certain configurations 2−19190
2n-pole networks cascade connection, operating double n-pole equations and parameters anal. 2−19496
3-phase power networks sequentially developed electrical faults digital simulation 2−27400
δ-codes and construction of Hadamard matrices 2−15847
AC power flow control with a multiterminal DC system 2−12226
algorithm for the analysis of the dynamics of rotating electrical machines with ring and bar commutator windings 2−4232
altman's contractors and Matkowski's fixed point theorem 2−19072
angularity and inertia theorems 2−8381
arbitrary graph reconstruction from some subset of its distance matrix rows and columns *(Russian)* 2−4857
asymmetric matrix, sampling distribs. of Kruskal's stress measure 2−4804
band matrix construction from spectral data 2−8709
banded matrices factorisation theorem 2−8375
beam transverse shear and rotary inertia Gaussian model 2−13789
bilinear algorithms computational complexity 2−13651
binary and graphic matroids, characterisation 2−24172
block codes and convolutional 2−4694
bus impedance computation, by matrix inversion for large number of nodes *(Croatian)* 2−12211
Cauer II type passive RC ladder multiport, matrix transfer function realisation via state-space approach 2−674
characteristic polynomials of the information matrices of balanced fractional 3^m factorial designs of resolution V 2−4815
circulation matrix, structures computation appls. *(Chinese)* 2−13709
class G, and a unification problem 2−8373
classification of topological Markov chains adapted shift equivalence 2−4846
combinatorial matrix Riccati equations and q-analogue 2−8602
complete bipartite graph, Hadamard conjecture and circuits of length four 2−8622
complex nonlinear circuits periodic processes anal. using differential harmonic method 2−27890
condition number estimation for sparse matrices 2−19323
continued fractions, generalised, stable evaluation 2−8716
control system stability, new inner matrix 2−24036
controllability and observability 2−8371
controller partial state observer matrix Riccati equation 2−4917
convergence of method for system Ax+y=x, using aggregation 2−19325
convergence theorems for least-change secant update methods 2−19277
critical frequencies of canonical systems, invariant relative to the circulation of time, with periodic coefficients 2−19282
current-source convertor AC motor drive current controller synthesis using linear regulation methods *(Czech)* 2−28140
cylindrical and elongated conductors with variable cross section, resistance calculation *(German)* 2−14306
DC motor chopper quasi-steady state anal. 2−18636
decoupling and disturbance rejection control of linear time-varying time-delay systems 2−4918
determinants with high absolute values *(German)* 2−13364
distance matrices and n-dimensional designs 2−24149
distance-matrix computing, INVER program appl. 2−153
division free bilinear algorithms 2−13650
double stochastic, van der Waerden conjecture 2−8355
doubly curved quadratic shell element, penalty factors appl. 2−8659
dynamic response by means of functions of matrices 2−13788
eigenvalue methods and the analysis of structural vibration 2−441
eigenvalue sensitivity analysis in relation to dynamic performance of large generators with excitation system 2−4099
eigenvalues for symmetric matrices, alternating sequential-parallel calculation 2−24248
electric circuit overdetermined system of equations, solution 2−24347
electric machines magnetic field and transients calc., conf. at Athens, Greece (1980) 2−23240
electric power transmission linear programming model, basic submatrix coeffs. sensitivity 2−7769
electromechanical pulse generator for circulant matrix finding 2−12705
electronic circuit analysis soln. *(Russian)* 2−670
EM field computation by finite-element parallel processor 2−15621
EM field problems, matrix equation system solns., survey of numerical methods 2−10455
error complexity analysis of algorithms for matrix multiplication and matrix chain product 2−4916
factorisation, Szego limit theorem 2−19274
fast and robust variable metric method for optimum power flows 2−27450
FFT speed for large data blocks *(Russian)* 2−542
finite criteria for conditional definiteness of quadratic forms 2−8356
finite field rank 2−8363
finite magnetic circuits method and its application 2−21024
fixed point linear equations 2−24035
frontal methods for solving finite-element systems of linear equations 2−445
Fuchsia groups, automorphic function, factorisation formula *(Russian)* 2−312
Galerkin method 2−19278
general linear difference equation solutions 2−4963
generalised formulation of equation matrices using circuit model and principal magnitude methods *(Russian)* 2−19489
generalised inverse, definition and program 2−167
generalized circulant matrix inverse 2−8367
generalized dihedral group matrix 2−8362
generalized inverses of cone preserving maps 2−8386
group inverses of certain positive operators 2−8383
Haber minimum term rank formula 2−19062
Hermitian matrix, bounds of ranks of real and imaginary parts 2−13359
Hessian matrix for the networks containing periodically operated switches 2−24380
Higman-Sims technique applied to generalised quadrangles 2−19164
identification/ of essential variables of systems of algebraic equations applying Gauss-Jordan elimination/ 2−155
implicit schemes and LU decompositions 2−13660
incidence matrices integer generalized inverses 2−8376
incidence matrices of subsets, rank formula 2−8589

matrix algebra continued
independent power system equations transformation to state-equation form 2−27409
input output relations, solutions using iterative methods *(Czech)* 2−19271
integrated circuit package thermal anal., rectangular parallelepiped finite element model 2−24821
interconnected n-port networks, appl. of indefinite admittance matrix 2−653
interval linear systems with prescribed column sums 2−8368
inverse approximation, ALGOL procedures for iterative refinement 2−24249
inverse numerical algorithm 2−19336
inverse positive matrices, sign pattern characterisation 2−8390
inversion of matrices by recursive form of Cayley-Hamilton theory 2−13358
irreducible diagonally dominant, AOR method convergence 2−435
irreducible representations of the full linear group 2−8384
Kantorovich inequality extensions 2−24224
KMS states, stochastic processes association 2−8555
Kronecker matrix products in communication theory 2−6384
Lagrange interpolation processes in countable sets, divergence 2−13705
laminated shell structures, finite element analysis 2−13738
Lanczos algorithm 2−442
large LP testing routines 2−8641
large matrix techniques in quantum chemistry and atomic physics 2−443
large scale, perturbation order reduction state decomposition 2−13657
Latin squares with pairwise orthogonal conjugates 2−8601
Legendre-Hadamard condition *(French)* 2−13652
linear, dimension estimation 2−24031
linear complementary diagonal dominance 2−8358
linear convergent cyclic Jacobi-like method for arbitrary real matrices *(German)* 2−19275
linear matrix equations, quadratic convergence method *(Italian)* 2−486
linear power networks configuration changes simulation using Krons's method of tearing 2−27401
linear regression models, equivalence problem, covariance matrix scalar factor, unbiased estimation 2−4754
linear resistive n-port network, hybrid matrix eqns. formulation 2−24364
linear transformations which preserve fixed rank 2−8385
lossless n-port, hybrid matrix *(German)* 2−24350
LU decomposition, nonlinear least-squares approximation 2−19279
Lyapunov equations 2−8361
M-matrices LU factorisation 2−19221
M-matrices SOR convergence bounds 2−8668
M-matrices whose inverses are stochastic, characterisation 2−8337
machine windings, harmonic identification of general type polyphase structures-geometrical model in presence of polyphase current system *(Italian)* 2−27865
machine windings harmonic identification of general type polyphase structures-geometrical model construction *(Italian)* 2−27864
Magnus embeddings for groups and group rings 2−13570
matroids on the bases of simple matroids 2−19161
maximum bipartite matching via fast matrix multiplication, deterministic and probabilistic algorithms 2−8708
MHD convertors, open-cycle linearly-diverging diagonal-type single and multiple load, performance anal. using new quasi-two-dimensional theory 2−18605
mobile radio system with two types of customers and priority, anal. 2−2730
monomer-dimer configurations on rectangular boards 2−19192
Moore Penrose inverse 2−8379
Moore-Penrose inverse of a morphism with factorization 2−8382
moving weighted average smoothing extended to the extremities of the data, stability and optimal properties 2−19096
multilinear and tensor algebra 2−24247
multiple nearest-neighbour anal., NEBALL and FINGRP programs 2−152
multiple regression analysis, solutions based on Crout's matrix using desk calculators *(German)* 2−8696
multiplication, fast parallel realisation 2−24251
multipole conductor systems with freq. dependent parameters, digital determ. of rapid transient processes *(German)* 2−12220
multistorey building stress direct P-delta anal. 2−8664
network anal. cascade addition 2−13666
non-series-parallel three terminal RC network, decomposition formula 2−13357
non-series-parallel three-terminal RC network, decomposition formula 2−675
non-symmetric eigenproblems, large sparse, solution method *(Chinese)* 2−13708
nonaxisymmetric vibrations, use of basic element matrices 2−13656
noncooperative games, stability 2−8450
nonlinear equations, numerical method of least squares solution method *(Italian)* 2−490
nonlinear network transient behaviour anal., state equations necessary and sufficient conditions 2−19519
nonlinear pipe network equations, iterative method appl. *(Chinese)* 2−19317
nonlinear radio circuits, Volterra nuclei determ. using modified structural matrices *(Russian)* 2−24377
nonnegative integral generalized inverses 2−8357
nonnegative spectraloid matrices 2−8369
nonsingular polynomial matrices structure 2−19070
norms and functions 2−8377
numerical soln. of Navier Stokes equations *(Russian)* 2−501
one step algorithms, numerical errors 2−24252
optimal control of an exterior Robin problem 2−13658
optimal control spectral factorisation 2−4920
optimal parameter estimates in regression models with special covariance structure and their use in two-factor experiments 2−19269
optimisation, sparsity and piecewise linearity 2−170
optimisation 2−8649
orthogonal design extension to higher dimensions, Hadamard and weighing matrices, appls. 2−8346
parallel processing for sparse matrix lower triangular system algorithm 2−4921
partitioned matrix, inverses 2−168
permutation inversion 2−13713
positive semidefinite matrix decomposition 2−8359
power network sensitivity anal., complex Lagrangian approach 2−27451
power symmetric stochastic matrices 2−8388
matrix algebra continued
power system, quasi-Newton method for optimal load-flow solution under emergency mode of operation 2−7494
power system active and reactive load loss calc. *(Russian)* 2−22777
power system dynamics simulation, system components model 2−22836
power system transients model, Kron matrice method *(Russian)* 2−19273
power systems, large scale, stability region determ. 2−3679
power transformers, single-phase, state model and transient anal. 2−27978
prediction-error identification methods 2−4919
primitive spaces of matrices of bounded rank 2−158
probabilistic algorithms and straight-line programs/ for some rank decision problems/ 2−487
pursuit by several objects, nonlinear differential game 2−24076
pursuit problem with integral constraints on player controls 2−24075
quadratic equation, numerical algorithm 2−19320
quadratic functional half-plane minimisation 2−4695
radicals of the semigroup of triangular matrices 2−13361
ranks of certain matrices 2−162
ranks of some (0,1) matrices with constant row sums 2−8350
rational fractions and Hankel matrices 2−8400
Rayleigh quotient iteration, general 2−8711
real symmetric matrices, eigenvalue bounds 2−8387
realisation of a class of nonlinearly-parametric networks *(Russian)* 2−13926
rectangular matrices, graph theoretic methods for qualitative anal. 2−8335
recursive unsolvability problem concerning products of upper triangular 3×3 matrices 2−19069
relationship between genetic algebras and semicommutative matrices 2−8365
roth's theorems and decomposition of modules 2−8370
Rutishauser test matrix with exact Moore-Penrose inverses 2−8713
Schur complement 2−8372
second order adjoint matrix equations 2−8360
semi-positive definite matrix, direct method for solution of linear algebraic equations *(Chinese)* 2−13366
semisimilarity for matrices over a division ring 2−8366
sensitivity of matrix exponential problem 2−8755'
sequences of binomials, set-theoretical approach 2−24029
Shanno-Toint procedure for updating sparse symmetric matrices 2−24193
short-primary linear induction motor field calc. transfer matrix model 2−4147
simultaneous iteration applied to the solution of finite element models in ship vibration 2−532
simultaneous linear equations solving, generalised Broyden's method 2−8712
six-phase power transmission systems fault anal. and fault currents suppression 2−7522
skew-reflection matrix and the generalization of householder transformation *(Chinese)* 2−13707
Skolem, emptiness problem 2−19285
small-signal output parameters sensitivity determ. of linear ICs, efficient algorithm *(Russian)* 2−14905
sparse, AQ algorithm 2−447
sparse, finite element meshes branching envelope reducing algorithm 2−448
sparse, industrial appl., conf. at Reading, UK 1980 2−439
sparse, numerical portable software 2−449
sparse for power system transient stability anal. 2−3663
sparse matrices reduction method 2−19077
sparse matrix techniques in engineering practice 2−444
sparse quasi-Newton updating 2−13661
sparse variable metric optimization method applied to the solution of power system problems 2−22883
sparsity, numerical algorithm 2−19318
sparsity minimisation, Newton method 2−440
spectrum of matrix in arbitrary region of some class, containment criterion 2−19073
Sperner's lemma appl. to matroids 2−19162
square matrix diagonal multiples multiple roots 2−8341
squirrel cage induction machine, magnetic field, eddy current contrib. 2−23300
stability theorems for 2×2 hypermatrices 2−13635
Steinhaus graphs, complements of 2−24166
storage rings, elementary spinor algebra for polarised beam 2−3337
stress transient anal., continuous space continuous time method model 2−8663
structural dynamics, Lanczos algorithms 2−450
structural dynamics finite element model 2−8666
structural stiffness matrix equations, resumable segment computerised solutions 2−13655
sufficient conditions for the solubility of inverse eigenvalue problems 2−8710
sum of matroids 2−13342
superconducting AC generator transient currents calc. 2−4075
switches, HV, kilometric defect solicitation severity evaluation using computer *(Rumanian)* 2−28053
switching networks, n-fold parallel path searching 2−6477
symmetric Gaussian elimination, numerical algorithm data structures 2−19321
symmetric linearised eigenvalue problems simultaneous inverse iteration 2−8661
symmetrisation, algorithm 2−4697
symmetrised set use for order mappings of transition function matrices 2−8393
synchronous machines, dqO coordinates equation system, modal transformation *(German)* 2−27889
synthesis of passive reversing ccts. with transformer elements *(Russian)* 2−19487
TEM multi-conductor systems with circular cylindrical conductor geometry, line parameter matrices *(German)* 2−26019
tensor products of linear homogeneous inequalities 2−13360
test equations property for finite differences or finite element methods 2−8725
thick and thin sectorial plate, elasticity calc. model 2−8662
thyristor controlled DC motor anal. 2−4222
Toeplitz matrices commuting with tridiagonal matrices 2−8380
Toeplitz system, numerical algorithm 2−19322
Toeplitz-Hankel coeff. matrix system of eqns., efficient soln. 2−21340
transitivity for fu y-valued switching functions minimisation 2−13667

matrix algebra continued
transposition of a rectangular matrix 2−163
trilinear aggregating with implicit cancelling for fast matrix multiplication 2→13710
two-associate class PBIB designs, connectedness criteria 2−4816
two-dimensional surface of a space of autocomposition 2−19074
unsteady flow computations, cyclic matrices appl. 2−494
variable structure circuits anal. algorithm using difference equation-structural numbers method and discrete and continuous Laplace transformations *(Russian)* 2−28002
vibrational response SCOR model 2−8667
Wishart distribution expected value operators eigenfunctions 2−8551
world economy sparse matrix model 2−451
X-matrix simplex method *(Russian)* 2−4897
Zarankiewicz theorem 2−13581
zero line sums and maximal rank 2−8389

maximum-demand indicators
see also power measurement
setting-up, appl., accuracy, and testing *(Croatian)* 2−27371

maximum principle
see also dynamic programming
EHV transmission system containing controlled reactors, transient stability limits 2−3689
maximum likelihood method for piecewise regression models with a continuous dependent variable 2−4720

maxmin technique *see minimax techniques*

Maxwell equations *see electromagnetism*

MBE *see molecular beam epitaxial growth*

Mealy Moore machines *see finite automata*

mean free path, carrier *see carrier mean free path*

measurement
see also specific measurements, e.g. frequency measurement
see also instruments; measurement by laser beam; recording; reflectometry; testing; units (measurement)
maintaining measurements in the market place 2−26694
mathematical methods utilisation *(Slovak)* 2−11308
optical metrology, electronic and electrical instrumentation appls. *(Portuguese)* 2−11332

measurement by laser beam
see also laser velocimeters; plasma diagnostics by laser beam
aerosols, electro-optical meas., air pollution detection *(German)* 2−3639
Anoscan Large Precision Measuring Machine 2−22076
atmospheric scattering by atmospheric aerosol, turbulence parameter determ. using laser method 2−21001
attenuation standard, automated precision piston attenuator for RF and microwave instruments calibration 2−11369
blood velocity measurement by fibre optic laser Doppler anemometry 2−27135
boundary defects, interferometric laser probe detect. of Stoneley wave interactions 2−8917
cardiac activity, human, at apex region, laser speckle interferometric obs. 2−3462
close target location, accuracy of polar coordinate estimation *(Russian)* 2−26541
combustion diagnostics, by spatially precise laser techniques 2−10407
cytology, ultrafast laser scanner microscope for digital image anal. 2−27133
defect detect. of epitaxial structures due to buried layer, laser scan method for ICs 2−9707
diameter of calibrating diamond draw-plate, by laser diffractometric method 2−17127
dielectrics, charge distrib. meas., high resolution laser pulse method 2−26941
displacement interferometric meas., laser radiation divergence effect *(Russian)* 2−3270
distance, by pulsed solid state laser, range of apparatus *(Rumanian)* 2−11623
distant moving target, polar coordinate meas., quasioptimum filtering in laser device *(Russian)* 2−26542
electro-optical distance measuring instrument, two channel laser modulation *(German)* 2−15348
electromechanical transducers, amplitude of oscillations, laser instrument for meas. 2−26821
electronic and electrical meas. and test instruments, conf., Ottawa, Canada (Sept. 1981) 2−11367
exhaust plume of liq. fuelled rocket motor, three beam laser cross correlation meas. of density fluctuation 2−15592
fiber optic laser probe for acoustic wave measurements 2−25479
fibre characterisation by back-reflected light measurement *(Norwegian)* 2−25506
flow of gas, using stabilised ring laser 2−15585
flow rates measurement in liquids and gases, using Laser-Doppler velocity meter *(Dutch)* 2−7233
flow speed meas. system controlled by minicomputer *(Dutch)* 2−7237
flow velocity distrib. meas. with laser Doppler imaging system and TV camera 2−17178
frequency standards stability improvement, cooling atomic ions with lasers 2−11317
GaAs photodiode, sensitivity mapping using laser beam scanning equipment *(Slovak)* 2−25620
gas density, Pb-salt diode laser tunability utilisation 2−12081
geodesy, performance and results of satellite ranging laser station at Kavalur, India, in (1980) 2−3574
handbook of semiconductor laser diodes and appls. 2−8142
heart, action potential propagation meas., laser scanning system 2−22551
Hi-Fi loudspeaker design, cone surface vibration measurement by laser techniques 2−11265
highway construction equipment, laser control 2−21003
hydrocarbon liquids, prebreakdown and breakdown phenomena obs. using high-speed image convertor camera with laser illum. 2−1486
hydrocarbon liquids, prebreakdown disturbances and luminescence obs. using laser schlieren technique 2−1485
in-process meas. of surface roughness in turning 2−6287
interaction of laser with target obs., high-speed cinematography and interferometry developments 2−10341
interferometer based skin friction meter, for wind tunnel flow meas. 2−12007
interferometric dilatometer and specimen holders for thermal expansion coeffs. meas. *(Japanese)* 2−11449

measurement by laser beam continued
interferometric meas. and computerised evaluation of ultrasonic displacement 2−11339
IR detector using transient thermal lens effect 2−3163
laser interferometer for high temperature isothermal length changes over long time periods 2−21000
line width measurement model using IC *(Slovak)* 2−11613
line-gauge calibration, automatic system *(Italian)* 2−26709
linear and pit shaft deform. measuring units 2−20999
machine screw pitch and led error meas. by laser interferometer and optical feeler *(Japanese)* 2−11616
medical optical fibre technique for He-Ne laser screening of the human body 2−27146
multibeam collimator using prism stack for surveying 2−6246
near-IR ranging device, dynamic motion of air seals meas. on surface-effect ship 2−22221
on-line measurement of fine-crystal response to crystallizer disturbances 2−6283
optical coupling coefficient measurement method based on thermal expansion 2−20998
optical time domain reflectometry, using YAG laser, increase in detectable fault location length 2−3288
p-n junction minority carrier lifetime meas. by laser scanning digital system *(Rumanian)* 2−20121
particle size and refractive index meas., crossed-beam laser anemometry method 2−20993
passive ring resonator method for sensitive inertial rot. meas. in geophysics and relativity 2−17135
photolithography, positive resist and developer lot-to-lot variability meas. for Si wafers, laser end point detect. apparatus 2−1265
plasma etching, end-point detection with laser interferometry 2−14791
pulsed fuel spray drop-sizing technique for time resolved drop size measurements, using He-Ne laser beam diffraction 2−3275
radiotelescope, mm-wavelength, surface meas. by modulated laser beam 2−11129
rain gauge, detect. of raindrop induced scintillations 2−3599
raindrop meas. in near-field using laser disdrometer 2−27268
Raman spectrometer employing pulsed dye laser and gated analogue detection 2−15583
rangefinders, eyesafe, using 1.73-μm Er:YLF lasers 2−3611
road pavers, sensors and laser systems 2−21004
road surface shape meas. using laser sensor 2−21005
scoliosis evaluation utilising truncal cross-sections, laser scanning 2−27147
semiconductor material/device characteris. using two-wavelength laser scanner 2−10405
shock oscillations on spiked body obs., flow visualisation using laser interferometer 2−12003
space geodesy, present state of Laser Synchronisation by Synchronous Orbit (LASSO) expt. *(French)* 2−3575
spark machining numerical control system appl. *(German)* 2−20992
spectrometer for laser-light scatt. meas. of macromol. and subcellular particle motions 2−27144
sperm motility study apparatus, microprocessor anal. of scatt. laser light 2−27149
surface measurement in three dimens., optical techniques 2−7215
tidal channel flow, laser Doppler velocimeter meas. of geophysical turbulence 2−17574
velocity measurement using laser speckle statistics 2−17133
vibration detection meter using two laser beams for differential meas. *(French)* 2−17130
wind tunnel testing, surface recession meas. using projected fringe technique 2−12008
workpiece diameter, vibration and position sensing by laser, quality control automation 2−10395
CO_2 laser radar accuracy and resolution improvements 2−21872
He-Ne laser applications in engineering meas. 2−6285
$Hg_{0.7}Cd_{0.3}Te$, photogenerated carrier lifetime meas. using contactless opt. technique 2−9432
SO_2 concentration meas. by lidar and computer 2−22744
Si melt level automatically controlled, using laser beam monitoring 2−24279

measurement errors
A/D conversion error correction algorithm 2−26843
AC bridge, systematic error analysis in meas. complex quantities 2−26897
aC power-loss measurements in solid dielectric materials at industrial frequency 2−7189
AC/DC signal ratio measurement using field transistor *(Russian)* 2−17071
ambiguous measurements, filtering problem conditions 2−22032
amplitude-phase meter, wide-range, two-channel 2−26883
analogue measuring instruments, automatic zero-supression for high resolution *(German)* 2−3022
anemometer for near sea surface, 3-D hot-film type 2−3594
angle digitizers accuracy, for polymodal instrumental error distribution functions 2−16760
ATE for nonlinear distortion meter, errors evaluation under a priori conditions 2−26738
ATE performance assessment 2−26757
ATE specifications clarification 2−22151
balance, humidity effect on double knife-edge balance readings 2−26973
beta radiation standard sources testing, systematic error estimation 2−17227
bridges and automatic potentiometers verification, w.r.t. GOST standard 2−26896
bridges pseudobalance, four-arms, supplied with sinusoidal voltage 2−17044
calibration theory 2−26700
capacitance loss bridges, unifying admittance calc. 2−7195
comparison of a general non-linear two-port enhancement model with a fourteen term non-linear model 2−26699
computerised system, algorithm 2−26698
cross-correlation functions meas. of stochastic processes, statistical errors 2−3026
depth measurement by stereo TV system, determination of accuracy *(Russian)* 2−22177
diameter meas. of calibrating diamond draw-plate, by laser diffractometric method 2−17127
differential absorption LIDAR for remote meas. of NO_2 profile in stack plume *(Japanese)* 2−22746

measurement errors continued
diffuse object spatial displacement meas. accuracy using holographic interferogram data 2−22392
digital instruments, using additive-multiplicative iterative algorithm 2−16755
digital system, transients and noise detection method 2−22090
directional pattern construction, measurement errors in near-field scanning, directional pattern construction 2−21230
distribution networks, MW, fault type, anal. and measurement *(Italian)* 2−27475
dynamic error in measurement system with different nonlinearities and filtering circuits *(Russian)* 2−16941
earth loops effect *(German)* 2−6347
electronic meas. apparatus, dynamic loads effect estimation 2−16757
fast measuring with microcomputers for on-line-weighing 2−22414
flatness meter, optical, optimal base marks position determ. 2−17187
flow meas. through porous media, liquid saturation meas. using gamma densitometer 2−22447
force sensor-machine interaction identification and quantification 2−22401
frequency stability measurement methods *(German)* 2−11577
frozen ground thermo-physical props. measuring instrument *(Russian)* 2−17551
geomagnetism, effects of upper atmosphere elec. currents on satellite magnetometer data 2−17552
high impulse voltage recording by A/D convertor *(French)* 2−17067
horn antenna effective area meas. 2−17118
indirect meas., linear programming approach 2−16756
induction watthour meter performance on rectifier/inverter circuits 2−12318
infra LF periodic signals, harmonic analyzer design *(Russian)* 2−22211
infra-LF balanced harmonic analyzers for periodic signals *(Russian)* 2−22212
insulation measuring device for strain gauge technique *(German)* 2−11448
integrating measurement and control systems, accuracy assessment *(Russian)* 2−22031
IR process analyser recongition method *(German)* 2−11312
iterative algorithms for errors correction, for digital meas. instruments 2−16759
laser Doppler anemometer readings, correction for cylindrical interface refr. 2−3296
least squares approximations appl., estimates accuracy assessment 2−16762
LF phase-sensitive phase-shift indicators, error anal. *(Russian)* 2−22345
liquid quantities meas., test equipment installations meas. 2−16771
LV networks short-circuit magnitudes measurements *(German)* 2−22772
magnetic field-strength meter, design and performance evaluation *(Russian)* 2−22305
magnetic induction meter, performance evaluation *(Russian)* 2−22306
magnetotelluric sounding, errors of new technique for layered Earth inversion 2−17544
MCM one-dimensional theory 2−26697
mean values, appl. to meas. techniques *(German)* 2−26695
mercury vapour lamps electrical charact., dependence on configuration and freq. of current source output signal *(Russian)* 2−28219
micrometer screws, error correction *(Polish)* 2−7210
microprocessor-based meas., statistical errors correction *(Czech)* 2−16751
microprocessor-based pick-ups transfer charact. *(German)* 2−11314
microscope with photoelectric sighting of object's edges, for components dimensions meas. 2−7105
model for measuring equipment error from test results 2−16765
network analyser, automated, using air-line references 2−11416
neutron dose rate meas., detector error evaluation 2−11821
ohmmeter error tolerances normalisation 2−17025
optical image density, measurement error anal. and reduction by logarithmic amplifier *(Russian)* 2−2364
permittivity of liquids meas., electrode polarisation effect 2−17099
phase calibrator, with linear conversion of controlling code in phase shift 2−7179
precision standards development, for measurement techniques in power engineering 2−16770
products parameters meas. using nonstandard installation 2−16763
pulsed radiation, energy measurement using homogeneous thermoelastic transducer *(Russian)* 2−22275
pyrometer, multi-wavelength 2−22279
radionavigation tachogenerator residual voltage influence *(Russian)* 2−3025
reflectometric meas. of transmission line elements parameters 2−17115
remote sensing, statistical scale-up estimators for surveys where detect. and classification errors exist 2−12064
results processing, using empirical probability distribution *(Bulgarian)* 2−3024
RMS deviation estimation 2−16764
sensor for meas. obstacles in below-cutoff waveguides, automatic 2−11603
speed, Doppler radar error anal. 2−3280
steady-state signals sampling, meas. errors *(German)* 2−10611
stochastic measurement methods statistical errors *(Slovak)* 2−11311
stress X-ray meas., using non η corrected side inclination method *(Chinese)* 2−17182
sytematic measurement errors 2−3031
telemetering error in multi-level despatcher control systems *(Russian)* 2−12316
temperature meas. using thermoelectric thermometer, potentiometer testing errors determ. 2−17158
temperature measurement techniques certification, for thermal and nuclear power stations 2−17157
terrestrial photovoltaic performance reference conditions 2−18504
thermocouple, uniformity improvement of thermoelectric props., using Chromel, Alumel and Copel wires 2−16959
thermoelectric microwave watt-meter, component errors, method of multiplicative correction *(Russian)* 2−26889
thermometer, piezoelectric frequency, meas. error analysis 2−16952
thermometer probes, dynamic characteristic correction *(Polish)* 2−11451
three phase power meas., accuracy 2−3807
transducer for meas. linear dimensions, input bridge circuit parameter effect 2−16954
transducers, measurement charact. improvement *(Russian)* 2−3143
transformer DC pick-up, optimum supply voltage selection 2−3119
transistor switching times, digital meas. *(Bulgarian)* 2−26969
uncertainties calc. 2−22038
measurement errors continued
underground cable fault location, DC bridge measuring instrument *(Russian)* 2−22965
unit accuracies in instrument measuring complexes for dynamic effects *(Russian)* 2−3021
US flowmeters, self-balancing AC potentiometer *(Russian)* 2−16754
VLSI test systems overall timing accuracy anal. and definition 2−22101
voltage mean value convertors, dynamic error analysis *(Polish)* 2−7177
wattmeters sampling at regular intervals 2−22312
weighing, anal. *(German)* 2−11640
wind-vane mounted three-dimens. hot-wire probes, flow around sensor 2−3595
zero drift analysis of charge-to-voltage convertor 2−26809
Si quality statistical estimation, specific resistivity inhomogeneity determ. 2−25120

measurement standards
see also atomic clocks; temperature scales
3D meas. machines performance monitoring 2−22391
absolute electrometer for measuring voltages from 50 to 150 kV *(French)* 2−17033
AC power and energy standard, for Australia 2−22963
accelerometer use as vibration standard, absolute interferometric calibration 2−22039
acoustoelectric transmission system, noise level meas. and noise level standards *(German)* 2−11278
AM radio signals meas., metrological provisions in Soviet Union 2−17116
ASTM type US standard reference block 2−12102
ATE calibration by means of dynamic transport stnadards 2−26756
atternuation, automated precision piston attenuator for RF and microwave instruments calibration 2−11369
calibration error location 2−22033
calibration theory 2−26700
computerised system 2−26696
current United States activities in photovoltaics consensus standards 2−16773
DC voltage reference standard, using Si diodes as transfer media 2−11327
deadweight stndardising machine, PW-MO 500 kN *(Polish)* 2−11323
eddy current testing standards for nonferrous metals 2−8926
electromagnetic theory 2−8934
electronic and electrical meas. and test instruments, conf., Ottawa, Canada (Sept. 1981) 2−11367
fluorescent lamp for spectral brightness density meas., in vacuum UV region 2−3033
frequency, coherence limits for very-long-baseline interferometry 2−17561
frequency, cooling atomic ions with lasers 2−11317
frequency, passive Rb standard S/N ratio and short-term stability 2−17085
frequency deviations comparator, on basis of phase detection 2−17087
ground integrity testing, problems, hospital appl. 2−3524
He-Ne/I_2 laser as a frequency standard in the visible spectrum 2−25888
history, development of the SI system *(Japanese)* 2−11319
instrumentation standards attitudes and preparation 2−3032
international, development in Japan *(Japanese)* 2−26703
ion chambers for photon dosimetry, minimum operational requirements, book contrib. 2−17262
IR surveys of building heat losses, ASHRAE standard update 2−3075
Josephson effect, adaption in the volt standard *(Japanese)* 2−11320
microphones vibration sensitivity determ. *(German)* 2−11272
non ferrous conductivity standards, eddy current meas. 2−11325
OMA 50-kH standard time, frequency transmission system, controlled by caesium clock 2−26970
phase angle calibration standard, NBS, with auto-zero feedback compensation 2−11324
precision standards development, for measurement techniques in power engineering 2−16770
pressure transfer, using triple point of gases in sealed cells 2−11659
products parameters meas. using nonstandard installation 2−16763
pulse standards, IEEE/IEC, for waveform analysis 2−11326
reference equivalents, determination by objective meas. 2−10784
relationship between mechanical and electrical quantities and physical constants 2−3028
RF voltage standards, use for calibration of precision voltage meas. devices 2−16769
SEM magnification standard, grating or conjugated struct. 2−9385
SHF power and noise spectral power density standards comparison, using bolometric transducers 2−6983
SI measurement system application in Soviet railway transport *(Hungarian)* 2−26705
sound level meters, plug-in concept, IEC 651 meas. standard 2−12097
temperature, use of graphite electrode of electric arc 2−14554
temperature unit working standard, 1064.43-1769°C, using thermoelectric thermometers 2−26983
terrestrial photovoltaic performance reference conditions 2−18504
thermal energy released by power station meas., precision norms and techniques 2−17082
thermocouple, Fe-CuNi sheathed, reference standard for calibrating industrial thermocouples *(German)* 2−11438
time comparison, ABC Television Network policy 2−21902
time scale comparisons, temperature-correlated Loran C signal propagation delays influence 2−22034
time scales comparison 2−3239
turbogenerator monitoring, shaft vibration and direct phase angle meas. *(German)* 2−27654
two-way time transfer, simultaneous, using Symphonic satellite 2−26704
uniform measuring base for power and energy at 50 Hz 2−17081
vibration level measurement, Japanese Industrial Standard *(Japanese)* 2−3274
voltmeters, ohmmeters and ammeters, minicomputer calibration 2−22089
weighing standardisation and legislation, impact on production and quality control 2−22413
weights and measures in trade legislation 2−22412
X-ray energy spectrometers with semicond. detector, window absorpt. and efficiency loss meas., standard techniques 2−27105
X-rays meas., pulsed 2−6984
Cs portable standard, PLL controlled Gunn diode oscillator 2−17142
He-Ne laser, I_2 stabilized, wavelength meas. by Michelson interferometer 2−6985

measurement standards continued
Nb-Nb_xO_y-Pb Josephson tunnel junction, structural anal., for voltage standard 2−5943
$^{238}U'$ decay constant, dosimetry and standards, fission-track dating workshop 2−7357

measurement systems
A/D and D/A converters, 12- to 18-bit, NBS calibration service, design, measurement and operation 2−19743
A/D and D/A convertors, 12- to 16-bit, indirect automated measurement using ATE system 2−19744
A/D and D/A convertors automatic testing using 18-bit precision DC measurement system 2−19742
aerospace, metrological charact. *(Russian)* 2−7379
Analogic ANDS-5400 modular data logging system, appls. in areas of high speed response and meas. accuracy *(German)* 2−26789
analogue extreme-value store for unipolar input signals *(German)* 2−11414
Anoscan Large Precision Measuring Machine 2−22076
antenna performance meas. on OTS-2 2−10558
automatic continuous mass measuring equipment, principles 2−6996
automatic fragment-weighing apparatus, electromechanical system, use in explosive testing of materials, deve- lopment 2−7024
bit error measurement equipment *(Danish)* 2−3035
calibration data evaluation, transducers and measuring instruments *(Hungarian)* 2−11318
calibration standards 2−22089
calibration synthesis and verification model 2−26701
calibration theory 2−26700
centralised data processing, equipment charact. *(French)* 2−11333
contactless, power supply selection *(Russian)* 2−13956
control and meas. system distribution function 2−8215
DC current meas., pA and μA range 2−17070
deconvolution as a technique to improve measurement-system data integrity 2−16752
depth measurement by stereo TV system, determination of accuracy *(Russian)* 2−22177
Deutsche Bundesbahn's three-coordinate measuring apparatus *(German)* 2−16777
digital signals measurement and sampling *(Spanish)* 2−26792
electric traction, contact force measurement between contact wire and contact strip *(German)* 2−28166
high-precision measuring devices from TESA SA of Switzerland *(French)* 2−22040
IEEE-488 for computerised microwave meas. 2−22379
injection moulding of thermoplastics mould filling behaviour measurement method and systems *(German)* 2−26707
integrated instrumentation amplifier appls. *(German)* 2−5115
integrating measurement and control systems, accuracy assessment *(Russian)* 2−22031
load measurement using microprocessor based measuring system and field adjusters *(Hungarian)* 2−22338
microcomputer-based system, evolutional synthesis 2−26797
micromeasurement system for submicron geometries, fully automated, IC appls. 2−3057
multiple coordinate measuring machines, selection and operation *(German)* 2−26962
MV, testing and jacket defects location *(German)* 2−27502
nonlinear analog function circuit errors, automatic measurement using data acquisition systems *(Slovak)* 2−8954
production gauging, multidimensional, Machsize M^3 2−22072
propagation meas. in the Gulf by microcomputer-controlled automatic stations 2−6898
pulp and paper production industries process measurement and control using optical systems *(Swedish)* 2−16975
SAW acoustic, transfer charact. *(Russian)* 2−16776
sea-bed measurement and logging using computerised techniques *(Swedish)* 2−26543
software structures for online data processing in computerised system *(Russian)* 2−26730
static characteristics and dynamic runs measurements in low-power induction motors *(Polish)* 2−7847
Tektronix TM 5000, function generator, counter, multimeter, interface, computer-instrument controller *(German)* 2−22043
TOC system *(German)* 2−26986
trajectory, secondary processing optimal algorithms and ccts. 2−2352
transducers, instruments and measurements in the process industries 2−26813
transitional data with amplitude probability density distribution, meas. and control method 2−22209
trends due to advances in technology 2−16774
trends in instrumentation and measurement systems, electronic methods, review 2−11335
voltage measuring transformer accuracy testing, electronic system *(Polish)* 2−7023

measurement theory
1/f noise effect on EM meas. assessment using model 2−16753
accuracy assessment, efficiency of a set of estimates by a generalized method of least squares 2−16762
analogue measuring instruments, automatic zero-supression for high resolution *(German)* 2−3022
basic concepts 2−16767
C-space dynamic error theory 2−26702
calibration synthesis and verification model 2−26701
cascaded linear network, Elmore and traditional rise times comparison 2−13920
comparison of a general non-linear two-port enhancement model with a fourteen term non-linear model 2−26699
computerised system 2−26696
computerised system meas. error 2−26698
definitions and relations in technical sciences *(Croatian)* 2−3023
effective polarisation parameters of rain from orthogonal linearly-polarised transmissions 2−10472
electrical parameters in transmission systems and theory of their meas. 2−11313
electrochemical impedance meas. 2−22349
false signal suppression in problem of raising resolution 2−3027
ideal measuring device design 2−16766
instruments testing, periods between tests optimisation, w.r.t. test quality 2−6980
MCM one-dimensional theory 2−26697

measurement theory continued
mean values, appl. to meas. techniques *(German)* 2−26695
microcomputer-based system, evolutional synthesis 2−26797
multiport networks deembedding, generalised method 2−13908
random processes analysis, periodically nonstationary 2−16761
results processing, using empirical probability distribution *(Bulgarian)* 2−3024
signal maximum determ., nonlinear statistical theory *(Slovak)* 2−11310
stationary charact. of meas. devices improvement, by parametric and structural means *(German)* 2−6981
statistical analysis of measurement data 2−16768
transfer function polynomials orders reducing 2−16758
uncertainties calc. 2−22038
unit accuracies in instrument measuring complexes for dynamic effects *(Russian)* 2−3021
voltage, effective average and RMS values meas. *(German)* 2−17068
wattmeters sampling at regular intervals, errors evaluation 2−22312

mechanical birefringence
see also photoelasticity
elliptical-cladding single-polarisation optical fibres, birefringence charact. 2−25497
fibre, single mode, elliptical, thermal stress induced birefringence anal. 2−25489
integrated optical force and stress sensor 2−7078
optical fibre, polarisation maintenance 2−1728
optical fibre or preform, stress distribution meas. 2−25485
optical fibre pressed into a V groove, stress-induced birefr. 2−20653
optical fibres, single-mode, birefr., polarisation holding 2−20654
optical fibres, single-mode, stress analysis finite element method 2−6011
optical fibres, single-mode birefr. and polarisation charact. under elastic deform. 2−9994
CO_2 laser with annular resonator, performance with polariser in annular leg 2−15515
GaAs substrate, dislocation behaviour during LPE of $Ga_xAl_{1-x}As$ 2−565

mechanical engineering
contour of complete nonuniqueness as a method of structural optimization with stability constraints 2−13637
electromechanics, laboratory work, project-type experiments 2−23912
mining, shaft sinking, aspects 2−13133
satellite solar power stations, microwave power transmission mechanical problems 2−18092

mechanical engineering computing
see also computerised control
airflow through cascade of turbine blades, comparison with laser anemometry results 2−7234
angular vehicle crosswind gusts dynamic response 2−13005
ATE for mechanical failure prediction 2−22118
beam transverse shear and rotary inertia Gaussian model 2−13789
bimetallic disc stress anal. differential equations model 2−8727
cable models, finite segment, fluid force representation Lagrange equations 2−13739
complex contoured surface meas., extended profile scanning program 2−7209
constant-moment cam design, establishment and solution of a differential equation *(Chinese)* 2−13717
doubly curved isoparametric triangular shell stress anal. model 2−8768
doubly curved quadratic shell element, penalty factors appl. 2−8659
dynamic response by means of functions of matrices 2−13788
engineering drawings, extraction of line structured data 2−21381
forced vibrational response finite element model 2−8773
free edge interlaminar stress finite element model 2−8728
gas turbine control system model 2−12510
internal combustion engine crankshaft bearing reliability calc. 2−19035
jet stream fluidine model 2−12443
laminated shell structures, finite element analysis 2−13738
meshing engagement, enveloping method *(Chinese)* 2−13719
non-prismatic three-dimensional beam finite element model 2−8771
nonaxisymmetric vibrations, use of basic element matrices 2−13656
nonlinear creep buckling analysis of initially imperfect shallow spherical shells 2−8730
on the stress trajectories of membrane forces in cracked reinforced concrete slabs 2−8665
optimum design of stiffened conical shells with natural frequency constraints 2−8772
plane elasticity, Cauchy type, integration algorithm 2−8770
plate bending finite element formulation 2−13653
QDS gauge control system 2−7012
road vehicle braking power arrangement by axle computerised calc. *(Croatian)* 2−28186
rod lengthwise shock Boltzmann Volterra equations 2−4965
rolling contact finite element model 2−8733
rolling resistance, of wheels, on undulated soft ground, elec. automatic meas. *(Japanese)* 2−3056
rotor vibrations research, using minicomputers, aerospace appl. 2−4007
ship's structural mechanics computation, review and development *(Chinese)* 2−13647
simple Stirling engine for classroom use 2−12442
simulation of a velocity control electrohydraulic servomechanism with pulse-width control *(Slovenian)* 2−6386
simultaneous iteration applied to the solution of finite element models in ship vibration 2−532
sparse matrix appl., conf. at Reading, UK 1980 2−439
sparse matrix techniques in engineering practice 2−444
stepping motor system, electrical and mechanical design, computerised model 2−7885
Stirling engine performance anal., hyperbolic partial differential equations model 2−12449
Stirling engines performance anal. 2−12448
stress anal. slope stability limit equilibrium method 2−8660
stress boundary integral equations numerical algorithm 2−8769
stress transient anal., continuous space continuous time method model 2−8663
structural dynamics, Lanczos algorithms 2−450
structural dynamics finite element model 2−8666
structural stiffness matrix equations, resumable segment computerised solutions 2−13655
symmetric linearised eigenvalue problems simultaneous inverse iteration 2−8661
thick and thin sectorial plate, elasticity calc. model 2−8662
thin shell stress anal. finite element model 2−8729

mechanical engineering computing continued
transportation reliability numerical anal. algorithm 2−19055
transverse shear and rotatory inertia effects on nonlinear vibration of orthotropic circular plates 2−8732
vibrational response SCOR model 2−8667
wood plates loaded holes stress finite element anal. 2−8731

mechanical organs *see artificial organs*

mechanical permeability *see permeability*

mechanical properties of solids *see mechanical properties of substances*

mechanical properties of substances
see also bending; brittleness; creep; deformation; elasticity; fracture; hardness; internal stresses; mechanical strength; photoelasticity; plasticity; stress relaxation; stress/strain relations; viscoelasticity
rolled bars mech. props. NDT with KAP-1 instrument 2−13896
superconducting coil materials, mechanical properties, influence on prestress 2−1668
wire, in situ formed, twisted, AC losses 2−5930

mechanical strength
for fatigue strength, see fatigue; for creep strength see creep fracture
see also bending strength; compressive strength; fracture toughness; impact strength; notch strength; shear strength; tensile strength; yield strength
concrete, US testing 2−8872
engineering materials, quantitative US eval. of mech. props., review 2−8879
fibre-optic flexible elements, resist. to mech. stimuli, ambient environment influence 2−10026
fibre-optic waveguides used in optical communication systems, mech. strength 2−20664
glass as engineering material, types, behaviour and strength testing 2−19466
optical fibre strength, military system requirements 2−1717
polymer film rolls, supporting capacity 2−13866
power transmission towers, flange joints, required strength 2−7568
PTFE insulating material, mech. and elec. lifetime-under-load at cryogenic temps. 2−20464
submarine coaxial cable, design guide for 43 mm armoured cable, stranded wire theory appl. *(Japanese)* 2−16330
submarine coaxial cable, design guide for 43 mm nonarmoured cable *(Japanese)* 2−16329
Al-Mg-Si conductor alloys, elec. cond. and mech. props. 2−610
MoMn paste composition and sintering parameters effect on leuco-sapphire-metal bonds 2−613
SiC based resistance material 2−13859

mechanical testing
see also creep testing; dynamic testing; fatigue testing; fracture toughness testing; hardness testing; materials testing; mechanical variables measurement; notch testing
accelerated stress test for electronic components 2−18975
compressor, axial-flow, dynamic blade motion meas. by non-contacting eddy current method 2−22455
electronic components, equipment climatic, mechanical tests *(Spanish)* 2−18980
fibre-optic waveguides used in optical communication systems, mech. strength 2−20664
gas turbines operating on pressurised fluidised-bed combustion flue gas, wear, deposition and corrosion behaviour prediction 2−27768
glass as engineering material 2−19466
holographic attachment, for machine for field of displacements determ. 2−620
mechanical measuring using digital techniques 2−11361
nondestructive, real-time, phase conjugation in $Bi_{12}SiO_{20}$ crystals appl. *(French)* 2−25875
O-ring wear test machine 2−648
sand, moulding and core, universal apparatus for strength meas. 2−19479
strain meas. system, using capacitance probe 2−623
superstructure materials for MHD superconducting magnet 2−1666
telecommunication equipment, mechanical durability test, loads occurring during transport *(Hungarian)* 2−8255
tensile testing, servocontrols for automation 2−622
waveguides based on metallized polyester materials *(Russian)* 2−24646
wooden poles for LV overhead power lines, breakage tests *(German)* 2−17745
Si, influence of O_2 on wear 2−5701

mechanical variables control
this heading is restricted to those variables which are not covered by other specific headings. See also, for example, force control; thickness control; velocity control; vibration control
optical fibre diameter; regulation and control by automatic system, BIS-2 meter 2−11349

mechanical variables measurement
see also elastic moduli measurement; force measurement; pressure measurement; shock measurement; strain measurement; stress measurement; torque measurement; vibration measurement
camera profile projector focal plane determination, using optoelectronic method *(German)* 2−22388
fibre optic measurement sensors 2−25522
optoelectronic servos, using position sensitive photodiodes *(German)* 2−20743
rolling resistance, of wheels, on undulated soft ground, elec. automatic meas. *(Japanese)* 2−3056

mechanical waves *see elastic waves*

mechanoception
balance maintenance, instrumented stabilometer for dynamic studies 2−27117
skin sensitivity to spatiotemporal patterns, computer-controlled tactile matrix using piezoceramic transducers 2−26710

medical administrative data processing
see also medical computing
behavioural medicine laboratory appls. of microprocessors 2−27195
Bell System Dimension 2000 PABX, hospital appls. 2−6697
conf. Houston, TX, USA (Sept. 1981) 2−4580
Hospital Communications Management System software package for DIMENSION 2000 PBX, patient-care data update 2−6687

medical computing
see also medical administrative data processing; medical diagnostic computing
behavioural medicine laboratory appls. of microprocessors 2−27195
cardiac gated scintigram analysis using digital boundary detect. techniques 2−7317
cardiac isotopic image processing 2−3486
cardiopulmonary data-acquisition system, computerised control of stress rates 2−3459
conf. Houston, TX, USA (Sept. 1981) 2−4580
ECG measurement sensitivity, computational assessment 2−11932
ECG simultaneous noise filtering and data compression, computer algorithm 2−27188
EEG anal., graphics-based computer system 2−22557
EEGs of epileptic patients, computer evaluation system 2−22558
electrophysiology, exptl., automated data processing *(Russian)* 2−27172
fast Walsh transform ECG data compression algorithm 2−27191
hearing aid fitting, computerised method based on meas. at ear drum 2−3513
hierarchical nonparametric classification strategy for discriminating EEG patterns of higher cortical function-s (HCF) 2−7336
hospitals, prototype generalised network technology implementation 2−21626
intra thoracic anatomy reconstruction and display 2−7324
intracranial pressure recording, microprocessor based analyser 2−27124
motor neuron refractory period and subnormal conduction in man, noninvasive computerised meas. 2−3492
paediatric physiopathological modelling by computer *(Italian)* 2−17405
physiological variations, estimation of subject-specific normal ranges based on statistical models 2−273
pulmonary performance, non-invasive continuous monitoring 2−27163
QRS complex, computerised meas. of first derivative 2−7327
signal processor for real-time meas. in neurophysiology 2−6450
strip-chart electrocardiograms, computer-assisted meas. and classification 2−27190
vectorcardiograms interpretation through artificial learning, VITAL 2−27192

medical diagnostic computing
see also computerised signal processing
biological impedances meas., automated microcomputer system appl. 2−7180
compound scan pulse-echo imaging, reconstruction techniques 2−11908
computer-based RADEX radiology system 2−3511
computerised tomography, US, for medical investigations *(Swedish)* 2−27129
conf. Houston, TX, USA (Sept. 1981) 2−4580
cytology constrained optimisation 2−3510
digital fluoroscopy for injecting contrast material into arterial system 2−27166
ECG processing, high speed data compression using microcomputer and logic 2−11929
expiration characts., using microprocessor-based analyser *(Bulgarian)* 2−3453
foetal bradicardias automatic diagnosis, using autocorrelation function 2−11931
microwave, transmission and reflection for medical investigations *(Swedish)* 2−27128
sensory-motor reaction time measurement for performance anal. using apparatus with embedded microcomputer systems *(Japanese)* 2−27123
sequential diagnostic model for medical questioning 2−272
surgical pathology, new instrument 2−27164
VDUs, high resolution shadow-mask Hi-rem picture tubes *(German)* 2−7328
X-ray exposure factors, microcomputer calculated, clinical evaluation 2−27165

medical effects of radiation *see biological effects of radiation*

medical electronics *see biomedical electronics*

medical information processing *see medical administrative data processing; medical computing*

medical sciences *see medicine*

medicine
see also biomedical engineering; cardiology; health hazards; patient diagnosis; patient monitoring; patient treatment; physiology
anaesthesiology, clinical engineering role 2−17327
biomedical data, statistical variability, serial correlation on power estimates and on comparative testing of samples influence 2−274
categorical variable selection based on entropy reduction 2−4795
clinical engineering, participation in research activities 2−17328
clinical laboratory data, interpretation of normal ranges based on new concept of individual difference quotient 2−271
clinical trials, asymptotic relative efficiency of survival tests with covariates 2−13452
clinical trials, exponential, two-armed, sequential estimation 2−8473
clinical trials, sequential comparison of two exponential distributions with censored survival data 2−13449
closed epidemic, Brownian motion and a sharply curved boundary 2−24094
disease, differential diagnosis, latent variable models for statistical diagnosis 2−8468
epidemiology, Lagrangian distribs. appls. in queueing theory 2−191
hospital data, Koziol-Green model for random censorship 2−8471
myocardial infarction, acute, short-term prognosis using stepwise probit discrimination 2−4779
patient's case history automatic transmission over voice channel, digital attachment 2−16210
renal models, Simpson rules 2−13777
survival studies with tied death times, likelihood calculations for matched case-control studies 2−13453
telecommunications and health in the Third World 2−6496
video teleconferencing by the medical education teleconference 2−6949
Watson's U_N^2 statistic for a discrete distribution 2−13454

melting point
benzil, accurate meas. using thermoelec. resist. thermometer *(Japanese)* 2−11652
measurement, accurate, using thermoelec. resist. thermometer *(Japanese)* 2−11652
solder preform with fusion temp. gradient 2−4647
Ga, 29.7714°C primary temperature standard appl., for laboratory and industrial appl. 2−22037
$LiGaSe_2$ single cryst. growth and characterization 2−8792

melting point continued
Pb, accurate meas. using thermoelec. resist. thermometer *(Japanese)* 2−11652
Sn, accurate meas. using thermoelec. resist. thermometer *(Japanese)* 2−11652
memories *see digital storage*
memory devices *see digital storage*
mercury arc rectifiers
No entries
mercury lamps *see mercury vapour lamps*
mercury vapour lamps
electrical charact., dependence on configuration and freq. of current source output signal *(Russian)* 2−28219
fluorescent lamps, UV, charact. for operation in irradiating installations *(Russian)* 2−28218
optimal parameters determ. using mathematical model *(Russian)* 2−28220
mercury vapour rectifiers *see mercury arc rectifiers*
merged-transistor logic *see I^2L*
m.e.s.f.e.t. *see Schottky gate field effect transistors*
mesomorphic state *see liquid crystals*
meson detection and measurement
No entries
meson effects
No entries
message switching
airport departures noticeboard telecontrol working experiences *(French)* 2−22705
AUTOMEX, Japanese overseas data communication systems 2−2532
AXB 20 telex and data switching system, store and forward facility *(Croatian)* 2−2612
blocking in a shared resource environment 2−10729
communication networks immune to isolated failures 2−2400
electronic mail and facsimile terminals *(French)* 2−21474
electronic message systems, struct., delivery, address identification and user interface standards 2−16074
heterogeneous packet switching, optimum packet size for message communications 2−21405
IBM SNA virtual route pacing control, model and anal., Norton equiv. of queueing model 2−2546
Marconi U4000 distributed message switching system 2−21465
MCC 8000, message control centre, description 2−6671
meteorological automatic data editing and switching system, equipment description and use 2−3600
multipacket message reassembly times 2−26168
SIEMENS SYSTEM EDS text and data switching system, development of software 2−10936
SIEMENS SYSTEM EDS text and data switching system, on-line maintenance by exchange site program 2−10938
SIEMENS SYSTEM EDS text and data switching system, software maintenance 2−10937
SIEMENS SYSTEM EDS text and data switching system 2−10935
store-and-forward data communications networks, two-queue nonuniform message channel, delay anal. 2−26167
telex transmission in background of store and forward data communication systems 2−26234
metadynes *see amplidynes*
metal castings *see castings*
metal corrosion *see corrosion*
metal-insulator boundaries
see also metal-insulator-metal structures
Al-SiO_2 internal photoemission charact., forming gas anneal effect 2−9505
Al-SiO_2-Si structure with plasmochemical insulator, elec. props. 2−14729
Si-SiO_2 interface in MOS structures, radiation-induced trivalent Si defect buildup 2−14705
Si-SiO_2-Al structure, Al-SiO_2 and Si-SiO_2 interlayer charact., ellipsometry, C-V meas., and AE-S study 2−5638
metal-insulator-metal devices
IR detector-mixer, using MOM diode 2−16984
Josephson and room temp. appls., contact area less than $10^{-11}cm^2$ 2−1377
MOM diode, heterodyne anal. 2−9519
MOM diodes, meas. and theory 2−24722
nonuniformities in ultra-thin oxide layers, effects on props. 2−9521
quantum correction measurement at zero bias in metal-oxide-metal diode noise 2−25241
thin-film metal-oxide-metal photodetectors, freq. charact., detect. mechanism 2−9662
tunnel junctions, fabrication by mask changing device *(Spanish)* 2−20274
visible laser line freq. difference meas. up to 170 GHz using MIM point contact diodes 2−11642
Al-SnO_2-Al, thin film capacitors, dielectric loss and constant 2−14314
Au-SiO_2-Au diodes, electroforming in organic gases, voltage controlled negative differential resist 2−25103
metal-insulator-metal structures
blocking contact MIM structures, theory of elec. charact. 2−5643
cathode, modelling of electron emission 2−9358
cathode emission current control, MIM system, automatic control circuit 2−24859
charge storage and transport in electron-irradiated and corona-charged dielectrics 2−20154
harmonic generation in MIM struct. 2−1257
liquid crystal displays, multiplexed, MIM nonlinear device optimisation 2−25556
polystyrene film, undoped and doped with acrylic acid, elec. cond. 2−5641
quartz interlevel insulation, reliability evaluation 2−25100
resonant broadening of trap assisted tunnelling 2−14733
surface plasmon light emitter, electrically tunable, proposal 2−6108
tunable oscillator development feasibility utilising a metal-barrier-metal-barrier-metal junction system 2−20903
tunnel junctions; low freq. noise model 2−25102
Al-Al_2O_3-Ag MOM tunnel structs., surface plasma oscills., dispersion anomalies 2−9520
Al-Al_2O_3-Ag tunnel junctions on gratings, light emission 2−20155
Al-Al_2O_3-Ag tunnel structures, dispersion anomalies of surface plasma oscills. 2−14737
metal-insulator-metal structures continued
Al-Al_2O_3-metal thin film capacitors, breakdown voltage rel. to capacitor area 2−20153
Al-AlO_x-Pb(Ag) structure, inelastic electron tunnelling spectroscopy 2−14734
Al-barium stearate-Sn, thin film diode struct., temp. depend. of internal voltage 2−5640
Nb-oxide-Ag junction, tunnel barrier modification by Al monolayers 2−1255
SiO_x film, reactively evaporated, elec. cond. props. 2−5642
W-Ni point contact diodes, nonlinearities 2−25104
metal-insulator-semiconductor devices
see also charge-coupled devices
C Si:H, amorphous, MOS solar cell, fundamental tunnelling process 2−25084
CASMOS, accurate MOS device model with geometry-dependent parameters 2−20266
CMOS development *(German)* 2−1370
CMOS ternary gates, self-checking systems 2−14888
diode, pinhole model 2−14880
diodes, efect of non-zero switch-off voltage on transient waveform 2−5751
flat TV vacuum fluoresent display, with MOSFET switching array 2−26922
four pole electron tube for radio and TV transmitters *(Japanese)* 2−20016
hot electron and phonon effects in layered semicond. struct. and heterostruct. 2−14675
metal-tunnel insulator-Si thyristor under base voltage drive, transient switching charact. 2−20243
MNOS devices, endurance and retention charact., −50° to 125°C 2−14874
MNOS memory cell, degradation, Su_3N_4 cond. increase mech. 2−14884
MOS capacitors, DC magnetron sputtering process parameter rel. to hot electron trapping 2−20148
MOS capacitors, matching props., voltage and temp. depend. 2−20255
MOS capacitors, radiation-induced voltage shift meas. 2−14704
MOS capacitors, radiation-produced flatband voltage shift, photon energy effect meas. 2−14706
MOS capacitors and transistors, Al metallisation, effect of H_2-Ar mixing 2−1320
MOS devices, fringing field effects, three-dimensional model 2−9672
MOS gas detectors using transition metal-gate 2−22429
MOS gate, control for negative resist. diode 2−1336
MOS inversion layer solar cells, surface recombination current 2−12860
MOS-transistor parameter determination, optimisation procedure 2−1386
MOSFETs, n-channel, threshold-voltage instability under bias-temp. ageing 2−25234
MOST, dependence of avalanche-induced minority current on multiplication factor 2−20267
nonuniformities in ultra-thin oxide layers, effects on props. 2−9521
photodiode integrated devices for image processing calc., using integral transforms *(Russian)* 2−10136
power MOS-technology and applications *(Swedish)* 2−25231
Schottky-barrier diode, barrier height change 2−25197
solar cell, MOS thin-film, steel substrate passivation with tungsten layer 2−4353
solar cells, computer-aided anal. 2−23464
solar cells, double-exponential current-voltage charact., effects on cell performance 2−12878
solar cells, pinhole model 2−18486
switching-mode power supplies using latest MOS-technology *(Swedish)* 2−24388
thyristor, optical transient switching meas. 2−1366
thyristor thresholding transducer in optical systems 2−10152
TV liquid-crystal display panel, using MOSFET/capacitor array with gate bus drivers 2−26921
Al-SiO_2-GaAs-n^+-GaP, MIS light modulators using Franz-Keldysh effect 2−6057
Al-SiO_2-Si MIS solar cell, elec. and photoelectric props. 2−12872
CdSe thin film MIS solar cell, characterization 2−23593
CdTe-Langmuir film MIS solar cells photovoltaic props. 2−23426
GaAs MIS capacitors, anodically oxidized, interface props., computer-controlled meas. set-up 2−20143
GaAs, MOS solar cell, open circuit voltage enhancement mechanism 2−28101
GaAs thin-film MOS solar cells, 10 μm film thickness, charact. 2−23621
n^+-GaP-stearic acid-Au MIS Schottky diodes, elec. and photoelec. props. 2−20228
Ge_3N_4-GaAs MIS devices, elec. charact. and memory behaviour 2−25091
Ge_3N_4-n-GaAs MIS devices, interface charact. determ. 2−14883
H_2 detector using Pd MOS Schottky diode 2−11443
HgCdTe MIS capacitors, ionising radiation effects 2−14860
InP MIS triodes, surface controlled, as luminescent devices, surface inversion charge density meas. 2−1814
n-InP-Al_2O_3 interface, anodic growth, props., enhancement-MISFET fabrication on semi-insulating substrates 2−20260
InP-SiO_2(Si_3N_4) MIS capacitors, interface props., C-V meas. 2−5635
Pt-SiO_2-n-Si solar cells, elec. charact. *(Japanese)* 2−18481
Si, carrier transparent and device performance, influence of cryst. defects, book contrib. 2−1169
Si MIS solar cell, AES study of stability 2−7998
Si MIS solar cells, temp. dependence of short-circuit current 2−8010
Si, metal-tunnel oxide-n-p^+ switching device charact., effects of device geometry and fabrication processes 2−1385
Si, polycryst., high efficiency inversion layer solar cells by appl. of Si_3N_4 2−23422
Si polycrystalline in MIS devices, grain boundary effects, capacitance, cond. 2−14722
Si polycrystalline MIS solar cell behaviour in H_2 passivation process 2−23620
Si solar cell, metal-insulator-semiconductor p-n, ion implantation doping 2−28104
Si solar cell; metal-insulator-n-p junction struct., 678 mV open circuit voltage 2−4338
Si solar cells, HV high efficiency, MINP structure 2−23638
Si solar cells, thin-film, polycrst., comparison between MIS and p-n junction cells 2−23624
Si:F,H, amorphous, MIS photovoltaic device, large area, high efficiency 2−25623

metal-insulator-semiconductor devices continued
Si:H, amorphous, MIS solar cell, interface state of oxidation effects 2−28115
Si-F-H amorphous film, Schottky-barrier and MIS solar cell appls. 2−23564
Si-SiO_2 interface roughness, oxidation parameter influence 2−1242
Si-SiO_2 MOS system, As implants through SiO_2 layer, TEM, Rutherford backscatt. and device charact. study 2−20198
SiMIS solar cells, potential advantages 2−23526
SiO_2-GaAs MIS diode, props. of spin-on interfaces 2−1389
SnO_x-GaAs MIS solar cell, interface, Auger study 2−7996
ZnS, forward biased MIS light-emitting diodes with thick interfacial layer, physical processes 2−1820

metal-insulator-semiconductor integrated circuits *see field effect integrated circuits*

metal-insulator-semiconductor structures
angle lapping and staining ion implanted layers, anomalous effect 2−9555
capacitor, graphic method of substrate doping determ. from C-V charact. 2−1252
charge distribution in insulator films of MIS structures, meas. methods *(Japanese)* 2−1250
charge properties, influence of Si etching in RF Ar plasma *(Russian)* 2−1245
charge storage, 270-420K, with plasma grown SiO_2 *(Russian)* 2−1244
charge-transfer, electrode gap role 2−25256
depletion widths anal. 2−1251
field effect in crit. thickness layers, electrostatic charact. 2−25086
lamelliform materials, opt. props. and charact. 2−14607
light detection with MIS struct. operating under avalanche multiplication conditions 2−20752
liquid crystal light valve, photosensitive MIS structure, as dynamic image transducer 2−6066
majority-carrier charact. meas., automatic modular expt. set-up using IEC-bus *(German)* 2−16821
minority carrier lifetime and doping profile determ. by photoinjection 2−9504
MISIM structures, switching 2−1241
MISIM structures. switching obs. 2−1240
MISM structures, switching obs. 2−1240
MNOS capacitors, high electric field effect on C-V characteristics *(Japanese)* 2−1246
MNOS memory element, conductivity activation energy change, mechanism 2−1206
MNOS memory element structures, degradation phenomena, mechanism 2−9664
MNOS structure, degradation props. 2−9507
MNOS structure, memory-window size temp. depend. 2−14726
MNOS structure, quasi-static and HF C(V) curves, insulator polarisation effect 2−25089
MOS, low-doped, pulsed photoinjection, characteris. of doping level and minority carrier lifetime 2−9512
MOS capacitor, B doped, generation lifetime, C-t characteristics meas. 2−14714
MOS capacitor, enhanced low temp. diffusion of electron beam evaporated Al into SiO_2 2−25078
MOS capacitor, generation lifetime determ. from I-V and I-t meas. 2−25090
MOS capacitor, improved oxide from backsurface Ar implantation 2−1238
MOS capacitor, physical characterisation of deep bulk levels by MOS conductance technique 2−25088
MOS capacitors, field-sensitive interface states, total dose hardness assurance implications 2−14708
MOS capacitors annealing with implications for test procedures to determine radiation hardness 2−14703
MOS structs., memory effects caused by irrad. *(Russian)* 2−14723
MOS structure, surface photovoltage, surface pot. fluctuations effect 2−5634
MOS structures, charact. of slow interface traps created during electron avalanche injection 2−25099
MOS structures, nonuniformly doped, ideal C-V curves calc. 2−20151
MOS system, equilib. and non-equilib. C-V curves in time and freq. domain 2−25096
MOS system, surface states and minority carrier generation meas. by DLTS *(Japanese)* 2−9510
nondestructive testing, low-current source 2−3249
photocapacitive study 2−20150
power MOS-technology and applications *(Swedish)* 2−25231
SIPOS-Si structure fabrication, washed emitter method 2−1459
solar cells, MIS, p-type, electron capture by surface states, adverse and beneficial effects 2−23448
solar cells, MIS junction, low work function metals semitransparent films props. 2−23449
solar cells, photovoltaic charact. in p-n junctions, heterojunctions, Schottky and MIS structures *(Japanese)* 2−4360
surface plasmon light emitter, electrically tunable, proposal 2−6108
thin MOS structures, for harmonic generation in near-MM wave range 2−24718
tunnel insulator-semiconductor interface appl. 2−25097
tunnel structure, photoelectric props. 2−9514
Al-PSG (SiO_2)-Si system, interface passivation and distrib. of mobile ion trapping levels *(Chinese)* 2−14701
Al-SiO_2-Si MOS structs., metallisation by secondary-ion mass spectrometry *(Russian)* 2−14804
Al-SiO_2-Si structure, hole mobility and density of states at Si-SiO_2 interface 2−5637
Al-SiO_2-Si structure with plasmochemical insulator, elec. props. 2−14729
Al-SiO_x-Si tunnel MIS structures, photoresponse, current-voltage, lux-ampere, freq., and load charact. 2−10160
Al-Tb_2GeS_5-Fe structure, charge transport mechanism 2−14728
Au/Si_3N_4/p-Si structure, charge transfer, temp. depend. 2−9508
Au-doped MOS capacitor, truncated load method for modelling *(Rumanian)* 2−1239
Au-Langmuir film-InP 0.085 eV Schottky barrier 2−25077
Au-mica-p-Te:Cu film MIS struct., field effect studies 2−20145
Au-oxide-n-GaAs struct., forward biased, electroluminesc. 2−9515
CdSe-MIS solar cells, props. 2−23453
GaAs MOS structures, charge trapping in anodic native oxide under pulsed laser illum. 2−20144

metal-insulator-semiconductor structures continued
GaAs precoated with Al, composite oxide film formation by DC plasma anodisation 2−9586
GaAs-oxide interface states: gigantic photoionization via Auger-like process 2−14718
n-GaAs-oxide layer, interface defect states effect on electronic props. 2−14717
$Ga_{1-x}In_xAs$ MOS structures, plasma anodisation and interface props. 2−25079
$Hg_{0.7}Cd_{0.3}Te$-anodic oxide interface in MOS structure, charge trapping 2−9513
InSb-based MIS struct., carrier generation processes under nonequilib. depletion conditions 2−9516
$MoSi_2$/SiO_2/Si MOS structures, edge defined patterning 2−9733
n-SI MOSFET-type struct., electronic response to illumination, surface effects 2−10116
Si (100) MOS inversion layers, transverse and Hall conds., temp. depend. under strong mag. fields 2−14732
Si epitaxial layers on Si substrate, elec. props. 2−20060
Si inversion layer in strong mag. field, temp. depend. Hall cond., mobility edge model 2−20146
Si inversion layer MIS solar cells, electrostatic effects 2−23641
p-Si MISIM and induced back surface field solar cells 2−23639
Si MOS, two-dimens. system, weakly localised, mutual interactions, intervalley impurity scatt. effect 2−14713
Si MOS capacitors, generation lifetime improvement by laser damage gettering 2−9406
Si MOS structs., pre-breakdown field treatment effect on elec. props. *(Russian)* 2−1248
Si solar cells, MIS/SIS structure advantages and problems in comparison to thermally diffused p-n junction structure cells 2−4373
Si thin film, applicability of vacuum deposited silicon 2−12895
Si-MOS n-inversion layers, Anderson localisation and negative magnetostresistance *(Japanese)* 2−14721
Si-rare earth oxide film MOS struct., negative resist., switching and signal generation 2−25094
Si-SiO_2, effect of γ-radiation on elec. props. *(Russian)* 2−1253
Si-SiO_2 interface, hot electron induced defects 2−25098
Si-SiO_2 interface in MOS structures, radiation-induced trivalent Si defect buildup 2−14705
p-Si-SiO_2 MIS structure, photocapacitive study 2−20150
Si-SiO_2 MOS struct., electron capture at Na^+ sites, 77 to 296K 2−25080
Si-SiO_2 MOS structs., donor conc. in Si surface layer, electron irrad. temp. effect 2−9517
Si-SiO_2-Al structure, Al-SiO_2 and Si-SiO_2 interlayer charact., ellipsometry, C-V-meas., and AES study 2−5638
Si-SiO_2-Al structure, Fowler-Nordheim electron tunnelling 2−14710
Si-SiO_2-Al structures, electron tunnelling 2−9503
Si-SiO_2-Ta sputtered coating, interface stresses and elec. props. 2−14730
Si_3N_4, amorphous, MIS inversion layer solar cells fabrication, properties and performance 2−23452
Si_3N_4 film, MNOS struct., electron traps, photoionisation cross-section 2−25081
SiO_2, in MOS struct., thermally stimulated hole currents 2−1247
SiO_2, irradiated, electron-hole recombination from microdosimetry viewpoint 2−14707
SiO_2-GaAs interface, props. of spin-on interfaces 2−1389
SiO_2-Si:B, ion implanted layers, equivalent circuit 2−25087
SnO_2-SiO_2-n-type Si MIS solar cells fabrication and performance 2−23451
Ta-Ta_2O_5-MnO_2 system, space-charge-limited cond., Poole-Frenkel effect 2−25092
Ti-p-Si MIS type Schottky barriers 2−25083

metal-insulator transition
see also electrical conductivity transitions; minimum metallic conductivity
amorphous semiconductors, pressure-induced effects and phase transitions 2−25026
polyacetylene, p-type, dopant profiles and optical and electrical props. 2−20119
Si-MOS n-inversion layers, Anderson localisation and negative magnetostresistance *(Japanese)* 2−14721

metal-oxide-semiconductor devices *see metal-insulator-semiconductor devices*

metal-oxide-semiconductor field effect transistors *see insulated gate field effect transistors*

metal-oxide semiconductor structures *see metal-insulator-semiconductor structures*

metal-semiconductor boundaries *see semiconductor-metal boundaries*

metal semiconductor field effect transistors *see Schottky gate field effect transistors*

metal-semiconductor-metal structures
electrodes, conduction by tunnelling across energy bands of amorphous substrate *(French)* 2−14735
Al-$Se_{32}Te_{32}As_4Ge_{32}$-Au structure, elec. charact. of amorphous semicond. layer 2−14736
As-Se-Te, metal-semicond.-metal struct., elec. props. 2−25101
CdSe sandwich struct. photoresistors, manufacture and elec. props. *(Russian)* 2−1254
In-Ga:Cr-In struct. with S-type I-V charact., field distrib., switching mechanism 2−20156
Mo-chalcogenide glass-Mo struct., dielec. props. study 2−1256
ZnO small area MSM thin-film sandwich, high-speed photodetection 2−11493

metal vapour lamps
see also mercury vapour lamps
alkali metal vapour lamp, early blacking mechanism of internal tube wall *(Chinese)* 2−28213
direct retrofit type Sc-Na halide lamps operating with Hg lamp ballasts, luminous efficacy improvement 2−8062
halogen lamps for plant breeding houses illumination *(Hungarian)* 2−23730
HID lamps with high luminous efficiency, appl. 2−4457
high pressure Na lamp, relighting with SON, advantages 2−18750
high pressure Na lamps, advanced design, cost effectiveness 2−18743
high pressure Na lamps for Zone 2 hazardous areas 2−23725
high-pressure Na lamp, efficacy affecting factors analysis 2−13058
low pressure Na lamp, continuous dimming method 2−13059
metal-halide, plasma composition thermochemical calculations *(Russian)* 2−28216

metal vapour lamps continued
metal-halide lamps, electrode design used for single-choke ballast *(Japanese)* 2−8071
modified NaI-ScI_3 metal halide lamps in E18 outer jackets 2−4456
Cd discharge lamps, electrodeless, RF excited, as atomic fluorescent spectroscopy sources 2−8077
Na, high pressure, industrial plant lighting system, optimum performance 2−13071
Na, high-pressure, 1950s to 1980s developments review 2−4455
Na high-pressure lamp, new generation 2−13062
Na lamp, high pressure with high colour acceptability, characts. *(Japanese)* 2−8069
Na lamps, built-in starter unit for high pressure types *(Japanese)* 2−8070
Na, low pressure, 1932-1980s developments review 2−4454
Na, low pressure, industrial plant energy reduction 2−13070
Zn discharge lamps, electrodeless, RF excited, as atomic fluorescent spectroscopy sources 2−8077

metallic epitaxial layers
Al MBE growth on GaAs, TEM and Rutherford backscatt. study 2−24287
W films, deposition on MgO (100), ultrahigh vacuum arc evaporation 2−24286

metallic thin films
see also discontinuous metallic thin films; electronic conduction in metallic thin films; metallic epitaxial layers; metallisation
coating for electrical contacts, tribology 2−19912
deposition technologies, for monolithic ICs 2−24323
microwave IC applications 2−5493
nature of 1/f noise, spectrum analyser instrumental function *(Russian)* 2−7204
reactive ion etching in microcircuit fabrication 2−14923
refractory metal thin film structures, direct writing by laser photodeposition 2−8833
relative density meas. using electron microprobe or SEM 2−14812
superlight rotating reflectors in space, orientation and position control 2−7363
Al based IC metallisations, O conc. detection by resist. meas. 2−5706
Al contact to NiSi using thin W layer as barrier, elec. characts. 2−9612
Al/Cu conductor stripes with polyamide passivation, electromigration 2−14807
AlCu films for bubble memories, defect-free pattern definition 2−20540
Au-Al thin films, effect of O_2 and Ar on interdiffusion of thin film couples 2−8839
Mo-Re alloy films, annealing behaviour 2−5704
Nb electron beam evaporated conducting thin films, current-induced physical props. 2−8829
Nb, on Si_3N_4 film on Si, controlled microcleaving process 2−9530
Ni-Cr films, segregation, AES, electron diffr. and elec. cond. study 2−24337
Ti-Au film on quartz resonator, natural freq., intrinsic stresses effect 2−9833
W films, pattern definition, high resolution 2−20160

metallisation
see also electrodeposition
currentless, electronic technology appl. *(German)* 2−9589
CVD, microelectronics processing appls. 2−13845
diffusion barriers in layered contact structures 2−5707
electrical conductivity of metallic thin films, effect of annealing *(Spanish)* 2−25165
electromigration failure model, Monte Carlo calcs. 2−14809
fine-line metallised ceramics, process improvement 2−24841
flip chip bonded ground plane for ceramic chip carriers 2−14545
GaAs shallow-homojunction concentrator solar cells 2−18572
hybrid contact metal planarization process for fabrication of bipolar transistors 2−25206
IC conductor stripes, electro- and thermotransport effects *(German)* 2−5794
laser diode, (AlGa)As and InGaAsP 2−6218
laser-enhanced plating without reducing agent or external EMF source 2−5702
metallic finish systems for microelectronic components 2−25295
MOSFET devices, stitched contact structure 2−1378
MOSFET VLSI, capacitance of interconnection lines, calc., comparison with computer solns. 2−15009
multilayer metallization IC substrate system, Au-Cu-Cr struct. 2−1404
multilevel interconnections using polyimide insulating films, review 2−14922
Ni/solder metallisation for Si solar cells 2−12910
NMOS LSI, electro-thermomigration of Al metallisation 2−15034
ohmic contacts and layer structures developments, MBE appl. 2−5709
ohmic contacts to semiconductor devices, effect of contact size and non-zero metal resist. on specific contact resistance 2−25072
PCBs, high density, photochemical image formation process 2−1027
Pd contact metallurgical processes, for double polysilicon memories 2−5703
planar metallisation of semiconductor devices with polyimide type polymer PIQ 2−9546
plasmatron high-rate sputtering methods and appls. in microelectronics, hybrid microelectronics and electronics 2−19450
refractory metal thin film structures, direct writing by laser photodeposition 2−8833
reliability physics conf., Orlando, Florida, USA (April 1981) 2−18861
Schottky transistor logic arrays, Schottky barrier diode formation 2−14986
semiconductor devices fabrication, conf., Murray Hill, NJ, USA (June 1981) 2−5778
solar cell front metallisation using thick film inks, processing parameters effects 2−12881
solar cells, HV multijunction concentrator, fabrication by IC technology 2−18578
solar cells, large-area 2−23508
thin film, relative density meas. using electron microprobe or SEM 2−14812
thin film deposition technologies, for monolithic ICs 2−24323
thin film metallisation processes on ceramic substrates for MIC appls. 2−5493
TTL-LS failure modes, long term thermal stability of Schottky diodes realized by PtSi-Ti/W-Al metallization 2−9084
VLSI, multilevel metallization technology, high yield process 2−20375
VLSI circuits fabrication, problems and trends 2−5779

metallisation continued
VLSI multilevel interconnect systems, review 2−9591
VLSI technology, refractory metal silicides appl. 2−5821
Al alloy metallization for IC 2−14806
Al and Al-Cu films, reactive ion etching induced corrosion 2−14803
Al based IC metallisations, O conc. detection by resist. meas. 2−5706
Al contact, improvement of thermal stability for 500°C annealing process, low contact resistance and elimination of junction penetration 2−1321
Al film metallisation, reaction kinetics with phosphosilicate glass passivation 2−14810
Al, MOS capacitors and transistors, effect of H_2-Ar mixing 2−1320
Al metallisation, electromigration meas. techniques for grain boundary diffusion activation energy 2−14805
Al metallisation, reactive plasma etching 2−9592
Al metallisation corrosion in plastic encapsulated ICs, accel. by CF_4-O_2 plasma in presence of die attach epoxies 2−14942
Al metallisation sputtering systems, using high-rate magnetron cathode for mass production 2−19446
Al, spikes prevention in Al layers on Si surface 2−1322
Al/AL-O layered film, integrated circuit appl., surface topography, O content depend. 2−1323
Al/Cu conductor stripes with polyamide passivation, electromigration 2−14807
Al-alloy films, metallisation, electromigration testing 2−9590
Al-Cu metallisation, increase in current carrying capability using predeposited Cr-Cr_2O_3 cermet underlay 2−14811
Al-Cu/Ti improvement of thermal stability for 500°C annealing process, low contact resistance and elimination of junction penetration 2−1321
Al-SiO_2-Si MOS structs., metallisation by secondary-ion mass spectrometry *(Russian)* 2−14804
Al-Si(poly-Si) contacts, temp. treatment 2−20215
Au-Sn-Al metallisations on GaAlAs, interfacial struct. studies 2−5705
Cr-Au-Ag contact metallization for p-Si solar cells, fabrication 2−18560
CrN-Au die attach metallization system 2−14808
GaAs monolithic ICs, material props., epitaxial crystal growth, ion implantation, metallization *(German)* 2−20347
GaAs ohmic contacts fabrication and props., AuGe-based 2−5708
GaAs, problems and trends 2−1324
p-GaP/Au-Zn contact system, out-diffusion process, barrier metals effect 2−25069
Ge-Sa-As(Sb)(Bi) vitreous, influence of bond metallisation on elec. cond. 2−5576
InGaAsP, ohmic contacts, low specific contact resistance, metallisation 2−1237
InP, ohmic contacts, low specific contact resistance, metallisation 2−1237
n-InP-Sn-Au alloyed ohmic contact formation, contact resistance depend. on annealing temp. 2−5633
Mo-Mn for BeO packages for high-power semiconductors, process concepts 2−24002
Mo-Re alloy films, annealing behaviour 2−5704
PtSi-Si shallow Schottky barrier contacts, multilayer metallisation technique 2−1335
PtSi-Ti/W-Al system used in bipolar logic devices, reliability 2−14984
Si, doped poly, composite metallisation of Al, electromigration 2−9588
Si, semiconductor device processing, book contrib. 2−1277
Si shallow-junction photodiodes, metallisation system 2−10151
Si, solar cell type, contact resistivities of transition metal nitride metallisations 2−20216
Si solar cells, monocrystalline, n^+pp^+ structure, junction formation and metallisation sintering using direct coupled microwave heating process 2−12901
Si solar cells, plated metal contacts to wafer, tensile pull-strength rel. to wafer surface roughness 2−23580
Si solar cells, screen printed Al paste back-surface-fields, quality monitoring 2−23509
Si solar cells with plated Ni-Cu metallisation system, reliability 2−23510
n^+-Si/Al solder, ohmic contact, invest. of form. *(Japanese)* 2−1231
Si-SiO_2 systems, physico-chemical processes, behaviour of H and H-containing structs. *(Russian)* 2−1249
SiO_2, electron traps, processing parameters influence 2−9249
Ti, evaporation from W refractory metal boat, service life improvement 2−597
Ti-Cu-Ti metallization, self-aligned via-less interconnection scheme for semiconductor chips, laser-induced connection 2−25285
Ti-Pd-Ag metallization for Si solar cells with gridded back contacts 2−18564
Ti-Pt-Au metallisation bondability problems, in hybrid microwave thin film circuits 2−24845
W dual layer metallisation used in fabrication of NMOS VLSI 32-bit CPU chip 2−14148
WSi_2 interconnection for VLSI circuits 2−15020

metallising *see metallisation*

metallography
see also electron diffraction examination of materials; electron microscopy; optical microscopy
260 MWe combined cycle power plants burning low grade fuels, hot component corrosion metallographic evaluation 2−27757
digital counting of objects in unit area of image, automatic detection of phases and textures *(Polish)* 2−15923
microscope image, surface and circumference of objects, television methods of measurement *(Polish)* 2−15924
steel, austenitic stainless, N strengthened, props., for cryogenic magnet structs. 2−8840

metallurgical industries
see also forging; rolling mills
blast furnace process as object of control, mathematical simulation *(Bulgarian)* 2−4493
DC power supplies for electrolytic processes, reducing losses 2−18349
Donawitz metallurgical works central control installation for power system and process control *(German)* 2−27402
DUNA Iron Works rolling mill experience of reliable operation of electronic equipment *(Hungarian)* 2−23796
electric furnaces, transformer-fed, booster scheme, reasons and anal. *(French)* 2−28240
electrolytic processes energy considerations, conf., Newcastle upon Tyne, England (July 1980) 2−18792
electromagnetic induction mixing systems of molten metal baths in metallurgical industry *(Rumanian)* 2−4489
electrometallurgy and energy crunch 2−18793

metallurgical industries continued
electrowinning and electrorefining, potential of fused salt electrolysis 2−18798
Hall-Heroult cells, with conventional and special electrodes, energy reduction 2−28095
heat recovery equipment in Pb and Zn production plants, development trends *(Russian)* 2−28269
heating inductors used for heating *(French)* 2−23755
inductive stirrer-metal bath system, mixing by electromag. induction *(Rumanian)* 2−18787
linear induction pump for molten metal, one dimensional model 2−18764
melting baths agitator inductive system, electromagnetic field anal. *(Rumanian)* 2−23795
metal circulation in two-phase and three-phase in-line electrode arc furnaces 2−8106
metal finishing industry pollution control program 2−22745
quality control departments function and economics *(Spanish)* 2−4487
quality of ingot heating in blooming mills expressed in terms of the electric energy consumption *(Russian)* 2−18791
role of electrolysis in metal extraction today, and energy costs 2−18794
submerged arc furnace microcomputer control system 2−8108
transverse flux inductor for Al/Cu strips heating *(French)* 2−23756
Volkhov Al plant, efficiency improvements *(Russian)* 2−28270
Al industry appls. for OTEC power plant 2−8109
Al production, energy considerations 2−18799
Cu electrorefining and electrowinning using Cu (I) solns., energy considerations 2−18795
O probe application for controlling O content in molten Cu 2−11461
Zn (Cu) electrorefining plants, energy saving in non-ferrous tankhouses by IR detect. of short-ccts. 2−18797
Zn production, energy comparisons of electrolytic process and pyrometallurgical processes 2−18796

metallurgy
see also ageing; deformation; electrical properties of substances; hardening; heat treatment; magnetic properties of substances; materials testing; mechanical properties of substances; metallography; metallurgical industries; metalworking; phase diagrams; physical chemistry; powder metallurgy; recrystallisation; surface treatment; zone refining
No entries

metalworking
see also bending; cold working; forging; hot working
No entries

meteor trails *see meteors*

meteorites
see also meteors
No entries

meteoroids
see also meteorites; meteors
velocity distribution in near Earth orbit, sliding window method 2−21887

meteorological instruments
see also anemometers; barometers; hygrometers
advanced instrumentation for remote sensing 2−22721
anemometer for marine boundary layer, 3-D hot-film anemometer, calibration and errors 2−3594
automatic data editing and switching system, equipment description and use 2−3600
cloud cover measuring instrument having two sets of solar cells 2−3605
dual-polarization radar, appl. to rainfall distrib. meas. 2−22722
echosonde system for sounding of lower atmosphere, preliminary studies 2−12071
high-resolution weather satellite pictures, image display, testing and alignment 2−26783
IR detector using transient thermal lens effect, weather prediction appl. 2−3163
laser rain gauge, detect. of raindrop induced scintillations 2−3599
microprocessor-based solar data acquisition system 2−22726
multichannel scanning radiometer for remote sensing cloud physical parameters 2−12074
radaracoustic sounding, estimation of Doppler freq. pulsation energy spectra *(Russian)* 2−27276
radiosondes, Swiss, Vaisala and VIZ, intercomparison (in ASOND-78) 2−3606
rain-gauge, influence of the integration time and the height of rain-gauge on rainfall rate statistics 2−24100
security system weather monitor 2−13253
solar radiation measurement, pyranometer operation and routine calibration 2−7436
thermometer, distant-reading, for home construction, cct. diagram and calibration 2−3610
Tiros weather satellites, third generation equipment *(German)* 2−17559
wind measurement with vane mounted 3-D hot-wire probes, wind tunnel tests 2−3595
wind speed and direction meas. station *(Dutch)* 2−27271

meteorological optics *see atmospheric optics*

meteorology
see also climatology; wind
aircraft hazards due to thunderstorms 2−17445
cloud particle effects on reentry environmental conditions forecasting 2−22659
facsimile weather chart transmission 2−10814
German Meteorological Office, telecommunication system *(German)* 2−16215
hydrometeorological data, remote transmission and processing *(Italian)* 2−16190
INSAT Indian domestic satellite communication system, education, meteorology appl. 2−21786
pre-monsoon squalls, 1975 to 1979, over Dum Dum, significant charact. of radar echoes 2−3603
Patiala, India, obs. of meteorological fronts using echo sounding 2−12071
radar (5 cm) detection of storms, attenuation problems 2−15686
satellites, earth station for automatic tracking 2−27272
Sirio-2 satellite program, MDD and Lasso missions 2−7366
thunderstorms relation of satellite-based intensity to radar-estimated rainfall 2−7434
TIROS-N series satellites, high-resolution weather satellite pictures, receiver design 2−11026

meteors
see also meteorites; meteoroids
radio meteor radiant distributions imaging, method using microprocessor-based radar system 2−26566
velocity determination method used for meteoroid distrib. as function of vel. 2−21887

metering
see also ammeters; electrometers; frequency meters; galvanometers; level meters; ohmmeters; phase meters; Q-meters; standing wave meters; volt-ampere meters; voltmeters; watthour meters; wattmeters; wavemeters
50 Hz electric fields, strength meas., spherical meter working principles *(Polish)* 2−11523
broken-line approximation of conversion functions of metering transducers *(Russian)* 2−3144
dip meter for inductance or capacitance measurement, resonant ccts. appl. *(Spanish)* 2−7184
flow rates measurement in liquids and gases, using Laser-Doppler velocity meter *(Dutch)* 2−7233
fullness meter for railway appls. 2−11411
inductance, bridge-type instruments *(Spanish)* 2−3244
industrial plant energy supply metering at distribution transformer, losses *(German)* 2−27582
integrating sound-level meter 2−17028
Kenco Omega meter for electronic assemblies ionogenic contamination measurement and control *(German)* 2−13280
power consumption reduction in trade and industry for cost effectiveness *(German)* 2−28263
power utilisation at consumers terminals for better system load control *(Croatian)* 2−7584
sound pressure meter, 50 to 110 dBA range 2−3185
standardisation of metering devices special invoicing rates incorporation *(German)* 2−12317
Swedish electricity tariffs, socioeconomic and political considerations for greater flexibility *(Swedish)* 2−27350
temperature meter for electric machines, Soviet GOST Standard check *(Russian)* 2−27854
test instruments for electricians and maintenance men 2−22311
voltage, effective average and RMS values meas. *(German)* 2−17068

meters *see metering*

metrology *see measurement*

metrosils *see varistors*

MHD *see magnetohydrodynamics*

MHD convertors *see magnetohydrodynamic convertors*

mica
conformable mica paper tapes for high-voltage appls. in machine insulation 2−23249
crystal, structural props. under dielec. load 2−1466
flake integrated sheet/epoxy laminates, mech. and elec. props. 2−13860
HV machine insulation systems, mica appls., thermal stability 2−23254
HV micaceous insulants, electrical ageing governing factors and their variations 2−25392
machine insulation, high-voltage windings, high strength mica paper/epoxy resin system 2−23251
machine insulation, mica paper tapes/wrappers for use in vacuum press. impregnation systems, evaluation 2−18154
mica-resin insulated coils, tests and degradation criteria 2−7824
muscovite mica solid-state track detectors, etch-pits, electron microscopy 2−11847
paper, electrical insulation appls., review of minerals, elec., mechanical and thermal behaviour 2−20467
paper insulation, effect of material parameters on quality of insulation 2−15086
Au-mica-p-Te:Cu film MIS struct., field effect studies 2−20145

Micelle systems *see colloids*

microassembling
see also lead bonding
ceramic thin film ICs to ceramic chip carriers using solder post attachment 2−24850
electronic industry component assembly process survey *(German)* 2−1082
flip-chip thick-film components for automobile electronics, reliability considerations 2−24839
high-reliability active chips micropackaging techniques for space electronics components 2−1080
hybrid circuit production, automated die and wire bonders 2−9338
IC arrangement on printed circuit plates, algorithm and program *(Bulgarian)* 2−9295
laser microsoldering, productivity improvement 2−20010
microsocket solder joints, anal. of thermal cycle fatigue damage 2−24852
multichip carrier assembly, portable 2−5502
power transistors, improved cost effectiveness and product reliability through solder alloy development 2−9339
semiconductor packaging and interconnection of new generation of ICs 2−14893
solder paste process of hybrid circuits 2−1070
solder pastes, electronic grade, technology 2−9340
tape automatic bonding, reliability of products 2−9341
thick film hybrids, solder attachment of leaded components 2−24851
thick film multilayer boards, chip carriers mounting 2−1077

microcalorimeters *see calorimeters*

microchemical analysis *see chemical analysis*

microcircuits *see integrated circuits*

microcomputers
for microcomputer applications see under relevant applications e.g. computerised control; natural sciences computing
see also microprocessor chips
4-bit one-chip microcomputers companion *(Japanese)* 2−14155
8-bit microcomputers and kits, struct. aid appls. 2−14133
8-bit microprocessor-based for telegraphy and signal processing, evolution 2−26754
16-bit microprocessors, review 2−19706
32K RAM storage expansion for microprocessor systems 2−19711
6508 system, peripheral chips, construction *(French)* 2−19713
8080, function generation machine code programs using 8 bit D/A convertor *(German)* 2−19703
8085A, numerical control unit aids microcomputer in controlling dye laser fine tuning *(German)* 2−1987
A/D conversion microcomputer-based system 2−11421
ADC and DAC interfacing with microcomputers *(German)* 2−891
alphanumeric displays and control by microprocessor *(French)* 2−22152

microcomputers continued
AMS microprocessor SAB 8086, I/O processor SAB 8089, numeric data processor SAB 8087 2−14163
analogue interface design for microcomputers 2−19697
Apple acoustic coupler interface 2−19700
Apple analog-to-digital conversion in 27 microseconds 2−888
apple byte table 2−10625
blind student microcomputer based voice synthesizer 2−18882
buses, mechanical and electrical specifications, comparison 2−10853
CECON 80 conference, Cleveland, OH, USA (May 1980) 2−8161
chemical microcomputer-based laboratory data acquisition systems 2−4554
COSMAC Elf clocked interrupts 2−19699
custom OEM microcomputers, using Rockwell RM65 microcomputer modules 2−14162
data acquisition, input channels number extension 2−22194
design and applications 2−5239
development system with microcomputer cross-assembler, debugging devices, used for general purpose systems *(Japanese)* 2−9112
development systems, support chips 2−5219
development techniques, microprocessor based products, development cycle bottleneck analysis 2−19701
digital filter linear programming 2−24619
ECB85 exptl. computer, procedure for programming Siemens computer (type SKC85) *(German)* 2−14143
emulating microcomputer chip set from RCA using CMOS/SOS technology 2−9108
execution unit, 32 bit, in sealed NMOS single-layer poly technology 2−14174
F-8 microprocessor, transition radiation effects evaluation 2−14153
fast measuring with microcomputers for on-line-weighing 2−22414
fault detection processor, self checking, design *(French)* 2−14168
floating point routines for Z8000 and TI9900 chips *(Italian)* 2−5253
functional building blocks, used for microcomputer board design 2−14160
HV equipment dielectric loss meas. 2−22361
I/O extension for F8 microprocessor system *(German)* 2−14144
iAPX-432, object orientated architecture 2−14176
injection moulding machine microcomputer-based system *(German)* 2−4552
injection moulding microcomputer-based system *(German)* 2−4551
injection moulding microcomputer-based system 2−4553
injection moulding microcomputer-based system 2−4555
INS8073 microprocessor as basis of microcomputer system 2−14140
integrated, technological developments and design problems *(Italian)* 2−5246
INTEL 8048 single chip microcomputer family *(Italian)* 2−5247
Intel 8087-9 range of single chip processors, 8087-9 range *(Italian)* 2−5810
Intel 8748 single chip microcomputer, appl. to half-duplex FSK data modem 2−6659
Intel iAPX 432 microprocesor, software aspects *(German)* 2−19720
iSBC 86/05 single board computer architecture 2−14161
K 1510 microcomputers in remote data processing, appls. *(German)* 2−16816
K 1520 microcomputer system, display device *(German)* 2−3083
Kontron PS 180 microprocessor and appl. to network control *(German)* 2−26272
MAB 8400 microcomputer family, serial I/O 2−14166
manufacturing processes, ATE using programmable meas. equipment and microcomputers, test procedures *(German)* 2−3055
MC 68000 connection of M 6800 *(German)* 2−9103
memory fault location 2−24498
microelectronics developments and technical advances *(German)* 2−14165
microprocessors, architecture, technology, appls. *(German)* 2−19712
microsystems, conf., London, England (March 1981) 2−23895
Mostek single chip 3870 family, circuit details *(Italian)* 2−5248
Motorola 6809 microprocessor and use in microcomputer *(French)* 2−19694
Motorola single chip MC6801, circuit details and operations *(Italian)* 2−5249
multimicrocomputer structure based on extended common bus *(Italian)* 2−16193
multiprocessor system, design using common memory and input-output interface 2−14139
next generation processors, colloquium, London, England (Oct. 1981) 2−13169
NS16000, 16 bit microprocessor architecture *(Spanish)* 2−19718
OSI for network anal. *(German)* 2−651
parameter transfer via the stack, used for microcomputer design *(Danish)* 2−19705
PET-based A/D convertor 2−11420
physiological microcomputer-based time interval meas. 2−26971
problems of microprocessor technique and trends *(Czech)* 2−9105
programmable IC technology *(Japanese)* 2−14157
R 6500/1, general description and full technical specifications *(Italian)* 2−9110
Radio Shack Color Computer A/D circuitry 2−14178
RCA single chip CPD 1804 microcomputer family, CMOS technology and architecture *(Italian)* 2−5250
restart circuit for microprocessors using LM339 quad comparator 2−9164
rounding errors propagation calculation *(Italian)* 2−19272
Schwartz P 2000 microcomputer based on 8048 single-chip microprocessor, optically-coupled inputs *(German)* 2−14136
SDA 2010/110 dedicated microcomputers, used for entertainment electronics 2−14164
semiconductors and microprocessors, SEMINEX seminar, London, England (March 1981) 2−24555
Siemens 8-bit single-chip microcomputer family, characts. 2−811
single board computer based on Intel 8085 2−812
single chip, development trends and application problems *(Italian)* 2−5245
standardisation trends *(Japanese)* 2−14156
static RAM, using Inmos's IMS 1400 16 k×1 device, technology, characts. 2−14118
stepping motor KIM-1 microcomputer based velocity control system 2−12671
Tektronix Model 9100 digital analysis system for microcomputer design 2−16896
testing, disassembly of MC6800/6802 using logic analysers 2−19702
Texas Instruments single chip microcomputer family TMS 9940, architecture and appls. *(Italian)* 2−5251
TMS 9980A/9981, interface with ADC 808/0816 *(German)* 2−887
microcomputers continued
TRS-80 joystick converter 2−19730
universal microprocessor development systems, design considerations 2−24561
VLSI 432, Intel 32-bit computer, interface processor 2−24552
world of microcomputers and appls., unit operation 2−24546
Zilog Z80 and 28 single chip microcomputer range, architecture, software and support services *(Italian)* 2−5252
ZX-80 memory expansion, 16 K 2−19698
microcopying *see microphotography*
microelectrodes
cochlear prosthesis thin-film multielectrode arrays 2−22570
pacemaker stimulating electrodes, comparison of activated vitreous C with Pt-Ir electrodes in animal tests 2−17422
microelectronics *see integrated circuits*
microfarad meters *see capacitance measurement*
microfiche *see microforms*
microfilm *see microforms*
microfilming *see microphotography*
microforms
see also publishing
facsimile and micrographics combination, survey of possibilities and available products 2−10812
microfiche film developer, using gas pressure detector 2−3139
visual patterns, remote access and retrieval system, microfiche storage and facsimile recording 2−2480
microhardness *see hardness*
micromanometers *see manometers*
micrometeoroids *see meteoroids*
micrometers *see micrometry*
micrometry
see also interferometry; strain gauges
digital, high-speed, with time conversion 2−26899
error correction in micrometer screws *(Polish)* 2−7210
microphones
absolute calibration using laser-Doppler technique 2−17602
artificial, proof of performance testing, radio broadcasting appl. 2−26577
calibration, secondary method for meas. of response curve, free and semireverberant fields 2−6976
condenser microphone using Si ceramic for meas. appl. 2−12112
cordless microphone, technical background *(German)* 2−11273
cordless radio-microphones operating in VHF band, transmitter design *(German)* 2−11290
electret, in artificial head, coupling to external ear *(German)* 2−2993
music recording, stereo one point microphone technique *(Japanese)* 2−3004
musical recordings, microphone techniques, single transducer or polymicrophony rel. to music quality and acoustical requirements *(Hungarian)* 2−3010
musical recordings, microphone techniques, single transducer or polymicrophony rel. to music quality and acoustical requirements *(Hungarian)* 2−3011
phased array microphone by charge transfer device 2−12099
piezoelectric AA for electroacoustic transducers *(German)* 2−17104
preamplifiers, description and functioning *(Spanish)* 2−9007
speech processor for FM transmitters, amateur, marine, PMR and military appl. 2−6744
stereo miking, mathematical analysis 2−16691
TV musical programme recording, multiple microphone use *(Japanese)* 2−2869
vibration sensitivity determ. *(German)* 2−11272
voice input to computers, electret microphone appls. 2−15857
microphonics *see microphones*
microphony
No entries
microphotography
see also microforms
semiautomatic search for particularly directed particles in nuclear emulsions 2−27075
microphotometers *see densitometry; photometers*
microprobe analysis, electron *see electron probe analysis*
microprobe analysis, ion *see ion microprobe analysis*
microprocessor chips
4-bit and 8-bit, internal struct. 2−14133
4-bit one-chip microcomputers companion *(Japanese)* 2−14155
8-bit microcomputer family (NSC 800), Z80 and 8085 features, high-speed CMOS fabrication process 2−5256
8-bit microprocessors, benchmark programs used for comparison 2−19717
16- and 32-bit processors, support chips, and development systems 2−5219
16-bit AmZ8000 microprocessor by AMD, interfacing *(German)* 2−24548
16-bit function oriented microprocessor (Texas Instruments TMS99000) 2−5257
16-bit generation characts., MC68000 example *(Slovenian)* 2−14132
16-bit microprocessor, Motorola MC 68000 advanced architecture *(German)* 2−9107
16-bit microprocessor adaptation by 8-bit direct memory access controller 2−14141
16-bit microprocessors, review 2−19706
16-bit microprocessors, review of available types, market trends *(German)* 2−14135
32-bit microcomputer CPUs *(Dutch)* 2−24549
6508 system, peripheral chips, construction *(French)* 2−19713
8080, function generation machine code programs using 8 bit D/A convertor *(German)* 2−19703
8080 series, debugging using standard laboratory instruments 2−5244
8085A microprocessor interrupt system *(German)* 2−19714
8086 16 bit microprocessor system, technology, characts. *(Italian)* 2−19710
A/D and D/A conversion, high speed, appl. to single chip devices and microprocessors *(Italian)* 2−9118
A/D convertor, high speed and noise rejection, developed from microprocessor *(Italian)* 2−14184
advances in speed, density and structures 2−5221
AM29116 16-bit microprogrammable bipolar microprocessor, architecture and design 2−24557
Am 29116 16-bit bipolar microprocessor 2−14138
architecture, design and use problems 2−14169

microprocessor chips continued
basic principles *(Spanish)* 2−24559
BELLMAC-32: a testable 32-bit microprocessor 2−19725
Bellmac-32, 32-bit processor from Bell Laboratories using CMOS technology 2−5241
C^2MOS 8-bit microprocessor 2−14150
C.fast, fault tolerant self-testing microprocessor 2−19722
CMOS/SOS advanced architecture 16-bit microprocessor, floating-point operations, avionics appls. 2−19723
Commodore 6508, single chip 8-bit CPU 2−14142
comparative software performance and for MC6809, MC6800 and Z80 2−19719
control parts of microprocessor, comparative survey of design methodologies 2−14167
COP 1440 single chip microprocessor, MOS n-channel architecture *(Italian)* 2−19707
DC power supplies for microprocessors, typical ccts. *(Spanish)* 2−8983
design and applications 2−5239
development and application fields, review 2−5258
development system for Intel 2920, digital filter implementation example 2−24560
developments in microprocessor evolution, advances spanning 4- to 32-bit levels, review 2−5243
diagnostic test clip and apparatus 2−19716
digital filter concept implementation for student case study using Intel 2920 single-chip signal processor 2−14221
digital speech synthesizer using microprocessors *(Japanese)* 2−10663
dual addressing of a stack-pointer register in a microprocessor 2−24554
EF9365, EF9366 graphics processor chips *(German)* 2−24550
execution unit, 32 bit, in sealed NMOS single-layer poly technology 2−14174
FFT digital chip design status 2−13802
field service for microprocessor systems, tools, future requirements 2−23963
future device technologies and their implications, conf., London, England (Jan. 1982) 2−18879
gate array and firmware design 2−9114
I^2L, 16-bit, 1.25 μm min. geometry, electron-beam direct slice writing, ion implants, plasma etching 2−20388
identification, using interrogation technique *(Italian)* 2−19708
in-circuit emulation, component testing on dynamic bus structured boards 2−22149
instruction storage and execution in 8-bit microprocessor, use of 16-bit addresses, program counter *(German)* 2−810
instrumentation, self-diagnostic testing method 2−22193
integrated CPU's data processing sections analytical testing, M6800 microprocessor appl. 2−19726
Intel 8048 microprocessor, hardware and software aspects 2−5240
INTEL 8048 single chip microcomputer family *(Italian)* 2−5247
Intel 8087-9 range of single chip processors, 8087-9 range *(Italian)* 2−5810
interface techniques and precision signal handling 2−19724
interrupt hardware and modes of operation 2−19696
introductory UART experiments for a microcomputer course 2−13188
isolation circuit for interconnected systems 2−24574
KFT 8080 microprocessor, testing with ICOMAT-110 *(Hungarian)* 2−26735
laboratory manual, book 2−25257
liquid-crystal display drives, single-chip CMOS microcomputer appl., LCD III in HMCS40 series 2−26773
LSI technology development trends *(Italian)* 2−5254
MC6800, control part redesign 2−14167
MC6809 processor and OS-9 operating system 2−19695
microelectronics developments and technical advances *(German)* 2−14165
microsystems, conf., London, England (March 1981) 2−23895
Millenium Systems 9500 series microprocessor development system *(German)* 2−16784
MIPS, processor architecture for single VLSI chip implementation 2−19721
MOS static 4 bit microprocessor used for education of engineering students 2−14172
Mostek single chip 3870 family, circuit details *(Italian)* 2−5248
Motorola 6809 microprocessor and use in microcomputer *(French)* 2−19694
Motorola MC 6800 series, technical information and supporting devices description *(Italian)* 2−9111
Motorola single chip MC6801, circuit details and operations *(Italian)* 2−5249
MPU-based system testing, review of strategies 2−5763
next generation processors, colloquium, London, England (Oct. 1981) 2−13169
NMOS 32-bit microprocessor with virtual memory support 2−14149
NMOS microprocessors, 16-bit, single event upsets for cyclotron-produced neutrons 2−14152
NMOS microprocessors Z80A and Z8002, total dose response 2−14154
NMOS VLSI process for fabrication of 32-bit CPU chip 2−14148
nonrecursive digital processor for filter arithmetic, NMOS LSI 2−5260
NS16000, 16 bit microprocessor architecture *(Spanish)* 2−19718
NS16000, 16-bit processor family *(Spanish)* 2−14158
on-chip time implementation, low-freq. synchronization of high-freq. signals, time-of-day and interval timers 2−19715
packaging, memory/processor chip mounting on single substrate 2−18998
problems of microprocessor technique and trends *(Czech)* 2−9105
product design, Multitech Industrial's Universal Development System for 8/16 bit designs 2−24547
R 6500/1, general description and full technical specifications *(Italian)* 2−9110
RCA's CDP 1805 central processing, peripheral functions unit, technology, characts. 2−14159
RCA single chip CPD 1804 microcomputer family, CMOS technology and architecture *(Italian)* 2−5250
SBP9900A and SBP9989 I^2L microprocessor, cosmic ray induced errors 2−14151
SDA 2010/110 dedicated microcomputers, used for entertainment electronics 2−14164
SDK 2920 kit 2−6444
semiconductors and microprocessors, SEMINEX seminar, London, England (March 1981) 2−24555
Siemens 8-bit single-chip microcomputer family, characts. 2−811
signal transition indicator for microprocessors *(Italian)* 2−9127

microprocessor chips continued
single chip microcomputers, development trends and application problems *(Italian)* 2−5245
single-chip microcomputer architecture software support capability incorporation into Si 2−19729
T-11 16-bit microprocessor in PDP-11 family 2−9104
T-88000, 16-bit microprocessor using CMOS on sapphire technology 2−5242
test method using free running signature analysis 2−14134
test strategy for microprocessor based equipment 2−8258
testability techniques and recommendations 2−19728
testing method using partitioning into modules 2−9113
testing microprocessor boards, review 2−5259
Texas Instruments single chip microcomputer family TMS 9940, architecture and appls. *(Italian)* 2−5251
TI TMS 99000 microchip family for building-block architecture 2−19704
timer, two-channel, principle of operation *(Bulgarian)* 2−9109
TMS 99000 16-bit microprocessor family 2−14175
TMS 9995, power packed microcontroller 2−24556
VLSI 32-bit CPU chip in n-channel Si gate self aligned technology, design philosophy 2−14147
VLSI 432 general data processor, instruction decoding unit 2−14146
VLSI 432 general data processor, microinstruction execution unit 2−24551
VLSI microprocessor on-line testing method 2−5261
VLSI processor architecture and design strategies 2−14173
VLSI self-checking features 2−813
VLSI technology and computer design problems 2−14171
Z80 family, operational functions and codes *(German)* 2−9106
Z80 top address PROM boot, using single driver 2−14137
Zilog Z80 and 28 single chip microcomputer range, architecture, software and support services *(Italian)* 2−5252
Zilog Z-80 microprocessor architecture, functions, appls. *(Italian)* 2−19709

microprocessor systems *see microcomputers*
microprocessors *see microcomputers; microprocessor chips*
microprogramming
see also computer architecture
ECB85 exptl. computer, procedure for programming Siemens computer (type SKC85) *(German)* 2−14143
programmable real-time speech processor, using ECL LSI microprocessor ccts., microprogramming 2−22208
micropulsations
motion picture presentation of mag. pulsations appl. to pulsation characts. determ. 2−22720
Pi C waves in ionosphere and radioauroral pulsations during substorms 2−6328
microrecording *see microphotography*
microreduction *see microphotography*
microscopes
see also acoustic microscopes; electron microscopes; ion microscopes; optical microscopes
X-ray, real-time TV images formation 2−22158
microscopy
see also electron microscopy; ion microscopy; optical microscopy
X-ray source, gas puff Z pinch 2−25276
microtext *see microforms*
microtomes *see laboratory apparatus and techniques*
microtrons
continuously-operated, directional coupler in waveguide channel 2−9212
continuously-operated, directional coupler in waveguide channel 2−14285
MAMI microtron, beam optics and magnet technology 2−7250
MAX, beamline I modifications for synchrotron radiation research 2−7257
particle dynamics numerical calc., accel. field third harmonic effect 2−27017
secondary-electron emission in the accelerating cavity of a microtron 2−22459
microwave acoustic devices *see acoustic microwave devices*
microwave amplifiers
see also masers; microwave parametric amplifiers
bipolar high-frequency and microwave amps., noise characts. 2−13991
broad-band amplifier output network design 2−24413
C-band FET amplifier for TWTA replacement in spaceborne communication transponders 2−5349
common emitter power amplifier, nonlinear mode calc. *(Russian)* 2−24704
crossed-field tubes, computer modelling 2−1112
cyclotron amplifier with slow wave structure, theory 2−14586
distributed amplifier with bipolar Si-transistors: 250 MHz to 6 GHz 2−13974
feedback transistor amplifiers, graphical design method 2−5122
frequency synthesizer, J-band, using Gunn VCO to drive GaAs FET amplifier 2−5355
front end low noise, satellite ground stations appl. *(Rumanian)* 2−21791
Gunn diode amplifiers, noise characts. estimate 2−19880
gyrotron amplifier in waveguide with inner dielectric rod, theory 2−14578
gyrotron oscillator and amplifiers 2−24878
gyrotron travelling tube amplifier, launching loss 2−24880
gyrotron travelling-wave amplifier, initial launching loss calc. 2−14587
high-current relativistic electron beams, interaction with plasma, microwave appls. 2−9364
high-efficiency TWT amplifiers, Ka-band, appl. in intersatellite links 2−5510
IMPATT amplifier, nonlinear distortions *(Russian)* 2−723
low-noise microwave receivers, radio link appls., FET preamplifier design, 2-11 GHz 2−26424
matching network design studies for microwave transistor amplifiers 2−5123
microwave tubes, used for communications satellites, characts. 2−9367
miniature crossed-field amplifiers, slow wave circuit appls. 2−24870
MM wave amplification, in cold cathode glow discharge 2−24692
MM-wave radiation amplification using glow-discharge tube 2−24896
MM-wave solid-state power generation, amplification and combining, appls. 2−5358
monolithic MIC linear amplifier design and fabrication techniques 2−943
multistage MIC power amplifier, 800 MHz band, adjustment free 2−24416
noise in linear two-ports, anal. using scattering waves 2−5121

microwave amplifiers continued
peniotron, nonlinear analytic theory 2—1117
solid-state, parametric synthesis technique 2—19881
tapered wall gyrotron traveling-wave amplifier 2—24877
travelling wave amplifiers, gain parameters 2—14569
travelling wave gyrotron amplifier, small signal bandwidth characteristics calculation 2—14588
travelling wave tube amps. in COMSTAR satellites, in-orbit performance 2—6813
tunnel diode microwave and digital applications 2—9223
two-stage transistor microwave amps. with lossless matching ccts., analysis 2—9232
TWT, freq. independent and freq. dependent nonlinear models 2—14589
ultrabroadband matched microwave amplifiers, LF limitations 2—24695
wide band, high gain amplifier, using GaAs FETs 2—24411
wideband, based on thin film technology in TO-8 housing *(German)* 2—14302
wideband FET amplifiers for airborne electronic warfare systems 2—5360
X-band pulsed amplifier using GaAs FETs 2—24420
GaAS two stage FET low noise amplifier, for freq. range 3.7 to 4.2 GHz 2—24417
GaAs FET, hybrid and monolithic broadband low-noise-and-power amplifiers using feedback techniques 2—5350
GaAs FET, low noise UHF amplifier 2—14305
GaAs FET amplifier, low noise 10.7 GHz 2—19553
GaAs FET amps., CAD for optimum size and performance, EW appls. 2—24419
GaAs FET appls. in microwave integrated systems 2—24719
GaAs FET in microwave TV link, movable transposer *(Japanese)* 2—21928
GaAs FET microwave balanced wideband amplifier *(French)* 2—19864
GaAs FET power amps meas. techniques 2—5357
GaAs FET power combining with travelling-wave combines amplifier 2—9217
GaAs FET receiver for 12 GHz satellite TV broadcasts 2—21951
GaAs MESFET amplifier replacing TWT amplifier, 5-W 8-GHz 2—5359
GaAs MESFET broadband amplifiers with parallel feedback, noise 2—19872
GaAs microwave power FET device and circuit technologies, advances, CAD 2—24706
GaAs monolithic FET ICs, used for high-gain X/Ku-band amplifiers 2—5356
GaAs monolithic ICs for communication engineering *(Czech)* 2—9231
GaAs monolithic low noise X-band amplifier 2—24418
GaAs monolithic microwave power FET amplifiers 2—944
GaAs monolithic microwave circuits for broadband appls. *(German)* 2—949
InP MM-wave Gunn amplifiers, status and trends 2—946

microwave antenna arrays
9.3 GHz long-patch array, provides narrow pencil beam 2—6376
circularly polarized linear array antenna using a dielectric image line 2—2210
concentric ring arrays as freq. selective surfaces 2—15791
dielectric rod leaky-wave antenna for MM-wave appls., freq. scannable, sidelobe levels and polarizations 2—2216
hybrid A/D adaptive beamformer, modified least mean square algorithm 2—6365
imaging system, experimental X-band 'quad' array for low-cost real-time appls. 2—3067
intersatellite links, tracking antennas for 22/33 GHz bands 2—6379
Jerusalem cross, comparison of modal anal. and equiv. cct. representation of E-plane arm 2—26061
microstrip dipole arrays, active input impedances and radiating currents, formulation of design procedure 2—2214
microstrip dipole arrays including mutual coupling, design, self/mutual impedance of elements, backscatt. relation 2—2215
phased arrays, electronic scanning techniques, radar and satcom appls., future prospects 2—26065
planar slot-array antenna 2—6375
radar imaging of ground-based targets, distorted-aperture array, X-band, radio camera algorithm and expts. 2—2824
reactance-loaded waveguide antenna arrays, H-plane arrays with sub-reflectors 2—15792
rectangular horn arrays with oversized aperture elements, 14 Ghz, blind spots 2—10591
RPV antennas, review and developments 2—7408
satellite microwave solar power system, antenna optimisation and cost consideration 2—18528
solar power satellite antenna arrays, performance meas. aspects 2—27826
solar power satellite transmitting antenna, radiation patterns 2—27829
solar power satellites supplying power to Western Europe, antenna technology aspects 2—27828
thinned cylindrical antenna array appl. in microwave-induced hyperthermia in cancer treatment 2—27202
waveguide squintless feed array, theoretical analysis 2—26018

microwave antennas
see also lens antennas; waveguide antennas
30/20 GHz band high-efficiency small earth-station antenna with elliptical beam 2—11065
Chinese University of Hong Kong microwave and antenna research 2—21249
circular disk resonators on ferrite substrate 2—24660
Communication Satellite-2 (CS-2) on-board communication equipment, engineering models, design and characts. 2—22643
communications antenna technology developments 2—21216
crossed dipole antenna arrays, influence of lattice geometry on EM wave transmission 2—21203
directive polymer rectangular antennas for X-band high gain work 2—2211
Earth surface curvature influence on EM wave propagation 2—15687
electronic warfare antenna systems, past and present, review 2—26033
feedhorn design for microwave antennas at 1.3 GHz, 2.3 GHz, amateur appl. 2—26069
FM-CW radar, phase modulation by driving microwave antenna *(Japanese)* 2—16501
helix antenna with dielec. core, polarization props. 2—26056
horn image-guide leaky-wave antenna 2—26038
impedance characteristics of polymer circular and rectangular antennas operated in X-band 2—21225
Jerusalem cross microwave antennas, improved empirical model 2—21202

microwave antennas continued
metal plate refractors, new method of construction 2—15782
microstrip antennas, theory and design, book 2—6367
microwave '81, conf., Amsterdam, Netherlands (Sept. 1981) 2—23888
millimeter wave beam steering by motion of Cassegrain antenna subreflector, 94 GHz 2—2206
multibeam spacecraft antenna technology, offset fed paraboloid design, theory and expts. 2—26052
multifixed-beam satellite antenna with full area coverage and a rain-tolerant polarization distribution, cluster feeds appl. to offset Cassegrain 2—10572
multiple feed antenna, covering L, S and C band segments 2—26042
mutual coupling in rotationally symmetric arrays of circular apertures on conducting spherical surfaces, unit cell analysis 2—2223
offset parabolic antenna for 11 GHz band 2—21226
offset reflector antenna operating in four-frequency bands 2—10587
parabolic antennas as components of communication transmission systems *(German)* 2—26045
parameter measurements in MM freq. band, using microwave wide aperture standard noise sources 2—26035
printed circuit dipole antenna theory, for millimetre waves 2—26058
radiation loss from microstrip antenna feed transitions, estimation 2—21207
reflector antennas, surface-curvature-induced microwave shadows 2—21195
resonant thin-wire antenna, thermal response of human in near zone 2—26039
satellite Earth station microwave antennas, measurement and optimisation using microcomputers 2—15790
satellite microwave solar power transmission and reception system 2—18527
sealed strip line feeder, used for space shuttle 2—26068
SHF antenna types parabola, cassegrain, horn reflector, offset and Gregorian *(Japanese)* 2—21228
short backfire antenna for Doppler sensing 2—26043
solar power satellites, effect of ice on off-shore microwave receiving antenna elements 2—10599
superconducting Vivaldi antenna/fin-line cct. for supercond.-insulator-supercond. mixers 2—21235
tapered backfire helical antenna with loaded termination 2—26037
target identification radars, cross-section and antenna pattern meas., 100 MHz to 100 GHz 2—21865
trislot-cavity microstrip antenna 2—6373
UHF receiver protection from spurious transmitter output using band-pass duplexer, multicoupling 2—10960

microwave circulators *see circulators (microwave)*

microwave detectors
broadband coaxial impedance transforming Schottky diode mount for video detector 2—26836
EHF devices using Josephson superconductive contacts, 8-mm range *(Bulgarian)* 2—1606
fin-line detectors, modulators, and switches, CAD 2—24449
Hall detectors, volt-watt sensitivity, theoretical expression determination 2—22282
IMPATT diode in amplification mode, appls. 2—19883
Josephson heterodyne sub MM wave detector at high thermal background levels 2—24702
MM wave detector and mixer technology 2—24462
MM-wave dielectric image line detector-circuit employing etched slot structure 2—939
movement detector, based on Doppler radar principle *(German)* 2—22269
power sensor, high-speed, using hot carriers in semiconductor 2—16977
Rydberg atoms, MM and sub-MM waves interaction 2—22284
Schottky-barrier diode, in rectangular waveguide, theoretical treatment 2—22283
sub-MM heterodyne astronomy from Mauna Kea 2—21888
superconductor-insulator-superconductor mixers, negative resist. and conversion gain 2—20592
thermoluminescent phosphors, use as microwave radiation dosimeters 2—22490
GaAs Schottky detectors in sub-MM wave region, characterisation 2—19888
Ge MM-wave detector using hot carriers, performance 2—19887
Ge:Ga, far IR and sub-MM detector, spectral response from blackbody meas. 2—11487
InSb optical consts. meas. at 4.2K and 1.5K in spectral region below 40 cm^{-1} 2—22417
Pb/In-oxide-Pb(Bi) quasiparticle tunnel junctions for MM-wave detection 2—20602

microwave devices
see also acoustic microwave devices; circulators (microwave); Gunn devices; masers; microwave parametric devices; solid-state microwave devices; waveguides
dielectric resonator on dielec. substrate, reson. freq. stability 2—5337
down conversion at a Josephson contact for large intermediate frequencies 2—780
helicopter collision warning device, using microwave radar 2—27252
IR and MM waves, conf., Miami Beach, FL, USA (Dec. 1981) 2—23889
measurement techniques, on microwave systems 2—11601
microwave magnetometer, fluctuations as basis for quantum transformer of magnetic flux *(Russian)* 2—27264
microwave radio pulses, active correction of leading edge *(Russian)* 2—24436
MM region, optical tests of quasi-optical components 2—25561
planar antenna-coupled supercond.-insulator-supercond. devices for detect. and mixing above 100 GHz 2—20600
polarisation phase-rotators, phys. principles of operation *(Russian)* 2—24668
power limiter for microwave oscillators, design and expt. investigation *(Russian)* 2—24436
remote control microwave attenuator with pulsed variable damping *(Russian)* 2—24667
supercond.-insulator-supercond. junction array mixers, conversion efficiency and noise meas. 2—20601
T-section networks, used for VSWR bandwidth control 2—5058
wide aperture standard noise sources for antenna parameter measurements in MM freq. band 2—26035
Sn-SnO_2-Sn junction, quasiparticle harmonic mixing 2—20599

microwave filters
adaptive filters as signal processors at microwave freqs., operational charcts., appls. 2—14201
asymmetric filter design for satellite communication applications 2—26489
asymmetric synthesis, attenuation pole placement on one side of passband, waveguide filter appls. 2—24671
band-pass resonator filter config. with inhomogeneous dielectric loading 2—24683
CAD using HP-41C programmable calculator 2—5272
cascaded transmission line, used in pseudobandpass filter 2—821
circular disk resonators on ferrite substrate 2—24660
conference, London, England (Jan. 1982) 2—23898
dielectric resonators: past, present, and future 2—9216
differential PSK demodulators, low-loss delay filter 2—14288
directional filter using microstrip lines coupled by dielec. resonators 2—24674
dual mode filter design, initial synthesis, realisation, test results 2—24689
far IR wide band-pass filters using optical resonance in metallic meshes 2—20713
fin-line filters, low-insertion loss, design 2—24700
frequency-dispersive SAW filters, used for radar pulse compression *(German)* 2—20478
harmonic filter design using strip line techniques 2—14289
high-Q fin-line filters, 15 and 34 GHz, material and circuit eval. 2—5336
least-squares magnitude filters with self-equalised delay characteristic 2—9136
local distribution radio link equipment, MIC techniques, narrowband filters and Gunn oscillators 2—26423
meander-line filters for multiplexing systems, PIN diode appls. 2—917
meander-line filters incorporating p-i-n diodes 2—24723
microwave '81, conf., Amsterdam, Netherlands (Sept. 1981) 2—23888
narrowband filters for 29 GHz communication links E-plane IC techniques 2—24724
narrowband microwave filters, printed cct. realisation 2—24584
odd-degree pseudoelliptical phase-equalized waveguide filter, asymmetric band-pass behaviour 2—24672
parallel-coupled-line filters for inverted-microstrip and suspended substrate MICs 2—24707
passive microwave filters with dissipative loss, general synthesis 2—19854
periodic branching filter for MIC's, appl. of rectangular dielectric waveguides 2—925
printed circuit filters, coupled line, 10%-100% bandwidth coverage 2—24583
rectangular dielectric resonator design, for high- filtering functions in microstrip circuits using TI-59 calculator 2—5343
SAW, for mobile radio systems 2—16396
slot coupled rectangular bar geometry and filter appls. 2—24684
stepped coupled lines bandpass filter, tunable 2—9211
strip line bandpass filter with nonuniform-coupled transmission lines 2—24651
strip-line linear-phase filter using capacitively-coupled resonator chains, planar PC appl. 2—24673
symmetric multi-element coupled-transmission-line high-pass filters, synthesis and tables 2—24649
varactor diode tuned filter, graphical design 2—5286
waveguide, dielec. filled, quasiperiodic medium, EM filtering 2—21187
waveguide delay element for direct differentially coherent four-phase PSK demodulation 2—24461
YIG tunable microwave filters, coupled spin wave technique 2—24679

microwave generation
see also microwave oscillators; relativistic electron beam tubes
coherent radiation from relativistic electron beam in longitudinal periodic mag. field 2—10426
cyclotron harmonic wave instability on costreaming electron beams 2—7269
dielectric ring resonator with high Q-factor 2—9218
diffraction radiation generator with refl. beam, stationary modes 2—1115
electronic intelligence receivers, microwave freq. sources, low-noise types, PLL appls. 2—16500
high quality UHF source, 360-440 MHz, 100 mW min. from 12 V supply, Butler crystal oscillator 2—24435
high-current relativistic electron beams, interaction with plasma, microwave appls. 2—9364
intense relativistic electron beam 2—24868
IR and MM waves, conf., Miami Beach, FL, USA (Dec. 1981) 2—23889
MM wave emission, from intense relativistic electron beams in uniform and rippled magnetic fields 2—14580
MM-wave solid-state power generation, amplification and combining, appls. 2—5358
multiple beam electrostatic quadrupole focused linac appl. 2—11686
near MM-wave coherent radiation, ideas for efficient generation 2—20782
proton storage ring appl. as ultrahigh-power pulsed microwave source 2—3314
relativistic electron beam in corrugated waveguide, Cherenkov radiation 2—1116
signal generators with low phase noise, design principles and test methods *(German)* 2—3172
solid-state microwave signal generators, energy characteristics 2—952
submillimetre difference freq. generation, tunable phase-matching 2—10350
superconducting thin-film microbridge, small-signal microwave impedance meas. 2—1616
GaAs photoconductive switch, laser-driven, picosecond microwave pulse generation 2—1796

microwave heaters *see radiofrequency heating*

microwave heating *see radiofrequency heating*

microwave holography
reflector antenna diagnostics, recent advances 2—15784

microwave integrated circuits
see also hybrid integrated circuits
3 dB fin line printed probe coupler for 31 GHz 2—19844
3dB Lange coupler design, fabrication 2—5341
12 GHz receiver with a self-oscillating dual gate MESFET mixer 2—19866
26-GHz band integrated circuit of a double-balanced mixer and circulators 2—19870
30/20 GHz satellite-switched TDMA microwave switch matrix design 2—2754
asymmetrical fin-line junctions for MICs, spurious resonances 2—9209

microwave integrated circuits continued
balanced mixer, 94 GHz, fabrication using fin line circuitry and beam-lead Schottky diodes 2—19869
balanced mixers in dielc. image guide, 94 GHz radar appls. 2—6858
broadband bipolar voltage controlled oscillator, using hyperabrupt varactor devices 2—13999
CAD basis for frequency-dependent characterization of strip, slot and co-planar components 2—24717
circular microstrip disc, determination of capacitance by Noble's variational method, MIC appls. 2—14286
circular microstrip disc capacitance calc., appls. in MIC 2—14287
circulators, fabrication using thick film ferrimagnetic pastes 2—937
computer assisted design of microstrip ccts. *(German)* 2—5362
covered microstrip, CAD, impedance and effective dielec. constant, empirical formulae 2—24716
CW 40 GHz IMPATT diodes, chip level combining 2—24698
fin-line detectors, modulators, and switches, CAD 2—24449
fin-line ferrite isolator for integrated MM-wave ccts. 2—24659
fin-line filters, low-insertion loss, design 2—24700
fin-line receiver front-end, Ka-band, radar or radiometer noise reference appls. 2—24709
GaAs monolithic ICs, review *(Czech)* 2—15017
Gunn oscillator, self-mixing, low-cost, high-burnout, description 2—24456
Gunn oscillators in dielc. image guide, 94 GHz radar appls. 2—6858
high-Q fin-line filters, 15 and 34 GHz, material and circuit eval. 2—5336
hybrid microwave thin film circuits, Ti-Pt-Au metallisation bondability problems 2—24845
isolators and differential phase shifters for near-MM wave range 2—24658
Ka-band mixer config., low cost, industrial appls. 2—24710
local distribution radio link equipment, MIC techniques, narrowband filters and Gunn oscillators 2—26423
MESFETS, optoelectronic control using laser beams 2—5361
microstrip discontinuities, equiv. ccts. for MIC design *(Polish)* 2—2174
microstrip medium for microwave and digital ccts., CAD techniques, book 2—23873
mixer, high perform. for HF radio receiver front end 2—14034
monolithic, T/R module architecture for advanced fire control radar systems 2—21869
monolithic linear amplifier design and fabrication techniques 2—943
multistage MIC power amplifier, 800 MHz band, adjustment free 2—24416
n-port networks, scattering parameters determ. by resonance and nonresonance techniques 2—22372
narrowband filters for 29 GHz communication links E-plane IC techniques 2—24724
nonradiative dielectric waveguide for MM-wave ICs 2—9204
open dielectric waveguides for integrated optics and MM-wave ICs, guidance and leakage props. 2—907
open dielectric waveguides for integrated optics and MM-wave ICs, guidance and leakage props. 2—908
oscillator, CAD *(Czech)* 2—14540
parallel-coupled-line filters for inverted-microstrip and suspended substrate MICs 2—24707
periodic branching filter for MIC's, appl. of rectangular dielectric waveguides 2—925
planar integrated MM-wave components, survey 2—19875
planar MIC technology, design and meas. techniques, problems *(German)* 2—947
planar microwave circuits with impedance matrix, computer anal. 2—19886
quasiplanar 3 dB hybrid fin line coupler for MM wave ICs 2—24653
satellite-switched TDMA microwave switch matrix integration and testing 2—2755
spiral microwave directional coupler for MIC appls. *(Japanese)* 2—9215
suspended broadside-coupled slot line with overlay for MIC components 2—19838
thick-film, low-loss strip resonators in L- and X-band, Du Pont/USA/Cu composition appl. 2—19997
thin film metallisation processes on ceramic substrates for MIC appls. 2—5493
thin-film, with Al_2O_3 substrate, in TO-8 housing *(German)* 2—14302
Au selective electroplating, elimination of photoresist degradation, beam-lead devices 2—9228
GaAS monolithic microwave ICs, cross-tie slow-wave coplanar waveguide 2—19834
GaAs FET, hybrid and monolithic broadband low-noise-and-power amplifiers using feedback techniques 2—5350
GaAs FET appls. in microwave integrated systems 2—24719
GaAs FET power amps meas. techniques 2—5357
GaAs FET receiver for 12 GHz satellite TV broadcasts 2—21951
GaAs IC compatible SAW devices 2—25412
GaAs large diameter bulk crystals for microwave device technology 2—9444
GaAs MESFET microwave mixers, theory and appls. 2—19863
GaAs MIC receivers for communications and surveillance 2—6742
GaAs, monolithic, for broadband appls. *(German)* 2—949
GaAs monolithic FET ICs, used for high-gain X/Ku-band amplifiers 2—5356
GaAs monolithic ICs for communication engineering *(Czech)* 2—9231
GaAs monolithic low noise X-band amplifier 2—24418
GaAs monolithic microwave power FET amplifiers 2—944
InP, microwave MISFET technology 2—1396
Si MM-wave IMPATT sources and combiners for 110 to 260 GHz range 2—24699

microwave isolators
fin-line ferrite isolator for integrated MM-wave ccts. 2—24659
MM and near-MM component design employing magnetoplasmons 2—922
MM-wave distributed nonreciprocal structures, coupled-mode theory 2—5339
MM-wave nonreciprocal semiconductor devices employing the magnetoplasma reflection minimum effect 2—934
near-MM wave range, performance predictions 2—24658
performance results, based on magnetoplasmons on GaAs substrates 2—24688
three-port synchronisable Model 289 2—19843

microwave limiters
broadband coaxial diode limiter, cut-off freq. 2—24655

microwave limiters continued
protection devices, limiting power, relation to recovery time 2—19879
YIG rod and sphere ferrite limiter, coupled dielec. resonator bandpass struct. 2—24680

microwave links
2 GHz DS-3 digital radio, technical considerations 2—10957
2 GHz DS-3 digital radio design for analogue route overbuilding 2—2685
4 GHz TD radio link, 20 Mb/s FSK digital transmission expt. 2—6765
6.4 to 7.1 GHz band 16 QAM modem design and performance 2—2682
6 GHz 16 QAM digital radio performance with adjacent channel interference 2—2684
6 GHz band 30 MHz channel digital radio system design and performance 2—2666
6 GHz band SSB suppressed-carrier AM radio system with minicomputer based transmission surveillance 2—2683
6-GHz radio signals, multipath fading, path length dependence, expt. study 2—6334
6-GHz SSB-AM radio system equipment design and performance *(Japanese)* 2—26405
10 GHz, SSB generation and use 2—16376
11 GHz rearward link from satellite ground stations to switching centres, India 2—21790
16 QAM carrier recovery circuit for digital microwave radio *(Japanese)* 2—19598
23 GHz series, for security, safety, manufacturing and high speed data communication 2—16378
90 Mb/s 16 QAM digital radio repeater design 2—6766
94 GHz, reflectivity of materials 2—26522
AR6A SSB microwave radio system 2—16370
attenuation by rain rel. to star network design *(Hungarian)* 2—10475
Black Mt. Telecom. Tower, Canberra, design and construction 2—26420
Black Mt. Telecom. Tower, Canberra, project development and building facilities 2—26419
Black Mt. Telecom. Tower, Canberra, radio functions and specification 2—26418
closed circuit microwave links, 23 GHz 2—26298
computer animated predictive displays for microwave landing approaches 2—12017
cross polarization during clear air conditions, review 2—10488
cross-polarized digital microwave transmission, depolarization equalizer based on adaptive linear equalization 2—2689
crosspolarisation measurement, 11 GHz link 2—15713
digital, telephony appl. 2—10967
digital, transmission performances monitoring in a multihop digital microwave system 2—6767
digital, with PSK modulation, equipment considerations for modern systems 2—16335
digital 16-QAM microwave radio, transversal adaptive equalizer to alleviate waveform distortion due to multipath fading 2—2688
digital 16-QAM microwave radio system with new countermeasure techniques for multipath fading 2—2687
digital 5 GHz, 200 Mb/s 16 QAM modem *(Japanese)* 2—21677
digital communication systems, microwave appls. book 2—6747
digital long-haul, drop and insert multiplexers for 1 to 96 channel removal/addition 2—10966
digital microwave radio, 90 Mbit/s systems, extended range adaptive equalizer design 2—2675
digital microwave radio, 91 Mbit/s systems, cofreq. cross-polarized operation during multipath fading 2—2676
digital microwave radio distribution systems in France, 1.5-GHz TDMA system and 31-GHz point-to-point link for remote telephone subscribers 2—2691
digital microwave radio in 4, 6 and 11 GHz common carrier bands, multipath propag. effects 2—2677
digital microwave radio links, evaluation of impairment due to multipath fading, statistical 2—6759
digital microwave radio links, overview 2—16369
digital microwave radio systems, design for reliability 2—26397
digital microwave radio using 16-QAM techniques 2—2247
digital radio links, statistical model for evaluation of impairments due to multipack fading 2—25938
digital radio relay systems in 4, 6 and 11 GHz common carrier bands, multipath propag. effects 2—2678
digital radio system, automatic transversal equaliser 2—21743
digital radio-relay systems for metropolitan areas operating at 19 GHz 2—26399
digital rural telephony system, IRT 1500, telephone concentrator, facilities using TDMA techniques 2—6763
diversity effects of propagation characteristics during multipath fading in microwave links *(Japanese)* 2—21733
downlink transmitter latching ferrite switch, 19-GHz, high power handling, low loss 2—26483
Earth surface curvature influence on EM wave propagation 2—15687
ENG, European and US approach, differences 2—26635
'EXE' microwave transceiver. III, construction details for IF section 2—6780
fading investigations on two hops with different length and with optical range at 7.5 GHz/ *(German)* 2—2153
FHM 914 microwave relay system for telephone/telegraph services 0.79 GHz to 0.96 GHz, digital multiplex equipment 2—6761
FM links, baseband equalizer for intermodulation noise reduction 2—16350
ground scattering estimation 2—2137
Heli-tele, TV transmission using helicopters fitted with microwave equipment 2—21965
high-capacity digital radio relay system, 140 Mb/s, 11 GHz band, QPRS modulation 2—26426
intersatellite link system, wideband FM modem using GaAs FET limiting amplifier followed by discriminator, devel- opment 2—6817
Ku-band satellite communication system organisation in moderately industrialised countries 2—21805
line-of-sight digital microwave propag., two-tone amplitude dispersion, distance var. 2—6768
line-of-sight path propag. multipath fading and ducts 2—6336
line-of-sight propag., fading due to effect of meteorological mechanisms 2—6335
local distribution in a digital communications network for business organizations, microwave radio and fibre-optic systems 2—2462
local distribution radio link equipment, MIC techniques, narrowband filters and Gunn oscillators 2—26423

microwave links continued
long-haul 6 GHz SSB AM radio system *(Japanese)* 2—26404
low-noise digital radio receiver with AGC of single-gate GaAs FET 2—2667
low-noise microwave receivers, radio link appls., FET preamplifier design, 2-11 GHz 2—26424
metropolitan area digital radio-relay systems for interconnection of telephone exchanges 2—2693
microwave '81, conf., Amsterdam, Netherlands (Sept. 1981) 2—23888
microwave telecommunication links, influence of tropical rain 2—25962
millimetre wave receiver design, future trends 2—16392
MM-wave terrestrial/satellite communications, atmospheric attenuation, signal loss, optimum carrier freqs. 2—6333
mobile radio systems on 23 GHz 2—2721
monitor and control of digital transmission system 2—6527
Mt. Wilson cable replacement with microwave system 2—26422
multi-satellite communication system, intersatellite links, technology and development 2—6816
multipath delay characteristics for digital microwave links *(Japanese)* 2—21089
multipath distortion causes, effects 2—10963
multipath fading on microwave links, inband amplitude dispersion charcts. *(Japanese)* 2—25940
narrowband filters for 29 GHz communication links E-plane IC techniques 2—24724
oil industry communication systems, cable and microwave transmission networks 2—6550
pole line system replacement by Happy Valley Telephone Corp., California, USA 2—16372
PW Exe microwave transceiver, IF alignment 2—16393
radio relay system, low power 2—2717
Radio Subscriber Loop System, business information signal transmission in 26-GHz band using TDMA 2—2690
radio-relay systems, analogue FDM/FM and digital FSK transmission, outage and compatibility 2—26395
radiotelephone, develop., review 2—16365
radiotelephony, digital microwave links in local distrib. networks, freq. bands, line-of-sight constraints 2—6760
radiotelephony, MM-wave subscriber links, attenuation aspects, freq. allocation, equipment 2—6762
rain attenuation meas. over New Delhi with radiometer at 11 GHz 2—10476
rainfall attenuation, prediction 2—10491
range-height-angle charts with lookdown capability 2—25927
relay systems carrying analogue and digital channels, outage probability determ. 2—26403
Rochester Telephone Corp. link across River Hudson 2—16371
rural microwave radio links in USA 2—16373
satellite communications in L-band, Antarctic regions, propagation effects, mag. field and atmos. data var. 2—26482
satellite K-band communication systems, 20/30 GHz, microwave hardware requirements 2—26481
satellite link rain- attenuation in range 10-100 GHz, Microsoft BASIC program Apple II-Plus computer 2—16416
satellite solar power stations, microwave power transmission, problems, solutions, and research necessary 2—18091
satellite solar power stations, microwave power transmission mechanical problems and nonlinear effects 2—18092
satellite TDRSS system, KU-band receiver design, function and testing *(French)* 2—11021
short MM-radiowave attenuation in rain expt. and theoretical results for 7.7 km link 2—2149
site surveying in post-planning phase, repeater stations, propag. paths, TV/telephony appls. 2—16351
SSB-AM 6 GHz radio system using TWT amps. *(Japanese)* 2—24872
Sydney-Canberra-Melbourne trunk route, historical review 2—26219
telephony narrow-band directional links, using FM *(German)* 2—16353
TM308/313, portable TV microwave link 2—26390
tropospherically-conditioned availability, prediction *(German)* 2—26421
TV broadcast links operating at 2.15 GHz 2—16549
TV service networks, NTT AO-3-A video switching equiment 2—2932
UHF receiver protection using bandpass duplexers, multicoupling, common antenna, closely spaced antennas appl. 2—10960
Valero Energy Corp. private telephone network for gas distrib. industry 2—6549

microwave measurement
see also microwave reflectometry
accuracy enhancement via distributed microprocessing 2—3264
airborne microwave measurements of western USA urban areas RF environment determ. 2—26004
APC3.5 connectors, improvement on SMA connectors for microwave meas. 2—19928
automatic measuring instruments for microwave and radio frequency equipment *(German)* 2—26749
automatic millimeter noise meas. 2—17123
automatic sensor for measuring obstacles in below-cutoff waveguides 2—11603
bridge method for meas. complex permittivity of liquids 2—17096
broadband instantaneous microwave freq. meas., discriminator technique, low-cost appl. 2—26949
comparison of a general non-linear two-port enhancement model with a fourteen term non-linear model 2—26699
complex permittivity meas. of lossy materials using cylindrical TM_{010} cavity perturbation techniques, precise calcs. and meas. 2—7187
complex permittivity of soil and water mixtures, using evanescent waveguide technique at 9 GHz 2—26938
composite hole conditions on complex permittivity measurements using microwave cavity perturbation techniques 2—22356
computerised system charcts. 2—22379
conference, Ottawa, Canada (Sept. 1981) 2—11367
diagnostic meas. on microwave systems 2—11601
dielectric constant, in coaxial channels, accuracy improvement 2—17101
dielectrics, loss tangent, permittivity, measurable values for waveguide microwave methods 2—25367
diffraction by dielectric wedge meas. at 9 GHz 2—11572
disperse materials, complex permittivity determ. in microwave range 2—17103
Doppler radar for meas. of velocity and distance of traction vehicles 2—16502

microwave measurement continued
eigenfrequency splitting by gyrotropic sample in spherical microwave resonator 2−3263
electroacoustic conversion efficiency and attenuation of elastic waves, errors by echo method 2−17596
electron density and plasma current distrib. meas. in Tokamak plasma using sub-MM waves 2−22376
ferrite, polycryst., microwave tensor susceptibility and effective linewidth meas. with rotating DC mag. field 2−11594
ferrites, loss tangent, permittivity, measurable values for waveguide microwave methods 2−25367
field distrib. probing, amplitude, phase and polarisation and real time 2−11599
field distribution and radiation field of finite axial slots on circular waveguides 2−2193
flight testing, microwave system for real-time position meas. 2−17132
frequency counter range expansion up to 1 GHz using single-chip fixed-rate divider *(Italian)* 2−11511
interferometer for dielectric slabs effective thickness meas. 2−17095
interferometer for small displacement meas., in electromagnetically semi-transparent medium 2−11626
K-band analysers, for FET measurement 2−22373
local dielec. const. meas. for thin slab-like materials, microwave freqs., open coaxial-line resonator appl. 2−26942
low loss 2-port networks, accuracy enhancement program used for HP8409A semi-automatic network analyser 2−3265
measurement accuracy, using computer-supported analytical approx. method *(German)* 2−17112
microprocessor driven microwave tester, using Model 7000A, Series 7100 2−3052
microstrip attenuation and open-circuit termination loss, simultaneous meas. 2−26946
microstrip ICs, computer aided design and testing *(German)* 2−5362
microwave '81, conf., Amsterdam, Netherlands (Sept. 1981) 2−23888
miniature electric field probe with resistive transmission lines, anal. 2−11564
MM wave frequency measurements using computer, harmonic mixer, LF counter, microwave synthesizer *(German)* 2−16805
MM wave resonance spectrometer, water vapour absorption in atmospheric EHF windows 2−26952
MM-wave radome performance, materials implications 2−22359
MM-wave reflection and transmission meas. of textile materials at normal incidence 2−22378
moisture, fish meal, unground, two-parameter meas. using horn applicator 2−26991
moisture measurement using microwaves *(German)* 2−22450
multiport networks deembedding, generalised method 2−13908
mutual scattering meas. between spheres using microwave open resonator 2−21088
n-port networks, scattering parameters determ. by resonance and nonresonance techniques 2−22372
network analyser, automated, using air-line references 2−11416
noninsertable devices, using air-line non-equal adaptors 2−7201
ocean surface and atmosphere radiometry, inverse problems formulation and solution 2−27284
permittivity measurement using cavity resonators and dielectric rod effect on reson. freq., anal. *(German)* 2−10539
permittivity of thin films, by input impedance method 2−11591
permittivity of thin plate material, using tuned window in microwave range 2−11590
power sensor, high-speed, using hot carriers in semiconductor 2−16977
quantum noise effects at 100 GHz in MOM diodes and Josephson functions, meas. and theory 2−24722
quasi-optical scanning multiport network analyser, for millimetre wavelengths 2−26808
radiation field distribution, using photographs equidensity technique 2−3068
radiometric polarization meas. for solving converse problems 2−3267
radiothermograph, meas. of intrinsic microwave radiation from human body 2−22550
radiowave scatter suppressor, scatter coeff. meas. 2−3266
radome woven materials transmission spectra, for mm wavelength appl. 2−21895
reflection coeff., meas. by quasi-optical meter *(Russian)* 2−26950
reflector antennas, compact microwave meas. approach 2−15789
reflector antennas, microwave metrology, practical aspects 2−15786
remote sounding of atmosphere and ocean, for climate research 2−3585
RF permittivity meas. of biological tissues with open-ended coaxial lines 2−22541
RF permittivity meas. of biological tissues with open-ended coaxial lines 2−22542
RF transmitters, meas. of noise power ratios 2−6743
S-band waveguide technique for the calibration of miniature implantable electric-field probes for use in microwave-bioeffects studies 2−22543
scattering from simulated hailstones in an open resonator 2−3261
scattering meas. in parallel-plate configuration, minicomputer-controlled 2−22371
scattering properties of an antenna using rapid swept-frequency mesurements 2−2197
sea-ice microwave signatures, simultaneous scatterometer and radiometer meas. 2−27282
semiconductor properties, determination using spherical cavities 2−3262
slot line wavelength and dispersion measurements, using slot ring resonator 2−17111
soil moisture estimation, appl. of aircraft active microwave meas. 2−3622
solar power satellite antenna arrays, performance meas. aspects 2−27826
solid-state computer-controlled system for swept-freq. meas. of dielectric props. at microwave frequencies 2−22064
spectral analyser, portable, Tektronix 492 for 50 kHz to 220 GHz 2−16906
spectral analyser Tektronix 492, 50 kHz to 220 GHz 2−16907
superconducting thin-film microbridge, small-signal microwave impedance meas. 2−1616
target identification radars, cross-section and antenna pattern meas., 100 MHz to 100 GHz 2−21865
target signature and propagation characts. meas. 2−22380
thermoelectric microwave watt-meter, component errors, method of multiplicative correction *(Russian)* 2−26889
thermographic measurements in microwave diathermy, anal. of minimally perturbing temp. probe 2−27131
transmission line discontinuities, appl. of time-domain analysis 2−22374
vector techniques, used to increase accuracy 2−7200
water surface, temp. variations in presence of ripples determ. 2−27283
water surface radiation, dielectric property variations influence 2−26948
Ag halides, photocond. meas. using microwave cavity 2−11600
GaAs FET power amps meas. techniques 2−5357

microwave oscillators
see also Gunn oscillators; microwave parametric oscillators; parametric oscillators; tunnel diode oscillators
375-MHz SAW oscillators in UHF Transit satellite links 2−24432
autodyne using IMPATT diodes, load-noise characteristics 2−9233
bipolar-varactor oscillator, broadband, electronically tunable from 3-9.4 GHz 2−24714
broadband bipolar voltage controlled oscillator, using hyperabrupt varactor devices 2−13999
burglar alarm oscillator AEI doppler Module, PW Exe transceiver appl. 2−6745
dielectrically stabilized oscillator, technology, characts. 2−5138
dual-gate MESFET oscillators, X- and Ku-band, freq. stabilization using dielec. resonators 2−24713
FET oscillators using dielec. resonators, very high Q-factor 2−24711
FET-YIG tuned oscillator, broadband, electronically tunable from 2-20 GHz 2−24714
FM noise meas. system 2−7202
frequency, stabilisation by subharmonic driving frequency *(Croatian)* 2−24431
frequency stabilisation for GHz range *(German)* 2−9022
gyrotron, 1 MW, 100 GHz CW oscillator, design considerations 2−14573
gyrotron open resonator design, using weakly irregular waveguide theory 2−14575
gyrotron oscillator and amplifiers 2−24878
gyrotron oscillators, efficiency enhancement using profiled mag. fields 2−20027
IMPATT, Si high efficiency MM-wave oscillators fabrication 40-140 GHz 2−14298
IMPATT diode and Gunn diode, analysis of noise characteristics and differences 2−951
IMPATT oscillators, FM noise reduction by laser illumination 2−14299
injection-locked oscillators, phase-lock stability using time-domain approach 2−9224
klystron microwave oscillators, method for stabilizing frequency 2−14002
Ledatron, wideband MM wave oscillator construction 2−9363
LSA microwave oscillators, freq. locking 2−9219
magnetostatic wave devices, delay lines and delay stabilised oscillator 2−15216
MIC oscillator, CAD *(Czech)* 2−14540
MIM point contact diode, visible laser line freq. difference meas. up to 170 GHz 2−11642
MM-wave Extended Interaction Oscillator tube technology, appls. to radar operation at 95 GHz 2−21864
MM-wave microstrip IMPATT diode oscillator for 100 GHz, variable-freq. design 2−19889
MM-wave solid-state power generation, amplification and combining, appls. 2−5358
modulation noise meas. 2−24690
multiple-device oscillators, general noise theory 2−24693
multiple-diode ladder oscillator 2−9026
near-MM wave range, harmonic generation by thin MOS-structures 2−24718
power addition using coupled phase-locked automatic control ccts. 2−19860
power limiter for microwave oscillators, design and expt. investigation *(Russian)* 2−24436
pulsed Si Impatt diode microwave oscillators *(German)* 2−20229
relativistic electron oscillators, intense stream produces highly efficient directed synchrotron radiation 2−20020
semiconductor MM-wave generator with open resonator and exciting system of two bars 2−19885
semiconductor oscillator with open resonator and reflection grating 2−950
shielded dielectric ring- and disc resonators, resonant freqs. and fields *(German)* 2−19845
solid-state, parametric synthesis technique 2−19881
solid-state gyrotron oscillator for MM and sub-MM wavelengths, nonlinear anal. 2−19893
submillimetre-wave carcinotrons, improvements in size, weight and reliability 2−20037
time-domain large-signal noise modelling in microwave oscillators 2−24721
ultrarelativistic backward-wave tube with anomalous Doppler effect, transient nonlinear theory 2−20028
varactors tuned, based on thin film technology in TO-8 housing *(German)* 2−14302
voltage tuned cavity oscillators, design principles 2−5342
waveguide cavity FET oscillator 2−14301
YIG tuned microwave transistor oscillators, design *(German)* 2−5140
GaAs dual gate MESFET appls., freq. stabilised oscillator for 10 to 18 GHz range 2−19865
GaAs FET appls. in microwave integrated systems 2−24719
GaAs FET in microwave TV link, movable transposer *(Japanese)* 2−21928
GaAs FET oscillator, X-band, low noise design rel. to active device, overall FM noise 2−24712
GaAs IC compatible SAW devices 2−25412
GaAs MESFET microwave oscillators, common-source and common-drain mode, photoeffects 2−5365
GaAs MESFET X-band oscillator, optically frequency modulated 2−14300
GaAs-FET oscillators 2−9229

microwave parametric amplifiers
Josephson tunnel junction amplifier low noise self-pumped, parametric amplification props. 2−5348
regenerative reflex parametric amps., stabilization of gain by thermal compensation 2−19862

microwave parametric devices
see also microwave parametric amplifiers; microwave parametric oscillators
subharmonically pumped mixing with gain using superconductor-insulator-superconductor junctions, theory 2−1604

microwave parametric oscillators
transistorized 3-cm wave parametric oscillator 2−19861

microwave reflectometry
see also swept-frequency reflectometry; time-domain reflectometry
linear two-port network scattering parameter and noise parameter meas., computerised network analyzer appl. 2−26807
MM wave reflection coefficient meas. by using T-junction 2−11602
multiport reflectometer for determ. of complex refl. coeffs., fixed probes, adjustable attenuator 2−26951
N-port microwave junction automatic meas., using six-port technique 2−11604
permittivity of liquid materials meas., in waveguide T-junction 2−11589
sea surface reflection of microwave signals, artificial antennas synthesis 2−3624
six-port reflectometer, characterisation by calibration procedures 2−26947
Si polycrystalline wafer, bulk resistivity determ. by meas. of microwave reflectance modulation and wafer thickness 2−22352

microwave region *see microwaves*

microwave spectra
see also molecular rotation; molecular vibration; radiofrequency and microwave spectra of polyatomic inorganic molecules
Rydberg atoms, MM and sub-MM waves interaction 2−22284
UK MM wavelength telescope facility, potential random materials transmission spectra 2−21895

microwave spectrometers
see also magnetic resonance spectrometers
MM wave resonance spectrometer, water vapour absorption in atmospheric EHF windows 2−26952
sub-mm heterodyne spectrometer, 300-500 GHz, development, radioastronomical appls. 2−21889

microwave spectroscopy
see also magnetic resonance spectroscopy; microwave spectrometers; paramagnetic resonance
IR and MM waves, conf., Miami Beach, FL, USA (Dec. 1981) 2−23889
MM-wave spectroscopy, untuned cavities, appls., dielec. meas. 2−22377
Rydberg atoms, MM and sub-MM waves interaction 2−22284

microwave tubes
see also electron bombarded semiconductor devices; electron-wave tubes; relativistic electron beam tubes
35 GHz gyrotron employing solid electron beam, space charge effects 2−20024
140 GHz gyrotron, high power 2−20022
coaxial orotron, optimisation problem 2−14583
crossed field diode current fluctuations, self consistent theory 2−24864
diffraction radiation generator with refl. beam, stationary modes 2−1115
diode, microwave amplification by virtue of the space-time similarity/ of the electric-field and emission-current distributions 2−1118
four pole electron tube for radio and TV transmitters *(Japanese)* 2−20016
gyrocon, superconducting for high gain and efficiency 2−5508
gyroklystron, two cavity, theoretical analysis 2−14577
gyromonotron, genral operational charcts. 2−20025
gyromonotron, second-harmonic, 1 mm 2−20023
gyromonotron, TE_{02} mode, operating at second harmonic of cyclotron frequency 2−14576
gyromonotron parameters, numerical calculation using orbital theory 2−14581
gyrotron, 1 MW, 100 GHz CW oscillator, design considerations 2−14573
gyrotron, high power, design theory, space charge effects 2−14570
gyrotron, linear, interaction with electron beam of distributed pitch angle 2−14571
gyrotron amplifier in waveguide with inner dielectric rod, theory 2−14578
gyrotron mode interaction, theory 2−14574
gyrotron open resonator design, using weakly irregular waveguide theory 2−14575
gyrotrons, 200 kW, 3.5 mm wavelength, experimental study 2−14568
gyrotrons, hollow beam electron gun design and testing 2−14561
gyrotrons, improved computer modelling of magnetron injection guns 2−14572
gyrotrons, theoretical work review 2−14569
Ledatron, wideband MM wave oscillator construction 2−9363
metal-ceramic high power electronic tubes, development and manufacture *(Hungarian)* 2−9360
MM-wave Extended Interaction Oscillator tube technology, appls. to radar operation at 95 GHz 2−21864
MM-wave radiation amplification using glow-discharge tube 2−24896
rectifiers, nonlinear load operation, output voltage ripple variation 2−20021
relativistic gyrotrons and cyclotron autoresonance masers, theoretical discussion 2−14579

microwaves
axial co-planar slot and co-axial slot couples *(Russian)* 2−26024
computerised tomography, microwave, transmission and reflection for medical investigations *(Swedish)* 2−27128
lens line, submillimetre-band, field struct., expt. study 2−21012
plasma of high-density and magnetised, calc. of propagation 2−10501
propagation, radar backscattering theory 2−11107
radar, imaging and target identification, physical optics inverse scatt. Radon projection 2−11108

Mie theory *see electromagnetic wave scattering*

military administrative data processing *see military computing*

military ADP *see military computing*

military computing
see also command and control systems; logistics data processing
ballistic missile defence, multicomputer systems, logic upset circumvention 2−25975
battlefield electronics, functions and applications *(Finnish)* 2−26523
digital image processing for detection of military vehicles 2−26161
Jaguar V frequency hopping radio, battlefield model 2−16399
magnetic bubble memories, technology and appls. 2−15232
map display design, using LSI11/03 computer 2−22171
NAVAIR EM environmental effects and control system 2−21151
PASM 4×4 switching nodes performance and implementation 2−2542
radar target signature identification, appl. of EM scatt. technology and computation techniques 2−26534
RF target simulation system 2−17468
secure data communication systems 2−15828

military equipment
see also aircraft; military systems; ships
air defence, tactical operations control systems 2−11114
Air Systems EMI Corrective Action Program, ASEMICAP, naval aircraft appl. 2−25995

military equipment continued
aircraft, MIL-STD-1553 bus controller and multiplex remote terminal 2−7397
aircraft equipment EMC certification, critical systems safety determ. 2−17497
aircraft laser warning 2−7376
aircraft optical data bus receiver 2−7398
aircraft threat-alert and collision avoidance system 2−22641
antijam communication systems created for the signals corps. 2−6505
antisubmarine warfare equipment development, oceanographic parameters 2−6859
ATE appl. in field environment, using mobile shelter facility 2−22136
automatic testing, FACT II ATE system, 1967-80 development 2−26715
avionics fibre-optic built-in test development 2−7396
battlefield electronics, functions and applications *(Finnish)* 2−26523
battlefield sensor, artillery delivery, gun-hardened module design, electronic packaging 2−22231
blue-green lasers for naval C^3 appls. 2−2071
cipher system by AEG-Telefunken for data communication 2−2555
composite material aircraft EM design and synthesis, lightning and NEMP coupling 2−27250
CONTACT RL400, radio relay equipment for military use 2−26402
cruise missile system, fibre optic data link development 2−21817
ECM equipment perf. evaluation using EW evaluation program (EWEP), airborne military systems appl. 2−3553
electric connectors, industrial appls. 2−1004
electronic countermeasure systems, logarithmic amplifier, semi-custom IC 2−26532
electronic intelligence receivers, microwave freq. sources, low-noise types, PLL appls. 2−16500
electronic warfare antenna systems, past and present, review 2−26033
electronic warfare training using radar EM interference environment, simulators 2−26531
fiber optics in nuclear environment, component vulnerability 2−25481
fibre optic interconnection standards, for MX missile program systems 2−21816
fibre optics US army base communications applications 2−26493
ground mobile forces tactical satellite terminals 2−16435
HF packset receiver-transmitter using direct conversion 2−16400
high performance aircraft composite materials structure, monopole antenna radiation pattern analysis 2−3564
high resolution near mm-wave imaging, segmented aperture approach 2−22166
high speed IC developments, comparison SOS, GaAs properties, radiation ha rdness appl. 2−1455
hybrid circuits for military appls., packaging requirements 2−9332
IC improvements in density, speed, and power dissipation, military appls. 2−9680
Jaguar V frequency hopping radio 2−16399
laser device technology, high energy, for military appls., overview 2−6176
laser to sensor automatic boresight for laser designator 2−7381
lightning strike, damage survey, US naval inservice aircraft 2−27251
LSI/VLSI, radiation hardened, test strategy 2−14906
map display design, using LSI11/03 computer 2−22171
mirror track radar antenna time optimal control implementation 2−16503
MM-wave airborne imaging system at 140/220 GHz 2−22165
multilayered PCBs, Integrated Thermal Avionic Design, min. life cycle cost 2−9298
navigation and attack system, of German alpha-Jet aircraft *(French)* 2−12032
NAVSTAR GPS, applications 2−21883
optical fibre strength, military system requirements 2−1717
PD 3000 AC plasma display terminal, military appl. 2−22172
Plessey developments, Si microelectronics impact 2−3555
Ptarmigan electronic teleprinter and facsimile transceiver terminals, appls. 2−21754
PWB conformal coating repair techniques for USAF electronic systems 2−14379
radio receivers, using band compression *(Italian)* 2−21734
reliability challenges and design tradeoffs 2−8247
SAW channelized receivers for electronic warfare, contiguous filter bank 2−16499
SAW multiplexer application in FMCW radar systems 2−2830
SAW technology for freq. sorting receivers 2−1541
Scimitar family of combat net radios 2−21749
semiconductor laser diodes and appls., handbook 2−8142
simulation training with computer graphics 2−7367
spectral analyser, portable, Tektronix 492, packaging design 2−16909
speech processor for FM transmitters 2−6744
surveillance receivers, hybridisation techniques 2−16336
tactical surveillance system, very wise freq. range receiver using microprocessor control 2−16347
telephone network multiplexers using microprocessor control *(German)* 2−16282
testability concepts, measures and enforcement 2−22690
Tornado ADV aircraft, avionic display development 2−22653
transceivers, Jaguar V frequency-hopping radio 2−2707
USAF avionics interface standardisation 2−3559
VHF mobile radio equipment, requirements and development trends 2−2720
VHSIC phase III program in US Army 2−8207
VLSI technology appl. 2−5782
CO_2 high-power military waveguide laser 2−10247
CO_2 laser radar wire detect. systems for NOE helicopter flight, requirements and capabilities 2−2837
HgBr dissociation laser, high-power blue-green lasers for Naval systems 2−6157
XeCl laser Raman freq. downconversion, high-power blue-green lasers for Naval systems 2−6157

military systems
see also military equipment
advanced ground surveillance radar system for battlefield use 2−16510
air to ground weapon aiming accuracy measurement techniques 2−17475
aircraft, Sea Harrier development and design features 2−11980
aircraft ATE interfacing using antenna couplers, TACAIR electronic warfare program 2−22689
aircraft combat survivability, Multiple Environment Generator for EW Evaluation Simulator, radio emitter level 2−27241
aircraft computer control system, West German development of CCV Starfighter 2−3552

military systems continued
aircraft ECM systems testing, in factory and field environments 2−22129
aircraft instrumentation installation, sneak analysis appl. 2−17500
aircraft reliability and maintainability evaluation during initial testing 2−17459
American navy EW and C^3CM 2−2167
ATE appl. to military electronics maintenance, commercial appl. of military experiences 2−26767
ATE appl. to Navy Systems, IEEE standard 488-1978 bus interface conformance testing 2−26759
ATE design for productivity, w.r.t. maintainability and testability 2−22134
ATE for electronic warfare systems, high-speed signal acquisition and processing 2−22128
ATE Joint-Service developments 2−22141
ATE operating in RF range, software-based accuracy enhancement procedure 2−26762
ATE user's problems identification 2−26766
automatic vehicle monitoring, NAVSTAR, global positioning system, police appl. 2−16532
aviation metrology management data acquisition 2−22691
avionics and its support capability development, TARPS test program set 2−22635
blue-green laser satellite strategic submarine communications, feasibility study 2−2743
combat net radio, ECCM using frequency agility 2−16385
communication cct. availability reporting system based on SYM-1 microcomputer 2−10753
communications, antenna phased arrays appl. 2−16343
communications systems engineering program 2−10758
digital single antenna tropo system, TACTROPO 2−10977
digital tropo tactical communication equipment 2−21731
DSCS satellite, RF isolation and compatibility, MIL-STD-1541 2−26480
education in design for testability, Navy's course for engineers and managers 2−18911
electronic warfare system, measure of effectiveness 2−6855
electronic warfare system development for Air Forces, user's perspective 2−3554
electronic warfare system testing, using colour graphics 2−22130
electronic warfare systems test requirements analysis 2−22631
electronics and telecommunications role *(Finnish)* 2−15993
EMC conf. Bolkesjo, Norway, 1981, Aug. 2−18876
environmental testing, Eglin Air Force Base McKinley Climatic Laboratory capabilities 2−17474
fault detection and isolation system development 2−148
fibre optic cable assemblies, optical connector development for tactical appl. 2−21818
fibre optic communication link for missile payout appls. 2−2797
Firepond narrowband coherent 10.6 μm radar for space object imaging, design 2−11119
flight control, dual input actuator for fluidic backup 2−17491
flight line electronic warfare testers evolution 2−22632
flight test instrumentation, conf., Geilo, Norway (Oct. 1980) 2−13158
flight test system, air-to-air gunnery systems test and evaluation 2−17476
frequency line tracker for US Navy passive tracking algorithm program, Bayesian approach 2−26557
geosynchronous orbital altitude satellite position management 2−11983
guided weapon system development, reliability and data acquisition 2−17453
H6702 tactical internal communication system for small naval ships 2−21441
HEMP grounding practices for equipment shelters 2−21158
HF communications in defence 2−10955
ICS3 digital modular communication system, ships appl. 2−21442
identification friend-or-foe (IFF) system requirements for modern weapon systems 2−16495
inertial measurement units, fault detection 2−17494
IR surveillance using quantum-noise-limited signal processors 2−7040
laser illumination detection for military countermeasures, coherence determination using interferometer fringes 2−6076
laser ranger designator and thermal imaging system, alignment and testing using common collimator 2−3073
logistic support analysis education 2−18912
microwave interferometry appl. in target detect., recognition and identification for military systems 2−16498
military communication network trends and developments *(Finnish)* 2−26428
MILSATCOM, technology assessment for operation in the EHF band 2−6809
multispectral scanner test-bed aircraft system, radiometric performance 2−3545
mutual coupling between thin linear antennas in presence of metallic scatterer, EMC appl. 2−10522
Navy ATE calibration support 2−22145
netted military radar program at Fort Sill, Oklahoma, USA 2−16511
network user data end to end security provision 2−10871
optical fibre communication systems 2−6830
optical fibre developments appl. 2−6831
optical transmission technology appl. to command, control and communications systems 2−2795
passive surveillance using IR radiation, IRS-700 example 2−2833
PATRIOT radar system for tactical air defence 2−16509
photovoltaic power system appls. to instrumentation at remote US Army test centres 2−23219
photovoltaic space power technology for military appls., extension to 100 kW calc. range 2−18548
Polaris submarines, ELF communication system development 2−21756
Ptarmigan digital transmission codes 2−21755
RF target simulation system, for missile development 2−17468
satellite links, general purpose military satellite communications system concept 2−16434
simulator for military command, control networks 2−21426
SIRCAL Italian defence satellite system 2−16414
sonar, beam amplitude tracking using closed loop methods 2−26559
sonar, coherent frequency-bearing tracker based on Kalman filter theory 2−26558
sonar, line array response patterns, effect beamformer time delay sampling errors 2−26560
Space Shuttle developments, preparation for second launch 2−12018
spread spectrum technology for tactical digital data links, variable-data-rate/variable-jam-resistance concept 2−2725
military systems continued
submarine communications systems, operation in a military environment 2−26407
submarine communications via satellite, blue-green laser optical systems appl. 2−6774
Swiss Army ACM 300 outside broadcast unit, VTR/camera mobile facility 2−16562
tactical airborne communication system, developments in spread spectrum techniques 2−2703
tactical communications links, resistance to jamming by bandwidth expansion 2−6757
tactical communications nets, evaluation of EMC 2−21140
tactical navigation system testing [software intensive systems], software intensive systems development 2−17472
Telekrypt-Mini flexible modular cipher device 2−15996
thermal imaging, reconnaissance and surveillance appls. 2−3069
time signal permutation method analysis, analog voice privacy system appl. 2−15869
TIMOS morse training system, T100 teleprinter, microprocessor appl. 2−10798
Triffid, UK-TRC471 military radio system 2−10978
underwater acoustic signal detect. threshold effects in time-delay estimation via cross-correlation 2−26556
weapon delivery simulation, with airborne data acquisition and ground-based processing 2−17496
milliammeters *see ammeters*
mills, rolling *see rolling mills*
m.i.m. devices *see metal-insulator-metal devices*
m.i.m. structures *see metal-insulator-metal structures*
mineral oil industry *see petroleum industry*
mineral processing industry
colloidal solutions of magnetite as separation medium for nonferrous materials 2−4562
high-precision measuring devices from TESA SA of Switzerland *(French)* 2−23855
mines (coal) *see mining*
mines (mineral) *see mining*
minicomputers
for minicomputer aaapplications see under relevantapplications; administrative data processing; computerised control; natural sciences computing see also electronic calculators
automatic speaker verification using word recogniser, minicomputer 2−15867
Hewlett-Packards 9845C desk top computer, IC layout appl. 2−5770
IEEE-488 for computerised microwave meas. 2−22379
interactive minicomputer program for time series analysis 2−19142
machine tool flatness control appl. 2−23832
MADSSIM program, used for minicomputer complex digital cct. simulation *(Danish)* 2−19501
network applied time-delay analysis 2−16175
minimax techniques
approximations of Bayes and minimax risks and the lest favorable distribution 2−24070
asymptotically minimax estimate, for mean of normal population 2−15911
circuit optimisation on CAD systems, minimax algorithm evaluation 2−667
convex minimax optimization problems 2−24206
discrete minimax, global convergence of second order methods for convex problems 2−370
edge-weighted digraph, min-max theorem proof 2−19169
integer linear programming problems with inexact objective function 2−373
lexicographically extended linear maxmin problem, simplex based algorithm 2−4902
linear models, comparison of mixed and minimax estimators 2−4887
lumped parameter linear networks, one-dimensional minimax algorithm based on biquadratic models 2−24372
method of centers algorithm for certain minimax problems 2−24205
nonsmooth stochastic optimisation problems, stochastic feasible direction methods 2−372
on asymptotic minimax estimates of the second order 2−4820
optimal equivariant estimates of convariance operators 2−285
positional differential game, stochastic programmed synthesis *(Russian)* 2−4741
quality control, sampling inspection for the two-parameter exponential distribution 2−8274
satellite attitude optimisation, apogee kick motor firing maneuver 2−22601
statistical inference procedures 2−24079
weakly minimax on universal coding for classes of composite and remote sources with memory 2−10630
weakly minimax universal codes for stationary processes, total boundedness 2−10629
weighted minimax real-valued flows 2−393
minimisation
closed mappings in unconstrained minimization/ problems for convex functions/ 2−371
concave optimisation problems, appl. of extension principle to solutions *(German)* 2−411
convex, nondifferentiable functionals, minimisation 2−13636
convex differential function, conditional gradient method 2−420
convex programming, globally convergent algorithms 2−406
convex programming, iterative regularisation of third order minimisation method 2−24215
fu y-valued switching functions 2−13667
function, under equality chance constraint 2−419
generalised barrier functions, convergence of the method 2−24216
global minimisation in presence of constraints, efficient nonlinear algorithm *(Russian)* 2−364
global minimisation of concave functions subject to convex constraints, methodology survey 2−424
integral functionals with constraints of operator inclusion type, convex minimisation problems 2−175
lexicographic problems with a polyhedral set of strategies 2−24218
linear decision rule for complex hypotheses testing, synthesis, algorithms comparison 2−24078
linear vector optimisation, duality concept *(Czech)* 2−19092
LSI circuit topological segment connections *(German)* 2−13903

minimisation continued
Luenberger type observer-controller design, single machine infinite bus power systems 2−3681
matrix sparsity, Newton method 2−440
method for functions that satisfy the Lipschitz condition 2−369
Newton's method with step adjustment for degenerate minimization problems *(Russian)* 2−377
one domensional multimodal minimisation, algorithms and results of test function appl. 2−412
optimal power flow based upon P-Q decomposition 2−27391
optimisation-satisfaction problem. soln. by penalty function method *(Japanese)* 2−429
partitioning a rectangle for minimum total boundary length 2−13561
random search algorithm for unconstrained minimization 2−8636
simplex methods of direct search 2−8642
stochastic optimisation, multistep procedures 2−24190
subgroup minimality conditions *(Russian)* 2−13554
synchronous motor, frequency controlled, operating regimes anal., energy loss minimisation 2−18192
two dimensional digital filter, recursive, CAD to specified stability margin 2−9154
undifferentiable function with generalised gradient averaging, minimising method 2−13627

minimum metallic conductivity
As-Se, liquid, elec. and thermoelec. props. 2−9467
As-Se, liquid, elec. cond., thermoelec. power and semicond.-metal transition 2−14669

minimum principle
speed regulator systems design and control algorithms, for tape recorders *(Polish)* 2−2954

mining
see also mineral processing industry
50 kV locomotives for a mineral railway 2−4423
bore-hole sulphur mining, optimisation of number of bores *(Polish)* 2−13644
chain conveyor noise control 2−4436
coal, improvements in the mechanical excavation of coal from steeply inclined strata *(Russian)* 2−23852
coal, in Soviet Union, fuel and energy resource economising methods *(Russian)* 2−8132
coal combine with mutually interacting power systems and damping devices, optimisation using linear dynamic model *(Russian)* 2−17637
coal mines, safety enhancement *(French)* 2−18839
coal mining, transportation and associated cost trends 2−17818
coal mining and reclamation: Coal costs, regulations and utility planning 2−23854
coal mining technical and economic predictions using Lagrange polynomial *(Russian)* 2−13695
controlling the overvoltage of smoothing filters of thyristor convertors in mine electric locomotives *(Russian)* 2−28021
conveyor systems, utilisation factor improvement *(Russian)* 2−28177
design for safe switching of electrical control equipment in coal mines *(Russian)* 2−28321
diesel driven load haul machines conversion to electric drive 2−28158
diesel power generation for mines, trends 2−27772
digital mine communication systems, useful lengths determ. rel. to data security, EM interference aspects 2−16225
distribution systems, observations on some pertinent present day problems 2−22910
electrical equipment in mines, breakdown's classification *(Russian)* 2−28320
electrical protection of face mining equipment, UK practice 2−17766
electrical safety prediction using reliability techniques, fault tree for safety grounded/ground fault protection systems 2−18842
electricity distribution network for Selby mining project, UK 2−12236
geological prospecting in China, telemetry appl. 2−12065
geostatistics practice (1980) 2−8489
induction motors, explosion-proof, for mines, manuf., quality and reliability *(Russian)* 2−4132
induction motors, overloads for protection tripping, calc. method *(Russian)* 2−27919
Industry Applications Society meeting, conf., Philadelphia, PA, USA (Oct. 1981) 2−13164
low-voltage mains systems, short-circuit current determination *(German)* 2−18838
machinery testing 2−13305
MF radio communication system for underground mining, system design and performance 2−16407
molded-case circuit breakers for underground mine power systems, accelerated life testing 2−18401
novel fail safe earth fault protection schemes for underground coalmines using restricted neutral system of power supply 2−22961
pit-head winding motors control systems, principles of speed control *(German)* 2−27883
power distribution voltage level calcs. using hand-held programmable calculator 2−17714
power system, optimal spares provisioning technique for consumable items 2−17664
powered tools for underground mines, development trends 2−28319
programmes for research in mining and coal, United Kingdom 2−3823
radial power system CAD, determ. of tap and time dial settings of overcurrent relays 2−17769
recent developments in electric cables for use in mines 2−27495
semiconductor traction substations, mining distribution network overloads, operational effects *(Russian)* 2−27476
shaft sinking, mechanical and electrical engineering aspects 2−13133
shearers, power transmission and control 2−18840
spurious protection operation in open-cast mining and quarrying power networks caused by circuit oscillations methods of avoidance *(Russian)* 2−27485
synchronous motor excitation optimisation for Fe ore mines *(Russian)* 2−27894
telecommunication equipment for underground mining, review 2−26204
trapped-miner location system based on ELF link with computer control, mag. dipole excitation system 2−16456
UHF data communications system for information exchange between surface computers and driverless locomotives 2−16226
underground coal-mine power system, computer-based protection relaying scheme 2−17776

minmax technique *see minimax techniques*

minority carrier conduction *see minority carriers*

minority carriers
C-CD, thermal generation currents, phase electrode bias voltage depend. 2−5755
diffusion coeff. in heavily doped semicond. region of Si device 2−25208
diode laser introduction, injected carrier conc. rel. to optical gain 2−6222
GaAs photodiode, sensitivity mapping using laser beam scanning equipment *(Slovak)* 2−25620
heavily-doped semiconductors, bandgap reduction mechanism, bandtailing and rigid band models 2−20059
interdigitated back contact solar cell with high-current collection 2−23628
MIS solar cells, computer-aided anal. of short circuit current, spectral response meas. appls. 2−23464
MIS structure, depletion widths anal. 2−1251
MIS structures, minority carrier lifetime and doping profile determ. by photoinjection 2−9504
MOS structure, low-doped, pulsed photoinjection, characteris. of doping level and minority carrier lifetime 2−9512
MOS system, surface states and minority carrier generation meas. by DLTS *(Japanese)* 2−9510
n^+-p-p^+ structures, negative differential conductance in mag. field 2−14684
p-n junction, minority carrier lifetime meas. by laser scanning digital system *(Rumanian)* 2−20121
p-n junction diode, effect of emitter recombinations on open circuit voltage decay 2−14836
p-n junction diode, normal modes for materials parameter determ., open-circuit voltage decay 2−9619
p-n junction solar cells, photo voltage decay method for minority carrier lifetime meas. 2−12858
photoelectrolysis cell, current-voltage characteristics 2−18408
semiconductor, high freq. photoresponse with modulated carrier diffusion coeff. 2−15387
semiconductor diode, minority carrier lifetime meas. using open-circuit voltage decay technique, depletion layer effects 2−5728
semiconductor material/device characteris. using two-wavelength laser scanner 2−10405
semiconductor thin film, minority carrier bulk diffusion length determ. by SEM-EBIC 2−14832
semiconductors, direct gap, minority carrier lifetime, electron beam induced current study 2−24971
solar cell, high-low emitter, in concentrated sunlight, analytical model 2−18485
solar cell, semiconductor-electrolyte junction, superposition principle 2−4343
solar cell spectral response, effect of minority carrier mobility variations 2−23563
solar cells, effect of O_2 impurities 2−23642
solar cells, p-n junction, generalised approach to minority carrier lifetime meas. 2−4365
Au-oxide-n-GaAs struct., forward biased, electroluminesc. 2−9515
Cu_2O Schottky-barrier solar cells, minority carrier diffusion length meas. for Cu-Cu_2O functions 2−23611
Cu_2S/CdS solar cells, transient photovoltaic effect 2−28121
GaAs, minority carrier lifetime, electron beam induced current study 2−24971
GaAs p^+-n-n^+ structs., nonequilib. minority carriers, effective lifetime in lightly doped n-type region 2−9495
p-GaAs, reemission effect on carrier transport 2−5566
GaAs solar cell radiation damage, annealing, thermally and by minority carrier injection 2−18552
GaP:Mg, ion implanted, minority carrier diffusion length meas. 2−14658
n-GaSb:S, minority carrier diffusion length, photoconductivity study 2−9441
GaSe, single crystals, IR quenching of photoelectrical memory *(Russian)* 2−20076
n-Ge, neutron bombarded, minority carrier injection and extraction 2−24949
p-$Hg_{1-x}Cd_xTe$, deep levels, correlation with photodiode performance 2−1176
p-$Hg_{1-x}Cd_xTe$ photodiode, minority carrier lifetime and recomb. mech. 2−1177
p-$In_{0.53}Ga_{0.47}As$, photoexcited minority electrons, velocity field characts. 2−1172
p-$In_{0.75}Ga_{0.25}As_{0.55}P_{0.45}$:Cd LPE layer, doping characts. and elec. props. 2−20186
n-InP single cryst., electron mobility and minority carrier lifetime 2−9428
InSe, single crystal, IR quenching of photoelectrical memory *(Russian)* 2−20076
$Pb_{1-x}Sn_xSe$ photovoltaic detectors, minority carrier lifetimes, resist.-area product 2−15374
Se, single crystal, freq. depend. of cond., noise and photoresponse 2−9416
Si back surface field solar cells, theory 2−28122
Si, electron irrad., minority carrier lifetime meas. 2−24946
Si grating-type solar cell design and anal. 2−23561
poly-Si, H_2 heat treatment for enhancement of minority carrier diffusion length for low-cost solar cells 2−18594
Si, heavily doped, nondegenerate minority-carrier concentration and recombination current 2−5532
p-Si, low resist., minority carrier diffusion length, heat treatment effect 2−24945
p-Si MISIM and induced back surface field solar cells 2−23639
p-Si, minority carrier diffusion length meas., evaluation of surface photovoltage method 2−14628
Si, minority carrier lifetime inhomogeneities, liq. rectifying contacts, laser scanning tech. 2−1158
Si n^+-p diffused solar cell, effect of junction depth on performance 2−18487
Si p^+-s-n^+ epitaxial diode, double reflection effect on forward I-V characts. 2−25199
a-Si Schottky barrier solar cells, localised states and photocond. 2−4344
Si sheet, ion implanted thin film solar cells 2−23515
Si, solar cell, single cryst. and polycryst., minority carrier diffusion length 2−18472
Si solar cells, minority carrier lifetime, laser-transient photovoltaic effect study 2−28110
Si solar cells, p-n and n-p junction, effect of back surface field on open-circuit voltages 2−23435

minority carriers continued
Si substrates, numerical anal. of minority carrier lifetime, contactless meas. technique *(Japanese)* 2−9409
Si thin solar cells, optical confinement by diffuse back reflectors 2−23559
Si:As emitters of transistors and diodes, energy gap narrowing in heavily-doped regions of devices 2−20241
a-Si:H, photoresponse time and density of localised states in mobility gap 2−25001
Si:H amorphous n-i-p solar cell, minority carrier transport in depletion layers 2−28117
Si:Li polycrystalline solar cells, effect of diffusion on grain boundary transport and minority carrier recombination 2−23622
Si-Ge two junction tandem solar cells for thermophotovoltaic appls. 2−23560
Si-SiO_2 system obtained by Si oxidation in water vapour, electrophys. props. *(Russian)* 2−14724
Si-TRAPATT structures, p^+-n-n^+ and n^+-p-p^+, plasma formation and extraction differences 2−5719

mirages *see atmospheric optics; light refraction*

mirrors
acetylene combustion product gasdynamic laser 2−25706
analysis of combined system for controlling laser-mirror scanner *(Russian)* 2−15582
buried long period grating for laser applications/ 2−1767
cathode lens, mirror mode, estimation of contrast *(French)* 2−9386
coated cone performance in annular resonator 2−1970
concentric, semi-concentric resonators with circular mirrors, reson. mode field distrib., diffr. theory *(Chinese)* 2−10308
conical reflector parameters and telescope receiver irrad. coeff. calc. for total-radiation pyrometer 2−1770
deformable bimorphous mirror using $Pb(Mg_{1/3}Nb_{2/3})O_3$ electrostrictor 2−1763
dielectric reflectors, laser UV damage resist. under multiple-shot irrad. 2−6254
dye laser, CW, with phase-conjugate mirror, longit. modes and aberration-correction props. 2−15477
electron microscopy, mirror, mag. contrast, instrument const. 2−5527
Gaussian pulse time broadening 2−2373
heliostat characterisation at solar central receiver test facility, Albuquerque, USA 2−7780
hole grating beam sampler, high energy laser diagnostic tool appl. 2−1768
incandescent lamps development, energy conserving, with multi-layer heat mirror coating 2−13057
ion-etched gratings for laser applications 2−2048
laser beam reflected with reversal of wave front, mean field 2−25825
laser cavity, TEM_{00}-thermoinsensitive, in presence of several thermo-perturbations *(Chinese)* 2−1972
laser mirror development, high reflectivity, using cavity-attenuated phase-shift method 2−6242
laser mirrors made of metal-fibre structs. cooled with liq. alkali metals, thermal-deform. characts. 2−25818
laser optics, conf., Leningrad, USSR (Jan. 1980) 2−18844
laser pulse transmission, ultrashort, through waveguide resonator with distributed Bragg mirrors 2−1980
laser resonator parameters, mirror thermal deform. influence *(Chinese)* 2−10307
laser scanner design, low-cost 2−20994
laser toroidal mirror unstable-stable resonators 2−15513
lasers, high power, folded resonators *(Chinese)* 2−10328
open resonator, diffr. power losses for symm. perturbed curved reflectors 2−1969
phase conjugate mirror resonator for CW dye laser 2−10322
photovoltaic concentrator technology, parabolic mirrors 2−18101
polygonal tapered mirror for laser scanning systems, precision anal. *(Chinese)* 2−15580
rhodamine 6G dye laser with compounds resonator pumped by Xe-ion laser 2−10265
scanner control system response speeds, problem of improvement *(Russian)* 2−25884
solar cells, principles and technology *(Spanish)* 2−23419
space mirror radiotelescopes, design and dev. 2−6878
unstable resonator with mirror misfigures, near field phase calc. 2−1971
vibrational displacement of reflecting mirror meas. using all-fibre Michelson interferometer 2−1704
AlGaAs lasers with micro-cleaved mirrors suitable for monolithic integration 2−25773
CO_2 laser, pulsed, metallised film mirror with variable curvature 2−10318
CO_2 TE continuously tunable laser using three mirror resonator, single mode operation 2−1869
CO_2, waveguide laser, effect of resonator-mirror curvature on output power 2−10317
Cu, laser-induced pitting at 10.6 μm, surface prep. method effect 2−6253
$Ga_xIn_{1-x}As_yP_{1-y}$/InP stripe lasers with chemically etched-mirrors, review 2−25785
He-Ne Zeeman lasers, mirror anisotropy effects, Jones matrix representation 2−20803
InGaAsP short cavity single-mode 1.3 μm lasers with evaporated high-reflectivity mirrors 2−20882
In_2O_3 coated mirrors to eliminate spacecraft surface charging 2−20709
Mg mirror surface, dynamic hologram recording, wavefront inversion 2−2055
Nd:glass laser, tailored pulse reflection from stimulated Brillouin scatt. mirror 2−10337
SiO_2 fused, Heraeus-Amersil type T08E, thermal expansion uniformity 2−15283

m.i.s. devices *see metal-insulator-semiconductor devices*

m.i.s. integrated circuits *see field effect integrated circuits*

m.i.s. structures *see metal-insulator-semiconductor structures*

missiles
AMRAAM missile system simulation, Continuous Discrete Simulation Programming System, FORTRAN routines 2−3540
ATE, modular switching interface design 2−22688
ballistic missile defence, multicomputer systems, logic upset circumvention 2−25975
cruise missile system, fibre optic data link development 2−21817
environment test facility 2−22617
external SGEMP response, in X-ray deposition region 2−25982
fibre optic communication link for missile payout appls. 2−2797

missiles continued
fibre optic interconnection standards, for MX missile program systems 2−21816
flight safety system for the advanced strategic air launched missile 2−22657
guidance system simulation for the '80s 2−3542
guided weapon system development 2−17453
homing missile guidance systems anal., Statistical Linearization odjoint method for nonlinear systems, computer tool 2−7368
JTIDS strapdown inertial midcourse guidance performance analysis 2−7392
mission endurance computerised control system 2−22633
MM-wave radome performance, materials implications 2−22359
model, EMP coupling 2−25983
PATRIOT Guidance Test and Simulation Facility, hardware-on-the-loop missile system simulation in real time 2−7369
pre-launch missile data recording and display, solid-state data extraction unit 2−22198
reserve lithium batteries for missiles and other high rate applications 2−18456
RF target simulation system 2−17468
simulation validation for missile systems 2−3541

mixed conductivity
transport equations for electrons and ions 2−18460
$LiFeO_2$, elec. props. and phase transform., complex admittance study 2−14661
Na_xCoO_2 bronzes, electrochem. intercalation of Na 2−12791

mixed state
see also flux creep; flux flow; flux-line lattice; flux pinning
No entries

mixed valence compounds
transition metal oxides, elec. and electrochromic props., review 2−25010
V_2O_5, amorphous CVD coating, prep., elec. cond. and EPR spectra 2−20103
V_2O_5-TeO_2 semiconducting glass, elec. cond., thermopower and optical absorpt. 2−25012

mixers (circuits)
see also frequency convertors; radio receivers
12 GHz receiver with a self-oscillating dual gate MESFET mixer 2−19866
26-GHz band integrated circuit of a double-balanced mixer and circulators 2−19870
94-GHz beam lead balanced mixer, design 2−9044
audio input mixing desk constructed on one PCB 2−2976
balanced mixer, 94 GHz, fabrication using fin line circuitry and beam-lead Schottky diodes 2−19869
broadband fin-line mixer for mm-waves, material and cct. evaluation 2−938
coherent MM-wave radar receiver 225 GHz, low-noise balanced mixer, all solid-state 2−21867
computer assisted mixer, stereophonic TV broadcast applic. *(Japanese)* 2−2866
DJ90 stereo disco mixer, constructional details 2−6956
down conversion at a Josephson contact for large intermediate frequencies 2−780
EHF devices using Josephson superconductive contacts, 8-mm range *(Bulgarian)* 2−1606
far IR heterodyne detectors, InSb bolometer, GAAs Schottky diode and Josephson junction mixers 2−7102
frequency stabilisation circuit for GHz range *(German)* 2−9022
Gunn diode, self-excited, sensitivity 2−24455
Gunn oscillator, self-mixing, low-cost, high-burnout, description 2−24456
harmonic mixer for 20 to 40 GHz range 2−19873
IC, high perform. for HF radio receiver front end 2−14034
intermodulation reduction technique 2−21134
IR and MM waves, conf., Miami Beach, FL, USA (Dec. 1981) 2−23889
IR detector-mixer, using MOM diode 2−16984
Josephson heterodyne sub MM wave detector at high thermal background levels 2−24702
Josephson junction mixer without matching devices in the 8 mm band *(Chinese)* 2−9220
Ka-band mixer config., low cost, industrial appls. 2−24710
MIC balanced mixers in dielc. image guide, 94 GHz radar appls. 2−6858
microstrip balanced mixer, 1.5 GHz, design and exptl. results 2−918
microwave, effect of local Gunn oscillator noise on performance 2−5153
microwave frequency convertors, theory, appls. *(Italian)* 2−19599
MM wave detector and mixer technology 2−24462
modulation characteristics of diode mixers with microwave intermediate freq. 2−9046
planar antenna-coupled supercond.-insulator-supercond. devices for detect. and mixing above 100 GHz 2−20600
Plessey SL6440 mixer IC, using transistor tree 2−24452
QX 7000 video mixing unit, development, appls. *(German)* 2−26631
radio studios, mixer console design for braodcasting 2−6885
resistive lattice H mixer, fundamental performance limitations 2−19602
Schottky barrier diode mixer characteristics, hot electron effects at high frequencies 2−5351
Schottky diode, room temp., mixing of CO_2 10 μm laser radiation 2−5363
Schottky mixer diode, low barrier height, using super thin Si films, MBE fabrication 2−9611
SECAM video mixers, chrominance signal instability, compensation 2−21961
simple ccts. using potentiometers *(German)* 2−9041
stereo four input mixer, using op amps 2−22003
subharmonic mixers for 183 to 225 GHz 2−24463
subharmonically pumped mixing with gain using superconductor-insulator-superconductor junctions, theory 2−1604
supercond.-insulator-supercond. junction array mixers, conversion efficiency and noise meas. 2−20601
superconducting quasiparticle heterodyne mixers, large gain, negative resist., and oscills. 2−5937
superconductor-insulator-superconductor mixer, 115 GHz, infinite available gain 2−20593
superconductor-insulator-superconductor mixers, large conversion efficiency and dynamic range 2−20591
superconductor-insulator-superconductor mixers, negative resist. and conversion gain 2−20592
superconductor-insulator-superconductor mixing with arrays at millimeter-wave frequencies 2−9933

mixers (circuits) continued
VAY-1 high-intercept-point mixer conquers distortion, stretches dynamic range 2—5154
video mining unit, using TV cameras *(German)* 2—16682
vision mixing, a new generation in post production mixing 2—16626
GaAs Gunn-effect oscillators used as MM-wave self-excited mixers, noise figure 2—19891
GaAs MESFET microwave mixers, theory and appls. 2—19863
GaAs Schottky detectors in sub-MM wave region, characterisation 2—19888
InP Gunn-effect oscillators used as MM-wave self-excited mixers, noise figure 2—19891
InP MM-wave dielectric image line self-mixing Gunn oscillator 2—940
Sn-SnO_2-Sn junction, quasiparticle harmonic mixing 2—20599

mixes *see mixtures*

mixing
see also blending; dissolving; heat of mixing; mixtures
cattle fodder mixing by AC motor speed control 2—28307
granular materials, dosage conveyor with high-accuracy gravity feed, AEG system *(German)* 2—23821
melting baths agitator inductive system, electromagnetic field anal. *(Rumanian)* 2—23795
optimised planning problems solution using partially-linear programming *(Russian)* 2—13226
CO_2-N_2, mixing laser, performance using rapid mixing technique 2—1854

mixing, heat of *see heat of mixing*

mixing circuits *see mixers (circuits)*

mixtures
see also mixing
coal-oil mixtures and coal-water slurries as alternatives to oil fuel 2—12324
nematic liquid crystal colour filters, transmission spectra 2—1759
CO_2-N_2 mixture, reson. self-focusing 2—10344

mm waves *see microwaves*

mobile antennas
aircraft multibeam adaptive array for main-beam interference nulling 2—6378
bifilar normal mode helix with unbalanced feed, VHF/UHF appl. 2—2731
car windshield, active, for broadcast receivers, design 2—15783
PC, for car windscreens *(Spanish)* 2—4446
resonant thin-wire antenna, thermal response of human in near zone 2—26039
RPV antennas, review and developments 2—7408
SHF antenna types parabola, cassegrain, horn reflector, offset and Gregorian *(Japanese)* 2—21228
space diversity antenna switching Johnson 800 MHz logic trunked mobile radio system appl. 2—2702
VHF mobile antennas, vertical polarisation, fitting to automobiles 2—16394
VHF-UHF antenna design trends, transceiver appl. 2—26432

mobile communication systems
see also aircraft communication; mobile radio systems
Aurora, automatic mobile telephone system, design and operation 2—2460
bus public transport, computerised call responsive system, communications techniques *(Japanese)* 2—16217
digital transmission, maximum bit rate 2—11003
EHF satellite communication user terminals, cost considerations 2—16439
EHF satellite communications for mobile users, config. 2—16440
frequency hopping techniques considering coherence bandwidth, effect of diversity 2—11001
HF insulated railjoint-free track circuit, FME L 20/80 type *(German)* 2—10953
microwave, transmission of digital data over Rayleigh fading channel 2—26438
military communication network trends and developments *(Finnish)* 2—26428
military shipborne satellite communication terminal 2—16437
military telephone network multiplexers, using microprocessor control *(German)* 2—16282
personal and mobile communications philosophy 2—2727
submarine communication systems, blue-green laser/satellite links, military appl. 2—6774
zip-coded cellular interface concepts for mobile terminals and proliferated satellite communication networks 2—2770

mobile power plants
see also space vehicle power plants
4 MW mobile power generator set 2—12508
advanced aircraft electrical system simulation programs 2—3568
aircraft electric generating system simulation by Sceptre program 2—3567
aircraft HVDC electrical system modelling program 2—3566
chemical tankers, design and construction 2—23690
cogeneration potential for enhanced oil recovery in USA 2—23115
marine plant, steam-to-steam propulsion conversions for improved fuel economy 2—23691
marine power plant reliability data flow control by man-supervision system 2—4005
thyristor power circuit for shipyards *(Russian)* 2—28028

mobile radio systems
5 channel digital proportional PWM radio control system, construction 2—2713
406 MHz emergency position indicating radio beacon, sea trial 2—21876
800 MHz, trunking concepts for dispatch radio system 2—2698
airborne UHF radiolink for over-sea use, mathematical model 2—6773
amateur radio operating tips 2—10989
amplitude compandored sideband modulation for land mobile radio systems 2—2697
ARI car radio traffic information system *(German)* 2—26447
ATC, mobile radio communication control scheme, voice-data co-channel operation *(Japanese)* 2—2695
Aurora cellular mobile telephone system 2—21745
autobus equipped with radio equipment designed by Fulda Voluntary Fire Service *(German)* 2—26437
automated dual freq. signal strength surveying and mapping equipment 2—26451
automatic telephone system from Televerket *(Norwegian)* 2—6786
automobile radiotelephone systems with through dialling *(German)* 2—10997

mobile radio systems continued
bandsharing spread-spectrum system with TV broadcast channels, improved use of spectrum for land mobile radio 2—2709
British Rail Inverness-Wick radio signalling scheme, computerised block instrument control unit 2—13018
canonic receiver analysis for M-ary angle modulations in Rayleigh fading environment 2—26439
CB, 27 MHz FM deviation meter 2—26869
cellular land mobile communication systems, radio link design 2—26440
cellular mobile radiotelephone service technology 2—26448
cellular mobile radiotelephone system operation 2—26449
cellular radiocommunication systems, French approach 2—2729
cellular systems alternatives for public mobile telephone services 2—26456
citizens' band frequency synthesis 2—11002
clandestine radio during 1935-45 2—26450
co-channel protection ratio, subjective testing 2—21758
combat net, ECCM using frequency agility 2—16385
community repeater site management 2—10987
computer controlled taxi data communications 2—26433
conference, Leeds, UK (July 1981) 2—13155
cordless telephone handsets, NBFM-modulated transmission from transponder at 1.6 MHz and from handset at 49- MHz 2—6783
cordless telephones, legal aspects, similarities with UK CB systems 2—21744
data radio systems for railway communication and control 2—16395
digital, MFSK system performance 2—16388
digital, Rayleigh fading channels, bit error rates of selection diversity systems 2—11007
digital land mobile radio channel, burst error characts. 2—10994
digital land mobile radio systems using min. shift keying with differential detect., transmitter diversity 2—11000
digital mobile radiotelephone system using TDMA/FDMA scheme 2—21761
digital radiotelephone system, TD/FDMA scheme 2—11006
digital speech transmission in mobile radio, recent developments 2—21752
digital voice processing land mobile radio 2—2722
ELF communications for nuclear submarines 2—2714
error rate meas. on 1200 bits per sec data on mobile radio 2—26454
fast fading, digital PLL with phase-step input, perform. 2—11004
feedforward automatic gain control in mobile radio receivers, performance limits 2—16391
field strength survey techniques, device measurement, computer predictions 2—16379
FM receiver in quasisynchronous field, analysis of response 2—2710
forward error correction for automatic repeat-request scheme 2—10995
frequency-hopping multiple-access system, noncoherent and differentially coherent, max. likelihood combining 2—6788
future airborne communication systems, trends 2—2705
German Federal Railway, freq. allocation planning for radio systems *(German)* 2—10996
GMSK land mobile radio, spectrum efficiency 2—11010
guided vehicle systems radio link 2—2716
HF, interference suppression methods for vehicles 2—26445
HF packset receiver-transmitter using direct conversion 2—16400
Houston Public Works Dept. radio trunking system 2—2696
hybrid signal divider, for VHF and UHF receiver distrib. systems 2—16397
IC240, rotary channel switch conversion to provide 24 channels 2—26446
INMARSAT telecommun. system, shipborne equipment standards *(Polish)* 2—6803
interconnected radio/telephone systems, troubleshooting procedures 2—2699
in Iran, design and implementation procedures 2—2694
Jaguar V frequency hopping radio 2—16399
Johnson 800 MHz logic trunked radio system 2—2702
land, instant licensing, impact on industry 2—16381
land mobile radio propagation in London at 936 MHz 2—26435
land mobile radio received signal strength, sequential estimate of cumulative probability 2—21762
land-mobile radio systems, digital techniques for optimum frequency spectrum utilization 2—2718
maritime radiocommunications in Italy, legal aspects *(Italian)* 2—6771
maritime satellite communication via the Inmarsat system *(Swedish)* 2—11024
MF radio communication system for underground mining, system design and performance 2—16407
microwave radio relay system, low power 2—2717
microwave radio systems on 23 GHz 2—2721
military transceivers, Jaguar V frequency-hopping radio 2—2707
military VHF mobile radio equipment, requirements and development trends 2—2720
mobile telephone in Nordic countries 2—26207
modulation techniques, comparison of SSB, PM and AM systems 2—6785
multipurpose transmission site at Froburg, Switzerland *(German French)* 2—11168
NEC medium-sized mobile radiotelephone system, description, component equipment 2—6775
network architectural organisation, distributed algorithm 2—16389
overland, radio interference statistical charcts. in active zone 2—2715
packet radio networks, distributed control 2—21765
PE Ranger 27FM CB transceiver, calibration tests 2—26444
performance of system with two types of customers and priority 2—2730
police, history 2—2723
Polish Health Service, applns. *(Polish)* 2—21763
power system circuit breakers' remote control using closed mobile radio communication system *(Norwegian)* 2—27572
precorrection concepts for mobile terminals with processing satellites 2—2776
private land mobile services, SSB user evaluation trial 2—16403
private mobile radiotelephone systems, interconnect signalling problems 2—2701
propagation at 900 MHz in urban areas 2—26453
propagation experiments for CB radio service at 934 MHz 2—26452
PSK digital modulation methods in Rayleigh fading environment and presence of co-channel interference 2—2708
Ptarmigan digital transmission codes 2—21755
Ptarmigan electronic teleprinter and facsimile transceiver terminals, appls. 2—21754
public mobile radiotelephone system for province of Alberta, Canada 2—2700
PW Exe microwave transceiver, IF alignment 2—16393

mobile radio systems continued
radio control stations and radio networks for civilian fire and disaster protection services *(German)* 2−16387
radio field strength meas. at 900 MHz within a building 2−25965
radio paging receiver, fully integrated 2−21753
radio telephone, Home Office VHF SSB trial 2−16401
radiopaging, telecommunication services in large public buildings, Warsaw Airport example *(Polish)* 2−2433
radiotelephone system troubleshooting by anal. of interface 2−16384
rearrangement algorithm, for small cell mobile radio system 2−11009
rearrangement application to mobile radio communication system 2−21760
road emergency services, applns. *(Polish)* 2−21764
satellite services, prep., planning of future maritime systems 2−2724
satellite-aided, NASA communications R&D program 2−11029
SAW filter applic. 2−16396
Scimitar family of combat net radios 2−21749
series/parallel data transmission for microprocessor control of rail vehicles *(German)* 2−26436
ship-to-shore system for fishery factory ship Cetus *(Polish)* 2−6787
shipboard radio paging systems 2−21746
Signalbox-to-train radiocommunication system used by British Rail 2−2706
signalling techniques for 900 MHz mobile radiophone system 2−26457
site selecting work for mobile communications 2−26441
slotted waveguide communication systems *(German)* 2−21751
solar-powered transmission sites 2−10988
spectrum utilization in Arabian Gulf, Radio Frequency and Equipment information in Management System 2−2719
spread spectrum and FDMA techniques, comparative analysis 2−26455
spread spectrum technology for tactical digital data links, variable-data-rate/variable-jam-resistance concept 2−2725
spread-spectrum, applns. of frequency hopping modulation methods *(Japanese)* 2−26081
spread-spectrum receiver, dynamic perform. of delay lock loop code synchroniser in noisy conditions 2−16398
SSB, pilot receiver 2−16406
SSB, subjective performance of amplitude companding 2−10991
SSB AM vs. FM at VHF for mobile radio telephony 2−10990
SSB land mobile systems 2−16402
SSB radio systems, phase-locked, speech pulling problems 2−16390
steerable rhombic antenna for 432 MHz 2−15771
Stornophone 900, microcomputer controlled radiotelephone *(Danish)* 2−21750
study of operations at 1296 MHz 2−26458
Swedish automatic mobile telephone network proposals *(Swedish)* 2−21445
Swedish coastal radio service, description *(Swedish)* 2−21759
syllabic compandor for 800 MHz land mobile and telephone system *(Japanese)* 2−6772
synchronization techniques for mobile user satellite systems 2−2771
taxi control system for Detroit, USA 2−2711
telephone system, signalling protocol, simulation 2−11008
terrestrial mobile communications above 500 MHz, conf., Jan. 1982, London, England 2−23899
transceiver, for Z 2−11005
trunked systems, wide-area coverage solns. 2−2728
two-way radio systems, paging encoder, microprocessor system 2−16383
U 700 system, VHF equipment for traffic control *(German)* 2−16386
UHF mobile radiotelephone systems, 825-845 MHz and 870-890 MHz bands, FCC decision 2−16382
UHF urban propagation expts. for sound broadcasting for mobile reception *(French)* 2−21918
UHF urban radio channel, stochastic model 2−10993
UK 70 cm repeater network development, radio amateur appls. 2−6778
urban mobile radio propagation at 900 MHz 2−26434
US Navy and US Merchant ship communications interoperability 2−10998
VHF ground-wave propag. meas. near 30 MHz, 54 MHz and 148 MHz for 42 km and 51 km path lengths, actual losses and predictions 2−2135
VHF land mobile band, SSB portable transceiver 2−16404
VHF mobile and handportable transceivers, SSB modulation appl. 2−2704
VHF mobile antennas, vertical polarisation, fitting to automobiles 2−16394
VHF radiotelephone services, speech transmission quality 2−16380
Wolfson SSB receiver, optimisation 2−16405

mobility, carrier *see carrier mobility*

model reference adaptive control systems
Cromby electric generating plant model, model reference control appl. 2−12492
DC motor speed control using microprocessor, model reference adaptive control theory appl. 2−12658
fossil fueled generating plants, model algorithmic control 2−12491
generation and system control via modern control theory 2−22852
in-flight simulation, effects of digital control 2−17469
Z 2−3936

modelling
see also brain models; catastrophe theory; corporate modelling; identification; physiological models; semiconductor device models; simulation
1/f noise effect on EM meas. assessment 2−16753
AC/DC system disturbances computation, transient stability assessment 2−12225
accurate modelling of frequency-dependent transmission lines in electromagnetic transient simulations 2−22938
airborne UHF radiolink for over-sea use, mathematical model 2−6773
algebraic closure and Skolemization, functorial properties 2−8613
analysis of solar powered electric water pumps/ 2−23204
analytical model of solar powered separately excited DC motor 2−27942
asynchronous machine, frequency convertor-fed, steady state and transient behaviour anal., math. model *(Russian)* 2−4143
asynchronous machine drive with short circuited stator, braking modes investigation 2−18640
asynchronous machine electro-mechanical transient calcs., using models *(German)* 2−18243
atmospheric RF interference models applicability evaluation 2−6346
atmospheric VLF interference, fluctuation and pulse components intensities relationship calc. 2−2166
boiler isothermal modelling using the swirling equation 2−27733

modelling continued
BWR blowdown emergency core cooling programme, 64 rod bundle blowdown heat transfer phase, test results 2−17902
choice of analytical and modelling methods for reactive compensation equipment 2−12293
coaxial cables coupling in multi-cable system, lumped-circuit model 2−9259
cold crucible system, induction heating to calc. elec. orders, theoretical model 2−18767
computer modelling of an electromagnetic suspension *(Russian)* 2−18673
conditional incremental-runlength code based on two dimensional Markov model 2−10638
contactless motor with transistorised commutator, math. model 2−4034
contaminated insulator flashover mechanism, math. models *(French, English)* 2−27553
convective and radiative heat transfer in MHD radiant boilers 2−28130
custom LSI and hybrid IC reliability model weighting 2−5497
deep water acoustic ranging system modelling, algorithmic implementation and performance 2−26554
design of models of power systems from the data of control measurements 2−12173
design of synchronous generators with prescribed dynamic characteristics *(Russian)* 2−12605
distribution reliability evaluation, integrated historical and predictive assessment approach 2−17710
DPSK system, binary, direct sequence/frequency hopped, susceptibility to jamming 2−6388
dynamic model of technological change and industrial growth 2−8200
dynamic models for the transient analysis of induction machines with asymmetrical winding connections 2−23294
dynamic models of tidal estuaries 2−23184
EHV and UHV transmission lines, environmental aspects, math. model 2−3767
electric power transmission linear programming model, basic submatrix coeffs. sensitivity 2−7769
electric utility modelling extensions to evaluate solar plants 2−23199
electrical ageing of dielectrics, math. model 2−9767
electroluminescent devices, AC thin film, modelling 2−6113
electronic component tolerances, economic choice 2−18970
ELF/VLF impulsive noise, anal. and modelling 2−21330
energy strategy planning for electric utility, SMARTE methodology 2−27429
energy strategy planning for electric utility, SMARTE methodology case study 2−27430
energy-economy models evaluation, guidelines 2−23928
FM/FDM modulated radio carrier, simulation for interference and intermodulation calcs. 2−21732
forecasting model of commercial energy demand 2−23941
fossil fuel demand forecasting, math. model. 2−3826
future US energy technologies: cost and oil import tradeoffs 2−23940
heat distribution centres, computer simulation 2−23071
heat transfer models, for laser beam machining 2−2063
heat transfer scaling laws for MHD channels and diffusers 2−28131
high coercivity Fe alloys, hysteresis curve, math. model *(Russian)* 2−1559
hydraulic turbine generator, asynchronous operation anal., math. model *(Russian)* 2−3963
induction motor, EM transient anal., math. models *(Russian)* 2−4124
induction motors with saturable leakage reactance, modelling and simulation 2−18252
inductive dynamic brake device in high speed switchgear, math. model. 2−4308
interprocessor network utilisation rate optimisation models *(Italian)* 2−21625
Josephson junction model, phase-plane anal. 2−20558
linear induction pump for molten metal, one dimensional model 2−18764
mathematical capital programming model for electric energy 2−17675
mathematical model for the asymptotic motion of complex energy-supply systems 2−22850
mathematical model of circuits with rectifier converters 2−28029
mathematical modelling of an electric drive with regard to flexible coupling *(Russian)* 2−12967
mathematical modelling of tidal power schemes in the Bristol Channel, England 2−23182
measurement system calibration synthesis and verification model 2−26701
measuring equipment error from test results 2−16765
microwave, from simulated hailstones in an open resonator 2−3261
Middleton's canonical formula for Class A noise 2−15728
MIS photodiode integrated devices for image processing calc., using integral transforms *(Russian)* 2−10136
modelling of ion-beam etching process of thin films 2−20214
nonconventional state models of electric transmission lines 2−27535
nuclear power station U-tube boilers, dynamic thermal-hydraulic behaviour 2−17861
oil-fired steam generator, corrosion in regenerative air pre-heaters, math. model *(Rumanian)* 2−12457
on-board communication equipment engineering models of Communication Satellite-2, design and characts. 2−6810
one-dimensional modelling of tidal power schemes 2−23181
optical periodic waveguides, microwave modelling 2−1698
optimum size of small run of river plants, tropical river regions and less developed countries 2−27797
performance analysis of a DC drive electromechanical system with elastic coupling and pulsating load torque 2−23664
permanent magnet AC machines, transient performance 2−18178
physical model for magnetic brush development in xerographic machines 2−18829
PM synchronous machine, electronically operated, magnetic field model 2−4061
point-to-point PCM transmission systems, service availability 2−10892
power distribution system cost model and its application to optimal conductor sizing 2−27477
power invertor, auxiliary impulse commutated, bridge type, math. model 2−4302
power system, steady state regimes, anal. *(Russian)* 2−3702
power system computerised control system reliability *(Russian)* 2−19041
power system disturbances, coherent generators identification using frequency response 2−3691
power system dynamic response with limited variations in voltage and frequency, modeling procedure 2−12176
power system dynamics simulation, system components model 2−22836

modelling continued
power system load-curve forecasting for USA regions, QUERI model appls. 2−27419
power system network process analysis using mathematical and physical models *(German)* 2−17669
power system network processes, mathematical and physical models for computation, derivation *(German)* 2−17668
power system planning, using 'Dimensionnement' optimisation model *(French)* 2−12198
power systems, large scale, dynamic behaviour anal. 2−3684
radiating source emission and susceptibility levels determ., using TEM cell 2−3269
real losses and temperatures in magnetic amplifiers at high frequencies *(Russian)* 2−15659
real-time simulation modelling of GTD-5 EAX 2−26344
record player drive mechanism, dynam model 2−4392
recording on magnetic tape, digital *(Polish)* 2−1574
resistive meshes solution, by deterministic and Monte Carlo transmission-line modelling 2−2171
RFI, pulse-modulated, smooth, probability-amplitude distribution model 2−15734
rotary in-mould EM stirring in cylindrical continuous casting geometry 2−18765
safety system fuzzy statistics model 2−4630
satellite orbits, perturbations due to radiation pressure 2−22587
SENET multiplexed link, fluid approximation approach to estimate data traffic performance 2−6491
shaded pole motor, math. model 2−4135
shaded Sun sensor modelling, general approach 2−22616
single phase transformers, inrush currents calc. 2−12697
SPC switching system processor capacity, influences and specification 2−2636
speech production, digital filter modelling *(Japanese)* 2−10662
stability of a synchronous generator with AEC under excitation modulation 2−23277
starter battery discharge dynamics, equivalent cct. parameters determ., expt. and calc. 2−7982
state-space models of gravity disturbance gradients, Kalman filters design for inertial navigation system 2−6426
stator voltage controlled current source inverter induction motor drive, linearised model 2−18658
steam turbine channel turbulence partial differential equation model 2−27731
Stirling engine cycle model 2−17933
study of switch-on dynamics of a synchronous contactor and the vibration of its contacts *(Russian)* 2−28056
surface scatter model theories, review 2−15714
surge arrester protective charact., nonlinear resistor behaviour anal. 2−3798
switchgear contact behaviour against heavy fault currents, math. model *(Russian)* 2−4306
synchronous drive, with thyristor frequency convertor, math. model. 2−4391
synthesis of dynamic load models for stability studies 2−22835
Taylor-Fourier series coeffs. of single diode mixer, simplified method of obtaining 2−21133
telecommunication networks, subscriber main station demands rel. to growth, economic models *(German)* 2−21419
textural variations in B-mode ultrasonography, a stochastic model 2−12118
three-dimensional mathematical model of a linear asynchronous motor with a magnetic circuit in the form of a parallelepiped *(Russian)* 2−7873
thyristor-controlled electric motor differential equation model 2−19362
transformer heating due to single phase current, math. model *(Russian)* 2−4263
turbine-generator shafts, fatigue damage due to fast reclosing, math. model 2−23261
ultimate-heat-sink cross-flow cooling tower and basin model for transient decay heat dissipation 2−23075
volume scatter model theories, vegetation, snow and sea ice studies appl. 2−17577
Weibull's interference model, adaptive rank-type sequential detector 2−2353
X-ray film/screen systems, modulation transfer function, math. modelling 2−17315

modelling, computer *see computer-aided analysis*

models *see modelling*

modems
6.4 to 7.1 GHz band 16 QAM modem design and performance 2−2682
16-QAM techniques for digital microwave radio 2−2247
200 Mb/s 16 QAM modem for 5 GHz digital microwave link *(Japanese)* 2−21677
2400 bit/s modem for data transmission over telephone networks, microprocessor appls. *(German)* 2−2583
adaptive equaliser design for QAM system 2−2253
answer/originate modem, 300 baud 103 type 2−26313
Bilderschirmtext modem with CCD-devices, data channel realisation *(German)* 2−2501
biphone carrier system, bipolar amplitude modem chip 2−16305
burst modem for satellite packet communication 2−14036
crystal-controlled modem, data handling capacity of 300 band, low-cost design 2−6658
digital communication system based on multistation access and TDM, high speed modem design 2−16429
digital DPSK modem for 80 Kbit/sec. full-duplex data transmission system operating on subscriber loop, design and simulation 2−10890
digital DPSK modem for 80 kbit/sec full-duplex data transmission on subscriber loop, design and simulation 2−24451
equipment review 2−10885
error rate self-determination in data receivers, with transversal equaliser 2−2580
fast synchronisation modem for spread-spectrum communication system using burst-format message signalling 2−14028
half-duplex FSK data modem using Intel 8748 single-chip microcomputer 2−6659
high speed data modem using digital signal processor 2−2559
high-performance integrated analog/digital test and characterization test system 2−22104
high-speed voiceband data modem error rate performance 2−2558

modems continued
history of modem development 2−10884
home construction modem, software package 2−10886
home construction modem, testing 2−16251
intersatellite link system, wideband FM modem using GaAs FET limiting amplifier followed by discriminator, development 2−6817
Lynx modem from Emtrol Systems 2−14029
microprocessor-based, status information improvement 2−2522
Motorola 6860 based design and test program is machine code *(French)* 2−21675
multispeed modem network, modem speed monitoring 2−2523
programmable digital signal processors, voiceband modem implementation techniques 2−7066
PSK modem receivers, digital signal processing realisations 2−2585
QPSK, for regenerative satellite systems 2−11070
SAW universal modem, for satellite links *(French)* 2−16411
serial and parallel modems, comparison using HF channel computer simulation 2−2586
side-channels, using unused frequency bandwidth on leased telephone lines 2−21676
survey of 500 models 2−775
technology advances 2−16254
telephone, interface circuits for teletype and microcomputer connections *(German)* 2−9043
telephone subscriber loop, medium-term prospects for new services 2−2457
transmission via telephone lines *(Czech)* 2−10857
two-wire full-duplex data modem echo canceller structures 2−2557
V22 and V29, market survey 2−10887

moderation (neutron) *see neutron moderation*

moderators
EPRI LWR core materials performance programme progress made in 1979 and 1980 2−17905

modes, laser *see laser modes*

modular circuits *see modules*

modulation
see also amplitude modulation; angle modulation; demodulation; demodulators; modulation spectroscopy; modulators; optical modulation; pulse modulation; Schwarz-Hora effect
2 GHz DS-3 digital radio design for analogue route overbuilding 2−2685
amplitude compandored sideband modulation for land mobile radio systems 2−2697
audio amplifiers design, advanced techniques *(Spanish)* 2−22014
bandsharing spread-spectrum system with TV broadcast channels, improved use of spectrum for land mobile radio 2−2709
bit error probability of communication systems with binary-orthogonal modulation in the presence of pulsed noise *(German)* 2−15799
convertor, with reversible integrator in forward conversion channel 2−7069
digital radio links, modulation technique for increased bandwidth efficiency 2−10964
digital tranmission modulation techniques *(German)* 2−15826
digital transmission modulation techniques *(German)* 2−21269
exact theory for solving modulation problems when using multielectrode valves *(German)* 2−21263
FM spike noise and modulation theory 2−2244
frequency hopping, appln. to spread-spectrum mobile radio systems *(Japanese)* 2−26081
Gaussian filtered minimum shift keying transmission performance 2−21268
meter adaptation for tape recorders, volume level stereo balance measurement appl. *(German)* 2−11288
mobile land radio, comparisons of SSB, PM and AM systems 2−6785
mobile radiotelephone service spread spectrum and FDMA techniques, comparative analysis 2−26455
multichannel analogue TV transmission over graded-index fibres, noise, distortion and fibre length 2−11199
multichannel multiplex systems, regulator modulation amplification coeff. measuring circuit *(Bulgarian)* 2−10896
phase-changers with modulation of output circuit conductance *(Russian)* 2−18316
programmable digital signal processors, voiceband modem implementation techniques 2−7066
QPR class I modulation, coherent detect. in presence of jamming 2−15889
radio broadcasting, modulation methods, advantages and drawbacks *(Norwegian)* 2−26084
radio systems, comparison of analogue and digital modulation *(German)* 2−15818
rectangular wave, signal-to-noise ratio measurement 2−6392
rectangular wave, spectrum analysis 2−6391
satellite communications, multi-access techniques 2−21792
spread spectrum modulation, used for amateur radiocommunication 2−15816
spread-spectrum multiple access communication, error bit rate probability 2−6494
SSB data transmission systems, carrier tracking loop analysis 2−15822
SSB mobile radio systems, subjective performance of amplitude companding 2−10991
superstatistical emission noise 2−14565
syllabic companded FM, single channel/carrier satellite communications, India 2−21428
type detection using correlation of orthogonal filter outputs 2−21258
variable frequency 3-phase invertors, implementation of microcomputer for control cct. 2−12728
VHF mobile and handportable transceivers, SSB modulation appl. 2−2704
GaAs-GaAlAs LEDs, influence of bias current on modulation behaviour, modelling 2−6114

modulation factor *see modulation*

modulation index *see modulation*

modulation spectroscopy
see also electroabsorption; electroreflectance; magnetoabsorption; piezoreflectance
differential spectrometer, high precision, for quantitative exam. of surfaces 2−17149
semiconductor characterisation applications, review 2−9397
semiconductor technology, optical characterisation techniques, conf., San Jose, USA (Apr. 1981) 2−8136

modulation transfer function *see optical transfer function*

modulator-demodulators *see modems*

modulators
see also demodulators; modems; modulation
30 channel DM equipment, automatic final testing *(Hungarian)* 2−7007
AM, operational transconductance amp. appl., LM 13700 IC *(German)* 2−9042
asynchronous motors, voltage invertor-fed, with thyristors, digital control cct. *(French)* 2−7836
characteristics and specifications for compensation method appl. *(German)* 2−14030
correcting system, two-component, for synthesised interf. field form. in multimode fibres 2−20669
current control, charcts. 2−17080
delta, charcts. *(Slovenian)* 2−5149
electro-optical, IR detectors frequency charcts. meas. apparatus, 0.03 to 1 GHz 2−3159
error rate performance for 16QAM system with various degradation factors *(Japanese)* 2−19597
Faraday rotator, spectral charcts. *(Russian)* 2−24647
fin-line detectors, modulators, and switches, CAD 2−24449
FM stable modulator using phase unstable PLL 2−26079
Klaus Hencke TV modulator 958/1, cct. and description *(German)* 2−2921
microwave signal modulation in distributed IMPATT diode 2−948
minimum shift keying modulator performance in dynamic temp. environment 2−6393
ML-7 and ML-8 modulators in high freq. lamps, power supply circuit *(Russian)* 2−707
passive telemetry using simple optical transducers with fibre-optic links 2−16487
pulse width modulator IC used to enhance DC-output voltage regulator's performance 2−13940
pulse width modulators, control appls. 2−13943
PWM digital modulator, using CMOS IC, NOR gate *(Italian)* 2−19600
PWM inverter circuit, used to prevent overmodulation frequency division, 555 timers 2−5155
ring modulator with sine-wave current input, expt. and theory *(Rumanian)* 2−24450
single chip AM-FM subsystem 2−21947
sound-effect unit, incorporating ring modulator based on multiplying circui t 2−11271
SSB homodyne cct., single-band microwave modulator *(Polish)* 2−5150
Nd^{3+}:YAG CW laser radiation static polarisation-modulation charact. control using intracavity electrooptic modulator 2−20865

modules
see also CAMAC
ADC, 8 channel, digital cct. replacement by MC 6801 microcomputer *(Dutch)* 2−5330
adhesive material for attaching heat sink to cap of semiconductor module 2−104
AMP SOLARLOK connector for photovoltaic modules, reliability and maintainability 2−23634
analogue information processing, module units *(German)* 2−5131
Ansaldo data transmission system, using microprocessor-based interface modules *(Italian)* 2−6602
ASCII display module for microprocessor *(German)* 2−26771
ATE modular architecture and flexible switching, hybrid functional test system development 2−22138
ATE with analogue pin electronics capability, cost effective approach 2−22123
ATE/UUT interface 2−22132
ATM 80 process computer family, control units for power supply modules *(German)* 2−28032
avionic multiprocessing system, protocol level modules 2−22678
battlefield sensor, artillery delivery, gun-hardened module design, electronic packaging 2−22231
built-in substrate tilt for magnetic bubble memories 2−1588
ceramic chip carrier, flip chip bonded ground plane 2−14545
chip layout design, automatic routing method, duality between channel areas and module placement 2−1433
chronometer, IC clock module appl. *(Italian)* 2−7219
CMOS LSI switch-array module *(German)* 2−19654
computer module rework and repair process for fully-populated board 2−5422
conduction cooled module for semiconductor chips 2−103
DC-DC convertors, switching techniques, range of 1 W-1 kW, system power supply appls. 2−7927
DEC memory systems market forecast 2−24539
decapsulation of silicone potted electronic assemblies by US stirring, failure analysis appl. 2−4662
direct-sealed multi-chip module 2−13291
dry-reed contacts operated by permanent magnets, test method 2−5414
electrical modules substrate containing semiconductor chips 2−98
electronic, comprehensive test program set diagnostics 2−22120
electronic equipment, packaging, enclosure standardisation trends 2−18996
electronic packages, modules with multilength pins 2−95
flat plate photovoltaic module cell temps., tests in simulated field conditions 2−23552
flat plate photovoltaic modules encapsulation systems, thermal and optical performance 2−23540
flex-rigid packaging scheme using combination of rigid PCBs connected with printed flexible cables 2−4663
hermetic removable cap for reworking 2−23997
high density packaging technology, chip and wire multichip package 2−23992
HP Model 3497A data acquisition/control unit, plug in assemblies 2−7051
HV power supply modules with const. output power over wide range, flyback convertor techniques 2−7929
hybrid IC, top surface divider for modules allowing different types of mounting configurations of chips 2−24840
IC chip heat spreader embedded in thermal grease, heat conduction to module encapsulant 2−96
IC memory modules, placement in same substrate area 2−23996
IC modules, sensor for humidity testing *(Hungarian)* 2−23995
Josephson technology, engineering change wiring modifications 2−15247
Josephson technology package, assembly and retention of comp. parts 2−15248

modules continued
LOGISAFE safety system, building element level, safety proof of modules, failure effect anal. *(German)* 2−8234
memory boards and systems trends 2−24540
modular linear actuator with flat coil voice coil motor 2−18402
multi-chip modulues, pin substrate 2−100
OEM power supplies, higher efficiency, lower cost, developments review 2−28016
packaging, electronic equipment, Profitronic range of rectangular sectioned Al extrusions, design and appls. 2−107
packaging, heat dissipation increase by extension of electrical input-output pins 2−18999
packaging, modular mechanical 19 in. systems 2−106
panelware, keyboards, enclosures and panel manufacture, state-of-the-art 2−108
PC card program vias at standard hole locations to increase card wirability 2−19945
PC modules in manufacturing process, computerized control, interactive on-line paperless system 2−14511
PCB module pin/line cct. capacitance meas. test fixture, interface with bridge instrument 2−19936
photovoltaic arrays, effects of cell sorting and module matching on array output 2−23554
photovoltaic arrays, flat-plate design techniques, review 2−23550
photovoltaic module and array reliability 2−23606
photovoltaic module hot spot durability design and test methods 2−23598
photovoltaic modules, defective cell detect. through photoresponse modulation 2−23604
photovoltaic modules, elec. insulation systems, defect design 2−23574
photovoltaic modules, field failure mechanisms 2−23597
photovoltaic modules, high efficiency, design, fabrication and performance 2−23575
PIN module for high accuracy and timing control in ATE systems 2−18984
pins and substrates attaching method 2−102
PLA and FPLA, use of MPP-805 universal programmer *(German)* 2−5189
point-focus photovoltaic concentrator modules, compatibility of Fresnel lens and photovoltaic cells 2−18574
porcelainized-steel-substrate hybrid cct. module, design, construction and evaluation 2−5496
pressure electronic scanner, microprocessor-controlled, for installation in wind-tunnel models 2−11992
real-time performance testing of photovoltaic concentrator modules 2−16844
reliability and maintainability review methods for partially alarmed hardware modules 2−147
replaceable logic card cartridge 2−8271
self indicating switches 2−993
semiconductor chip module packages, thermal charcts. 2−19003
semiconductor module, method of fabrication using transverse via technology 2−1047
semiconductor power module, clampless and springless pressure mounted 2−8273
semiconductor power modules, CKD Semiconductors product *(Czech)* 2−18323
shock-proof module package 2−93
signal processing, microprocessor-based, for analytical instrumentation 2−3099
single-chip module, back-bonded chip-interposer packaging scheme 2−4656
solar cell arrays, series/parallel module circuit designs, shading and cell defect effects 2−23600
solar cell arrays, V-groove faceted reflector for enhanced module output 2−23633
solar cells, Si, high-efficiency, Matsushita development *(Japanese)* 2−4350
solderless package concept for electronic equipment 2−90
space photovoltaic generator, design and testing, rational approach 2−22696
spring cooling slugs transfer device and carrier 2−94
SSB-transceiver module using Plessey SL 600 ICs *(German)* 2−10992
stacked module approach for mixed IC technology packaging ceramic substrate, advantages 2−24818
stacking method employing metallized tape 2−23998
standard electronic modules, thermal analysis using superposition method 2−8269
switchgear, MV, secondary equipment constructional features and design *(German)* 2−28035
terrestrial photovoltaic modules, encapsulation system design 2−23500
terrestrial photovoltaic modules, field test sites, array reliability, failure mechanisms 2−23599
Texas TI-30 calculator interface to GIM voice synthesis module 2−14243
thermal compression cooled module/PCB interface using spring array carrier, reverse pin guidance system 2−1045
thermal equaliser 2−19000
thermally conductive elastomeric cap for a module containing semicond. chip 2−23999
thermoelectric module for space reactor 2−17918
thin film module pacakge, 45 degree wiring layers for chips mounted on ceramic substrate 2−4659
tile circuit package 2−4660
VLSI chip carrier, high speed multilayer ceramics 2−4658
VLSI multichip modules, testing 2−5213
zero risk net analysis for insulation resist. testing of component carriers 2−18976
Si chip module. removable/reusable cap 2−101

modulus, Young's *see Young's modulus*

moire fringes
compressible flow density gradient meas., by noise deflectometry 2−11998
deformation measurement, in-plane, using holographic moire 2−15562
depth contour generation by improved two-beam interference method, two methods *(Japanese)* 2−2033
gear pitch error meas., spiral bevel type *(Chinese)* 2−16893
stress measurement techniques for three dimensional components *(Spanish)* 2−17181

moistening *see wetting*

moisture control
see also humidity control
No entries

moisture measurement
see also humidity measurement
capacitance grain moisture meter testing using reference materials, savings assessment 2−17176
change-flow transistor oscillator moisture sensor, IC implementation 2−11656
chemical industry, meas. techniques development, problems and tendencies 2−7238
chemical industry, moisture measurement techniques, problems and developments *(German)* 2−7239
fish meal, unground, two-parameter meas. using horn applicator 2−26991
IR photometric analyser appl. 2−7095
microwave techniques appl. *(German)* 2−22450
MOS device for AC meas. of surface impedance 2−22239
permittivity of solid and water mixtures, using evanescent waveguide technique at 9 GHz 2−26938
residual gas analysis, mechanism for dependence of moisture detection sensitivity on gas composition 2−17167
soil moisture meas., microprocessor-based instrumentation 2−22095
soil moisture microwave remote sensing, dielec. const. depend. on H_2O content 2−17179
thin film sensor characts. 2−7072
wastewater treatment filter cake automated moisture measurement 2−11672
LiCl heated moisture detector, mathematical model of operation *(Russian)* 2−3109

molecular beam epitaxial growth
high vacuum evaporation process, epitaxy by molecular jets *(French)* 2−8820
III-V semiconductor devices, MBE progress 2−24308
modulated barrier photodiode: A new majority-carrier photodetector/ 2−1797
ohmic contacts and layer structures fabrication 2−5709
review of European developments in MBE, 1979-80 2−8814
semiconductor, ultrafine 2−1143
semiconductor film growth, Si and compound semiconductors 2−13814
semiconductor films for microwave devices, better processing by MBE for improved device qualities 2−5003
stripe-geometry laser with in-situ ohmic contact and self-aligned ntive surface oxide mask using MBE 2−25780
surface and kinetic effects, review 2−4985
technology, review 2−13831
three-dimensional microelectronic structures fabrication by MBE 2−9548
workshop, Ithaca, NY, USA (Oct. 1980) 2−9
(Al,Ga)As/GaAs heterostructures, modulation doped, current transport and high speed FET appls. 2−9651
(Al,Ga)As/GaAs heterostructures, molecular beam epitaxy growth 2−19415
Al MBE growth on GaAs, TEM and Rutherford backscatt. study 2−24287
(AlGa)As DH lasers, MBE grown, CW aging 2−20876
(AlGa)As DH lasers, molecular beam epitaxy for optical communication systems 2−20896
AlGaAs-GaAs heterojunction gate JFETs by organometallic and MBE, for high speed logic appls. 2−25225
$Al_xGa_{1-x}As$ epilayers, MBE, protection during ambient transfer 2−4999
$Al_xGa_{1-x}As$, epitaxial layer, MBE growth 2−8822
$Al_xGa_{1-x}As$ grown by MBE, photoluminescence studies 2−10125
$Al_xGa_{1-x}As$ MBE layer, Al-Ga disorder 2−1171
$Al_xGa_{1-x}As$ p-n junction solar cells, grown-in deep-level defects 2−23616
$Al_xGa_{1-x}As$:Sn, MBE grown, photolum. spectrum, As/Ga flux ratio effect 2−1793
$Al_xGa_{1-x}As$-GaAs heterostructure, modulation doped, MBE grown, electron mobility study 2−5604
$Al_xGa_{1-x}As$-GaAs quantum-well heterostruct. lasers, MBE growth, clustering and phonon effects 2−6227
$Al_xGa_{1-x}As$-GaAs quantum-well heterostruct. lasers, MBE grown, alloy clustering, photoluminesc. study 2−25792
$Al_{0.48}In_{0.52}As$:Be, MBE grown, Be doping 2−567
$Al_{0.48}In_{0.52}As_{0.52}As/Ga_{0.47}In_{0.53}As/Al_{0.48}In_{0.52}As$ DH laser, MBE- grown 2−6216
Au/ZnSe:Mn/n-GaAs, MBE DC electroluminescent cell with very low threshold voltage 2−10163
BaF_2 film, MBE grown dielectric 2−13826
CaF_2 film, MBE grown dielectric 2−13826
$Cd_xHg_{1-x}Te$, molecular beam epitaxy on CdTe 2−580
CdTe, molecular beam epitaxy on CdTe (100) and (100) 2−579
$Ga_{1-x}Al_xAs$ n^+/p^+ tunnel junction, MBE, ohmic contact for cascade solar cell 2−4345
$Ga_xAl_{1-x}As$ MBE growth, volatile metal oxide incorporation 2−5002
GaAs (110), models of column III and V element overlayers, appl. to MBE 2−5000
GaAs, epitaxial layer, MBE growth 2−8822
GaAs, IC fabrication, selective epitaxy and electron beam lithography 2−5823
GaAs MBE growth, volatile metal oxide incorporation 2−5002
GaAs monolithic ICs, material props., epitaxial crystal growth, ion implantation, metallization *(German)* 2−20347
GaAs n^+/p^+ tunnel junction, MBE, ohmic contact for cascade solar cell 2−4345
GaAs periodic doping structures grown by MBE, space charge field of impurities, cond. modulation 2−5621
GaAs, rectifying variable planar-doped-barrier structures, MBE fabrication and characts. 2−1346
GaAs Schottky barrier FET, low noise, prep. by MBE 2−1369
p-GaAs substrates, modulated barrier photodiode grown by MBE 2−10147
GaAs substrates, monolayer-Sn technique for solving substrate film interface high resist. problem in MBE 2−13815
n-GaAs:S, MBE layers, electrochem. S doping 2−25143
GaAs:Si, MBE growth, effect of growth conditions on Si doping 2−8803
GaAs:Si MBE layer, doping 2−9559
GaAs/n-AlGaAs heterostructures, selectivity doped, high mobility electrons, high-speed devices appl. 2−19416
GaAs-Al, Schottky diodes, effect of substrate treatments usable in MBE 2−1345
$GaAs-Al_{0.25}Ga_{0.75}As$ multiquantum well struct., resonant degenerate four-wave mixing 2−25828
GaAs-GaAlAs integrated optical devices fabricated by MBE and metal-organic CVD 2−25541

molecular beam epitaxial growth continued
GaAs-n-AlGaAs heterostructure grown by MBE, growth temp. effect on two-dimens. electron gas mobility 2−5606
GaAs-n-AlGaAs heterostructure, MBE gram. effect of annealing on elec. props. 2−14679
GaInAs-AlInAs structures grown by molecular beam epitaxy 2−8808
$Ga_{0.47}In_{0.53}As$, MESFETs fabrication 2−1394
$Ga_{0.47}In_{0.53}As$ uniform, MBE growth with rotating sample holder 2−8801
$Ga_{0.47}In_{0.53}As$:Be, MBE grown, Be doping 2−567
$Ga_{0.47}In_{0.53}As$:Sn, MBE layers, elec. props. 2−14639
$Ga_{0.47}In_{0.53}As$-$Al_{0.48}In_{0.52}As$ heterojunction, MBE, modulation doped, electron mobility 2−25046
$Ga_{1-x}In_xAs$ graded band gap layers, ohmic contacts to n-GaAs grown by MBE 2−5613
$Ga_xIn_{1-x}P$-GaAs MBE DH, interface recombination vel. and misfit strain, photoluminescence study 2−9480
GaSb:S MBE film, S doping with H_2S gas 2−20187
Ge-GaAs interface grown by MBE 2−1217
Ge-GaAs superlattices, MBE growth 2−5001
InAlAs/InGaAs MBE layer structs., ion beam anal. 2−19413
InAlAs-InGaAs interface, MBE, channelling anal. 2−5610
InGaAs, reduction in dislocation densities in MBE step graded growth 2−8804
$In_{0.53}Ga_{0.47}As$ very shallow junction gate struct., MBE growth, elec. characts., JFET device appls. 2−14867
$In_xGa_{1-x}P$, MBE growth on GaAs, at high substrate temps. 2−14643
InSb, MBE, RHEED study of free Sb surface lifetime on InSb 2−19436
$Pb_{1-x}Sn_xSe$ DH laser, CW operation at 80K 2−1961
Sb, MBE, RHEED study of free Sb surface lifetime on InSb 2−19436
Si, background and dopant impurities in film and film-substrate transition region, elec. transport 2−1153
Si bipolar junction transistor fabricated using MBE 2−9630
Si, MBE films, dislocation density, growth conditions depend. 2−583
Si Schottky mixer diode, low barrier height, using super thin Si films, MBE fabrication 2−9611
Si:Ga(Sb), MBE grown, sharp profiles with high and low doping levels 2−9551

molecular beams
see also particle velocity analysis
ion beams from tandem accelerators 2−11701
maser, mol. beam, operated with disc resonator, bistability of elliptically polarised oscill. 2−20768
piezoelectric pulsed nozzle molecular beam source 2−27028

molecular bonds *see bonds (chemical)*

molecular excitation *see beam-foil spectra; discharges (electric); molecular fluorescence; optical pumping; photoionisation*

molecular fluorescence
fast fluorescence waveform averager, microprocessor-controlled 2−11362
fluorophores in surface waters, laser fluorosensor meas. 2−3632
7-hydroxy-6-glucosido coumarin, dye laser system, solvent effects, laser emission, UV, visible and fluoresc. obs. 2−20844
organic dyes, Ranipal and Ranipal-S, lasing action, spectral study 2−20843
CO_2 waveguide laser, parameters of active medium by luminesc. study 2−20810
$^{13}CO_2$ laser hot band transitions, heterodyne freq. meas. 2−10327
$CO(A^1\Pi)$, laser induced fluoresc., appl. in CO(A-X) electronic laser 2−1838
HBr, electric discharge laser, kinetic model 2−15462
I_2 cells verification for stabilised lasers, using Hanle effect 2−10325
$^7Li_2$ laser transitions asignment, Ar^+ and Kr^+ laser pumping 2−6151
Na_2 optically pumped laser lines, fluorescence spectra obs. 2−10210
OCSe, broadband Xe_2* fluoresc. dissoc. 2−10212

molecular hyperfine structure
$^{127}I_2$, absolute wavelengths of hyperfine compounds determ. by using CW tunable dye laser 2−20995
$^{127}I_2$, stabilised He-Ne lasers international comparison 2−20802

molecular internal conversion *see nonradiative transitions*

molecular internal mechanics *see molecular vibration*

molecular intersystem crossing *see nonradiative transitions*

molecular relaxation *see molecular fluorescence; molecular spectra; time resolved spectra*

molecular rotation
see also molecular spectra
chain-reaction chemical laser, energetics anal. allowing for rot. nonequilib. 2−20822
H_2O vapour supersonic expansion, far-IR radiation generation 2−25705

molecular rotation in solids *see nuclear magnetic resonance; plastic crystals*

molecular rotation-vibration
$^{13}CO_2$ laser hot band transitions, heterodyne freq. meas. 2−10327
H_2O diffusional gas-dynamic lasers, submillimeter-range radiation generation 2−25704
H_2O vapour supersonic expansion, far-IR radiation generation 2−25705

molecular rotational states *see molecular rotation*

molecular rotational-vibrational coupling *see molecular rotation-vibration*

molecular rotational-vibrational states *see molecular rotation-vibration*

molecular spectra
see also macromolecular spectra; molecular fluorescence; molecular rotation; molecular spectral line breadth; molecular vibration; multiphoton spectra; spectra of organic molecules and substances
KrF_2 absorption spectrum, 115-190 nm 2−1893

molecular spectral line breadth
7-hydroxy-6-glucosido coumarin, dye laser system, solvent effects, laser emission, UV, visible and fluoresc. obs. 2−20844
$^{127}I_2$, absolute wavelengths of hyperfine compounds determ. by using CW tunable dye laser 2−20995

molecular vibration
see also molecular spectra; molecular vibration in solids
anharmonic oscillators, vibrational exchange cycles 2−6141
methyl fluoride, optically pumped, vibr. matrix elements determ. using heterodyne meas. of two-photon splittings 2−25703
CO_2 gasdynamic laser, gain and vibr. temps. meas. and calc. 2−25718
CO_2 waveguide laser, 00^01 vibr.-level lifetime meas. 2−20936
H_2O diffusional gas-dynamic lasers, submillimeter-range radiation generation 2−25704
$^{14}NH_3$, $^{15}NH_3$, far IR laser lines predictions for CO_2, N_2O pump laser lines 2−25701

molecular vibration in solids
SiO_2 optical fibres, GeO_2 doped, OH overtone vibr., Raman spectra 2−25518
molecular vibrational states *see molecular vibration*
moments (magnetic) *see magnetic moments*
momentum
electron beam diode, relativistic, momentum distrib. and instability 2−1109
monitor programs *see supervisory and executive programs*
monitoring
see also patient monitoring; radiation monitoring
access control monitoring system 2−4612
acoustic emission monitoring of fossil fuel power plants, critical assessment 2−18003
Advanced Passenger Train, prototype, reliability monitoring 2−23694
air pollution, technique *(German)* 2−27302
automatic monitoring of the technical condition of relay protection systems and anti-fault controls *(Russian)* 2−12300
automobiles, speed sentry alarm system for monitoring of vehicle speed 2−8055
batteries and cells voltage, Mn-Zn and Hg-Zn 2−17065
battery, automatic charging current control cct. *(German)* 2−12723
butt weld, automatic interpretation of radiographic monitoring 2−633
chemical plant, N production, energy consumption monitoring, optimum utilisation *(Russian)* 2−18821
chemical wastes storage, fluid-flow monitoring using EM probing 2−7440
coatings, thin current conducting method of monitoring 2−7185
control and monitoring system communications for effective energy use 2−12149
conveyor belt laminated material automatic strain monitoring system *(Russian)* 2−26995
corrosion experience in large steam turbines, monitoring and control 2−17979
data line monitor for problem isolation and resolution 2−7020
decentralised automatic TV transmitter monitoring system 2−11163
designing solid-state circuitry for use in hazardous locations 2−18943
dielectrics diagnostic method using thermal noise 2−7188
digital multimeters, appl. to process and machine monitoring 2−7142
domestic premises, two-way cable TV appl. 2−16685
electrical plant condition monitoring 2−23955
electronic security monitor for office equipment, low-power FM transmitter/receiver system using AC power line 2−2660
emissions from thermal power stations, automatic monitoring and control equipment, in USSR 2−17586
fan speed monitoring cct., using multiplexing for checking 6 units simultaneously 2−26963
films, thin current conducting method of monitoring 2−7185
fission reactor fuel element response determ. by fission product monitoring by gamma-ray *(Croatian)* 2−27642
fossil-fuel power plant monitoring programmes and systems 2−18024
gas density, Pb-salt diode laser tunability utilisation 2−12081
gas density automatic meas. system 2−7018
governing and protection system of 200/210 MW steam turbine 2−27711
graphite fibre reinforced epoxy laminate, fatigue damage monitoring by US mapping 2−5043
grazing dynamics monitoring using multiple electrode impedance plethysmography system 2−27113
grinding mill trunnion bearings, protective instrumentation 2−26957
HV pulse monitor system for flash-chamber neutrino detector 2−27080
hydroelectric power stations, process computer control 2−3964
Inconel 600, corrosion in LWR coolant by cationic resin beads 2−7674
leadership styles and planning and monitoring techniques in R&D 2−4598
lighting energy consumption monitoring techniques and results 2−4466
LMFBR cladding breach monitoring by solid state tagging of fuel element surface 2−17910
load monitor with logic output for supervisory functions *(German)* 2−28283
machine insulation overheating, identification and location by remote sensing, use of condition monitors 2−12580
machining load current monitoring *(Russian)* 2−26930
mains failure rapid detection unit 2−7582
maintenance, online monitoring in developing countries 2−8238
maximum demand control in factories, economic advantages and equipment 2−22802
metallic glasses, structural relaxation, US pulse-echo obs. after annealing 2−13888
micropower, analogue alarm-type monitor circuits, design methods 2−9168
Mk. 5 OMD, microprocessor based oil mist detection system 2−22073
noncontacting radiometric type density or level monitoring instrum. 2−17144
nuclear fuel reprocessing facilities, online computer system for continuous criticality 2−7692
nuclear power station, diagnostic monitoring equipment, experience at Bruno Leuschner *(Czech)* 2−17836
on-line observability determination for power system monitoring 2−7508
online diagnostic instrum. in nuclear power plants, experiences 2−12365
online monitoring and surveillance equipment, reliability and cost effectiveness 2−8240
online surveillance and monitoring of plant reliability, conf., London, England (Sept. 1980) 2−8236
outdoor intrusion detection systems, influence of meteorological phenomena 2−13253
plant condition monitoring, economic aspects and choice of system 2−8237
plant condition monitoring in Japan, trends 2−8239
pollution monitoring using automatic instrument *(Italian)* 2−3097
power installation development and dispatch control status and prospects 2−27336
power system operating disturbances, generating unit mechanical and electrical system interaction 2−3790
power systems, protection, monitoring and control as integral part of design process 2−17653
railway contact network voltage monitoring during faults, use of transducer *(Russian)* 2−26816
railway signalling equipment power supply voltage and phase-sequence monitors for change-over *(German)* 2−18685
railways, signalling monitoring and control *(French)* 2−23697
recovery boiler operations, digital computer control 2−23106
monitoring continued
remote monitoring of vacuum closures 2−28069
residential air conditioning and space heating control test programme 2−17657
road traffic overtaking data recording, appl. of video instruments 2−21984
slow scan TV digital monitor *(Polish)* 2−21949
solids concentration and flow meas. of slurries and sludges using US sensors 2−11668
SSB transmissions, CRT selection, power supply cct., amateur constr. 2−10975
static control materials, surface resistivity monitoring, fixture design, quality control 2−17094
steel, cleavage controlled instability monitoring by AE 2−13871
steel, mild and structural, AE associated with fracture processes 2−13876
steel, pressurised water reactor, review of AE appl. 2−8870
steel, stainless 304, corrosion fatigue and AE anal. *(Japanese)* 2−24344
steel, structural and weldments, AE rel. to deform. and fracture 2−13877
stored-program control for monitoring- and safety-functions *(German)* 2−4626
stressed struct. surface coating technique to detect open cracks 2−630
telephone cable, moisture damage, electronic monitoring system 2−16319
telephone exchange clock failure monitor using JK flip-flops 2−14245
television monitors, electronic zone plate and related test patterns 2−16627
thunderstorm electricity [measurement and techniques] 2−3607
torque, primary mill productivity increase 2−11629
transducers, instruments and measurements in the process industries 2−26813
turbine-generator monitoring for operational integrity 2−7703
turbine-generator thermal performance monitoring system development 2−17973
turbogenerators, shaft vibration and direct phase angle meas. *(German)* 2−27654
turbomachinery shutdown decisions, spectral analysis and other methods 2−27874
VAL system (Light Automatic Vehicle) for Lille Metro *(French)* 2−8045
video signals during broadcasting *(Polish)* 2−2883
wrenches torque control device *(Russian)* 2−26967
Cu wire, nondestructive monitoring by eddy-current method 2−619
H_2SO_4 vapour in combustion gases, continuous meas. by portable automatic monitor 2−22431
W source quality and intensity monitoring system for individual chip-joining tool 2−4646
monitoring, computerised *see computerised monitoring*
monitors *see monitoring*
monitors (computer software) *see supervisory and executive programs*
monochromators
see also X-ray monochromators
relativistic nuclei accelerators, quasi-monochromatic gamma-ray source *(Russian)* 2−17229
triple axis spectrometer, neutron beam reflected from Zn(002) monochromator, contamination meas. *(Czech)* 2−7301
monolithic integrated circuits
see also bipolar integrated circuits; field effect integrated circuits; large scale integration
1K RAM, in LSI packaging that passes PIND test 2−25296
4 bit A/D convertor using LM 3914/3915/3916 ICs *(Italian)* 2−19734
active ICs used by East German railways *(German)* 2−20352
AD7546 16-bit digital/analogue convertor 2−5263
AEG-Telefunken, single-chip radio receiver ICs *(German)* 2−11175
AF amplifiers, computer-aided evaluation of transient intermodulation distortion 2−751
AM stereo decoder IC 2−2894
analogue LSI, employed in redesign of static DC drives 2−8986
analogue multiplexer/demultiplexer chips for ten-channel appl. *(German)* 2−22188
audio power amplifier with volume and tone control 2−13995
automated chip design, existence of kernel functions for logical wire connections 2−25322
automated design of ICs, development systems *(German)* 2−19503
Bi-FET op. amp. 441, appls. 2−13976
Bi-FET op. amps., LF441 2−8988
BiMOS op. amp., for low voltage operation 2−19565
capacitive pressure transducer, designed into chip for biomedical appl. 2−11889
cell assembling language, directs realisation of data processing units for ICs 2−19508
Center for Radiation-Hardened Microelectronics (CRM) at Sandia National Laboratories, NM, USA 2−9723
chip carriers advantages and disadvantages *(Swedish)* 2−23993
chip-carriers, PCB requirements *(Swedish)* 2−23994
chronometer, IC clock module appl. *(Italian)* 2−7219
communication ICs 2−6495
compare-equal checking of outputs of pairs of identical chips for reliability improvement 2−14909
complementary bipolar-FET IC struct. array and main memory appls., isolated process 2−1411
computer-aided latchup anal. 2−14907
consumer industry products appls. *(German)* 2−5764
custom circuits, specification, design and simulation 2−9679
custom design of Si ICs, Plessey developments 2−1422
custom IC devices test planning 2−18986
custon ICs, testing and debugging 2−20277
CVD system, computer control, use in processing of Si wafers and sapphire and spinel substrates 2−25292
D/A convertor with 14-bit revolution 2−19738
defence and aerospace appl., Plessey developments 2−3555
design and fabrication, comprehensive curriculum at Purdue University 2−8176
developments, review 2−14042
dielectrically isolated ICs for HV, high temp. appls. and radiation tolerant devices 2−9724
education program at University of Arkansas 2−8179
electromagnetic solid state switch based on Hall effect and mag. cct. 2−19915
electrostatic discharge failures, failure models and recommendations 2−14821
fabrication, operation, applications, book 2−13197
future device technologies, overview 2−20382

monolithic integrated circuits continued
GAP-01, review, appl. as sample-and-hold amplifier and synchronous demodulator 2−9039
gate arrays, market survey, future growth *(Italian)* 2−24473
gigabit electronics appls., signal processing, Josephson technology *(German)* 2−5783
Hall effect devices, combination of Hall cell and differential amplifier in IC package 2−20276
high-reliability active chips micropackaging techniques for space electronics components 2−1080
how parts fail 2−19044
innovative integrated circuits *(French)* 2−14925
instrumentation amplifiers, LM363 family from National Semiconductor 2−8990
insufficient diffusion, SEM meas. *(German)* 2−14766
integrated sensors, Si chips containing both sensors and circuitry 2−16935
interconnection overview 2−14371
internal heating, heat propag. processes between p-n junctions *(Russian)* 2−9699
ion implantation in microelectronics, bibliography 2−23878
JFET-bipolar op. amp., low-voltage micropower operation 2−19566
laser beam wafer processing for hybrid and monolithic IC technology 2−15595
laser trimming, automatic focusing and alignment 2−14949
LSI constituent materials, radioactive determ. of U and Th and α-particle meas. *(Japanese)* 2−25280
LSI custom digital circuits, testing methods and equipment 2−14964
manufacture, contaminant identification in semiconductor processing 2−1412
manufacture at RIFA, Swedish components manufacture in Ericsson Group 2−14897
medical applications 2−22521
microelectronic circuits, electromagnetic interference determination 2−21128
microelectronic circuits, methodology for EMC analysis 2−21129
microelectronic packaging and interconnection, future trends 2−13289
microelectronics, effect on employment in western economies 2−8331
Microelectronics Center of North Carolina, educational and research program in computer science and ICs 2−8175
microelectronics developments and technical advances *(German)* 2−14165
microelectronics symposium, Starkville, MS, USA (May 1981) 2−8154
microelectronics trends and impact on electronic products 2−14961
microwave T/R module architecture for advanced fire control radar systems 2−21869
MIL specs for semiconductor devices and ICs 2−14902
MOSFET/bipolar combination on single chip for improved power speed performance 2−1400
MT8980, DX IC for digital switching appl. 2−26333
multijunction HV solar cell 2−7999
multilayered ceramic top brazed flat packs, moisture effects 2−13294
nuclear and space radiation effect, conf., Seattle, WA, USA (July 1981) 2−18849
open loop programmable amplifier, with extended freq. range 2−19561
operational amplifier 741, design and operation 2−749
operational amplifiers, advantages for particular appls. 2−13975
p-n junctions, Si ICs, dynamics of charge collection from alpha-particle tracks, computer simulation 2−5796
photoswitching units having photo-logic circuits *(German)* 2−10138
plasmatron high-rate sputtering methods and appls. in microelectronics, hybrid microelectronics and electronics 2−19450
Plessey Semiconductors Ltd. developments 2−1421
printed circuits having hybrid IC and IC elements, thermal analysis *(Hungarian)* 2−19970
projection photolithography for IC fabrication, ideal system, multilevel resist. approach 2−20369
radiation hardening, α-particle shield using cured latex emulsion between chip and substrate 2−25286
radio paging receiver, fully integrated 2−21753
reliability and quality assurance, testing during life cycle, mass production aspects *(Japanese)* 2−8314
review, history and development 2−14919
single chip AM-FM subsystem 2−21947
small-signal RMS rectifier *(German)* 2−5083
solar battery, monolithic series-array, contoured oxide 2−12866
solar cells, multicolour, shorting junction 2−23629
solid-state circuits conference, Freiburg, Germany (Sept. 1981) 2−18869
speech ICs, general description 2−10654
stereo-decoder ICs TCA 4510, 4511 *(German)* 2−16701
structured VLSI design 2−5766
switch circuits, charact., technology *(German)* 2−5765
switching, zero voltage, room temperature control appl. *(German)* 2−9160
technological trends, Indian status 2−14742
telecom ICs, introductory overview and applications to digital exchange systems 2−21704
telephone line switching IC *(French)* 2−16303
thin film deposition technologies, for monolithic ICs 2−24323
TL783 adjustable regulator, 125 V differential 2−13937
tone decoder chips 2−14026
TV modulator IC operation, LM 1889, amateur appl. 2−6921
TV vertical deflection circuits, monolithic implementation *(Russian)* 2−6929
very high speed ICs, technologies and tradeoffs 2−14915
VHSIC, design, architecture, software and testing, overview 2−14916
VHSIC technology, role of reliability and accelerated testing 2−9722
VLSI, highly automated semi custom design approach 2−20365
VLSI, LSI, design using gate arrays, state of art, problems and solutions 2−19644
VLSI, physical limitations of integration and size reduction 2−14934
VLSI, SEM/TEM in process development failure analysis 2−9711
VLSI, shortest path searching algorithm, wave front propagating in four quadrants 2−14960
VLSI and LSI chips, probabilistic model for global wiring 2−20354
VLSI circuit layout and design 2−9067
VLSI circuits, herarchical CAD system 2−9721
VLSI design methodology, role of CAD tools 2−20364
VLSI design strategies and tools 2−5767
VLSI fabrication, second generation step-and-repeat aligner 2−1420
VLSI LOCOS technology, local oxidation of Si, two-dimens. process modelling 2−20377
VLSI technology, conf., Maui, HI, USA (Sept. 1981) 2−18870

monolithic integrated circuits continued
VLSI technology, electron beam and optical stepper lithography, hybrid combination, IC and mask manufacture 2−9539
VLSI testable design 2−14078
voltage regulator, 723, stabilized 60V supply prod. by floating 2−5084
yield statistics in terms of composite model 2−14921
Al film metallisation, reaction kinetics with phosphosilicate glass passivation 2−14810
GaAs monolithic ICs, material props., epitaxial crystal growth, ion implantation, metallization *(German)* 2−20347
GaAs monolithic solar cell arrays 2−23626
GaAs, ultrabroadband monolithic amplifier 2−13978
Si, carrier transparent and device performance, influence of cryst. defects, book contrib. 2−1169
Si ICs, blood compatibility of components and materials 2−7343
Si microelectronics impact in industry 2−13142

Monte Carlo methods
40 MHz bandlimited nonlinear QPSK satellite channel uplink noise effect simulation 2−6806
alkali atom optical pumping process and polarised alkali ion sources 2−3348
communications traffic simulation techniques, Monte Carlo method, random number generation and Markov chains *(Japanese)* 2−15968
conditional Monte Carlo, optimal formulae 2−8461
cyclohexanone, electron beam current penetration in semi-infinite slab 2−13864
digital simulation, variability, empirical study 2−16449
dipole magnetic calc. for vel. filter SHIP and fusion expts. computer simulation 2−3432
electron beam lithography, proximity effect correction 2−25310
estimation of wind system performance and economics using unit availability criteria 2−4004
foil perturbations in three-region fuel cell, estimation by Monte Carlo methods 2−7986
goodness-of-fit tests, two location and scale-free tests 2−13445
high-throughput electron-beam lithography, mutual repulsion effects, computer Monte Carlo simulation 2−20308
hot carrier cond., transient regime, Monte Carlo and Boltzmann eqn. iterative solns. 2−24940
industrial systems involving maintenance and repair, computer simulation 2−4752
interval procedures, Monte Carlo studies, optimal allocation of computer time 2−19118
ion beam exposures profiles in PMMA, computer simulation 2−25117
light propagation in random medium with large-scale discrete inhomogeneities statistical moment of wave field, Monte Carlo method 2−2155
many-layered heterostruct., hot electron vel. correl. and diffusion 2−25058
matched proportions, Bayesian tests 2−8495
metallisation, electromigration failure model, Monte Carlo calcs. 2−14809
MIM cathode, modelling of electron emission 2−9358
MOSFET, small geometry, Monte Carlo anal. of sensitivity of threshold voltage 2−25221
multimode-fibre link with imperfect joints, power losses against offsets 2−15308
n-octane liquid scintillator, low energy proton and electron responses 2−7276
NE213 liquid scintillator, absolute detection efficiency for 50-450 MeV neutrons 2−27044
nonrandom numbers use 2−225
normality, re-appraisal of tests 2−8462
one-sided tolerancing, Monte Carlo method, appl. to LF power amplifier 2−19571
optimal selection from random sequence with observation errors 2−13431
ordered treatment effects detection, completely randomised expts. designing 2−4805
organic scintillators, neutron detection efficiencies calc. using Monte Carlo computer code 2−22480
PCM transmission systems, repeater housing crosstalk 2−21709
photon detector efficiency for monochromatic photons 25 to 234 MeV 2−27033
populations, problem of selecting good populations 2−236
power system total capacity probability distribution function construction 2−27433
probabilistic load flow using multilinearisations/ 2−3732
proton interactions with O, Si, Ga, As, Au, heavy fragments energy spectra 2−14611
pulse measuring systems, self-diagnosis method 2−27084
quartz watches accuracy assessment, digital simulation based on Monte Carlo method 2−25393
radar scattering theory, appls. 2−11107
random paths and random surfaces on digital computer 2−13433
rank transform in the two-sample location problem 2−4803
RC active band pass filters, freq. dependence of statistical variations 2−19790
regression models selection by information criteria 2−24114
renewal function, simulation 2−224
risk analysis of nuclear vs. fossil-fuel economics 2−17819
Schottky barrier diode mixer characteristics, hot electron effects at high frequencies 2−5351
self-powered detectors, neutron and gamma sensitivities, Monte Carlo calc. 2−7274
semiconductor, frequency and wavevector dependent diffusion coefficient of electrons from Monte Carlo calculations 2−24906
semiconductor devices, collisional broadening effect on Monte Carlo simulation of high-field transport 2−9595
semiconductors, direct gap, minority carrier lifetime, electron beam induced current study 2−24971
semiconductors, non-equilib., hot-carrier diffusion phenomenon, Monte Carlo approach 2−24904
simplified approach to determination of the probability distribution of similarity criteria 2−8463
streamers of solid dielectrics, theoretical props., model 2−9800
survival function, max. likelihood estimation based on censored data under hazard rate assumptions 2−255
technique improvement using asymptotic moments with likelihood ratio statistic appl. 2−4751
third-harmonic emission at a two-photon resonance/ by focused beams/; optimum conversion conditions/ 2−2018

Monte Carlo methods continued
transmission line modelling, resistive meshes solution 2−2171
TRANSPORT and TURTLE, high energy charged particle optics computer programs/ 2−3319
variable energy photon source, Monte Carlo simulation 2−3347
vector algorithm methods, optimisation *(Russian)* 2−13791
VLSI and LSI chips, probabilistic model for global wiring 2−20354
Ar, electron swarm parameters 2−14551
CdTe, transient hot-carrier phenomena, method of moments for anal. 2−24935
$Ga_{1-x}Al_xAs$, hot electron transport, expt. and Monte Carlo simulation 2−24978
GaAs, impact ionisation, band struct. depend. 2−24934
GaAs semiconductor devices, collisional broadening effect on Monte Carlo simulations of high-field transport 2−9596
GaAs submicron n^+-i-n^+ diode, Monte Carlo particle simulation 2−25184
n-GaAs, transient transport phenomena 2−9443
Ge detector, on-line neutron capture gamma anal. 2−3386
Ge detectors, response to monoenergetic electron, positron and gamma ray beams 2−22479
p-Ge, hot electron population inversion in mag. field., expt. and Monte Carlo simulation 2−24942
Ge intrinsic detectors, photon response calc. up to approx. 300 keV 2−3373
Ge, transient hot-carrier phenomena, method of moments for anal. 2−24935
Ge(Li) coaxial detectors, absolute photopeak efficiency calc. in energy region 0.1-3.0 MeV 2−3371
n-InSb, electron drift vel. under impact ionisation conditions at 77K 2−5565
n-InSb, hot electrons, noise and diffusivity 2−24977
Kr, electron swarm parameters 2−14551
NaI(Tl) detector, efficiencies and parasitic pulses for spherical source system, Monte Carlo calcs. 2−3380
Si, electron diffusion coeff. 2−14613
Si, hot-electron noise calc. at 77K, Monte Carlo method 2−24953
Si, impact ionisation, band struct. depend. 2−24934
n-Si, multivalley semicond., transverse field stratification, Monte Carlo calc. *(Russian)* 2−14634
Si, transient hot-carrier phenomena, method of moments for anal. 2−24935
Te single crystal, electron transfer effect 2−24938

Moon
sub-mm heterodyne observations 2−21890

Morin temperature
see also weak ferromagnetism
No entries

m.o.s. devices *see metal-insulator-semiconductor devices*

m.o.s. integrated circuits *see field effect integrated circuits*

m.o.s. structures *see metal-insulator-semiconductor structures*

m.o.s.f.e.t *see insulated gate field effect transistors*

m.o.s.i.c. *see field effect integrated circuits*

Mossbauer effect
conversion electron Mossbauer spectroscopy using channel electron multipliers at low temp. 2−17220
GaAs:Sn, laser implantation, impurity distrib. 2−20184
$Na_4Fe(CN)_6\times10H_2O$ Mossbauer multisectional proportional resonance counter 2−27052
Si:Sn(Fe), laser implantation, impurity distrib. 2−20184

Mossbauer spectra *see Mossbauer effect*

motion picture photography *see cinematography*

motor protection *see machine protection*

motorcoaches
1500 V DC two-unit electric trains for New Zealand Railways from Hungary 2−12989
electrical scheme of 81-717 and 81-714 metro coaches, Moscow Metro *(Russian)* 2−28171
VAL system (Light Automatic Vehicle) for Lille Metro *(French)* 2−8045

motors, electric *see electric motors*

motors, hydraulic *see hydraulic motors*

Mott insulator *see localised electron states*

Mott transition *see metal-insulator transition*

movements, atmospheric *see atmospheric movements*

moving-coil instruments
permanent magnet DC motors, moving coil and slotted armature designs performance limitations 2−18271

moving coil microphones *see microphones*

moving-iron instruments
clip-round meters sensitivity increase 2−7128

moving-magnet instruments
No entries

MTL *see I^2L*

mud *see sediments*

multi-access systems
28th International Scientific Electronics Congress, Rome, Italy (March 1981) 2−18859
30/20 GHz satellite-switched TDMA microwave switch matrix design 2−2754
asynchronous reservation protocol for multiple access channel 2−21402
B_4-code length, lower bound 2−2277
bounded signal set determination for a given time-bandwidth product 2−2408
capacity region of discrete memoryless multiple access channels 2−21282
demand assigned multiple access satellite system, capacity allocation, analytical results 2−26163
demand-assigned satellite system with hybrid TD/FDMA uplink and pure TDM downlink 2−2757
digital communication system based on multistation access and TDM, high speed modem design 2−16429
digital microwave radio distribution systems in France, 1.5-GHz TDMA system and 31-GHz point-to-point link for remote telephone subscribers 2−2691
digital microwave rural telephony system, IRT 1500, telephone concentrator, facilities using TDMA techniques 2−6763
digital mobile radiotelephone system using TDMA/FDMA scheme 2−21761

multi-access systems continued
frequency-hopping multiple-access system, noncoherent and differentially coherent, max. likelihood combining 2−6788
information theory of multiple terminal systems *(Japanese)* 2−21397
Intelsat, freq. division multiple access *(German)* 2−10730
Intelsat V system, digital TDMA transmission system *(German)* 2−10731
intersatellite links, interconnection of satellite-switched TDMA networks, onboard clock sync. 2−6818
IRT 1500 rural TDMA radio subscriber loop system, UHF freq. operation, speech and telegraph 2−2686
Japan's communication satellite, TDMA experiments *(Japanese)* 2−16422
local distribution networks, hybrid access control schemes 2−2544
man-machine dialogue systems for information retrieval by large number of subscribers 2−21632
mixed-media networks, interaction between routeing and multiple access 2−16450
noiseless asynchronous multiple access OR channel, block code 2−10727
optoelectronic switching matrix for satellite-switched TDMA 2−6805
packet communication systems, URN scheme 2−21406
packet communications systems, multiaccess protocols 2−2428
polling schemes for local communication networks 2−6524
protocol with request channel TDMA and slotted ALOHA time slots 2−16173
Radio Subscriber Loop System, business information signal transmission in 26-GHz band using TDMA 2−2690
random access packet-switched code division multiple access systems, performance analysis 2−2228
random multiple-access stack algorithm 2−15970
regenerative satellites, clock recovery for DCPSK link in burst mode TDMA system 2−11071
satellite channel, multiple access protocols, passive/active user classification *(Japanese)* 2−15967
satellite channel circuit and packet integrated switching method 2−2750
satellite communications, baseband processing and modulation techniques 2−21792
satellite ground station, for DA-TDMA integrated services network 2−21773
satellite information networks, random access techniques 2−15972
satellite relay systems, TDMA-40 equipment, automatic control system and stand-by facilities 2−16430
satellite switched TDMA Advanced Westar communications system 2−6790
satellite switching centre for satellite switching TDMA systems 2−2753
satellite system, capacity allocation, analytical results 2−21810
satellite TDMA, decentralised-control dynamic bandwidth allocation 2−2739
satellite TDMA communications link, digital speech interpolation system *(Japanese)* 2−6796
satellite-switched TDMA frame synchronisation clock correction 2−2756
satellite-switched TDMA microwave switch matrix integration and testing 2−2755
slotted ALOHA systems, optimal retransmission control 2−2527
spread-spectrum multiple access communication, error bit rate probability 2−6494
spread-spectrum multiple-access communication, slow-frequency-hopped, error probability bounds 2−6493
spread-spectrum multiple-access technique, quasi-independent freq. hopping 2−6770
time-division multiple access network, channel assignment technique 2−15963
token access protocol for broadcasting media 2−21410
tree algorithm with finite number of buffered users, anal. 2−6492
universal coding and decoding problems for multiple-access channels 2−10726

multichannel analysers *see pulse height analysers*

multidimensional digital filters
see also two-dimensional digital filters
constrained lattice processor for passive sonar adaptive arrays 2−26553
finite word length effect and stability 2−5295
stability test 2−836

multidimensional systems
communication cable production, process control synthesis *(Czech)* 2−24748
convolution arrays, generalised time/space approach 2−26142
insulated cable production, process control synthesis *(Czech)* 2−14324

multimeters
AC digital multimeter for level measurement 2−3195
computerised instruments data handling speeds increase, by use of memories in instruments 2−16782
DC microvolt-microampere meter logarithmic current and voltage amplifier appl. 2−738
digital, Matsushita VP-2500A, safety and novel functions *(Italian)* 2−7118
digital, PCB test instrumentation 2−17013
digital, user's awareness in general development trends 2−7122
digital, with automatic ranging, review 2−22079
digital multimeter, 4-1/2 digit hand-held 2−7130
digital multimeters, appl. to process and machine monitoring 2−7142
digital multimeters incorporating microprocessor for automatic calibration, Autocal system *(German)* 2−26875
DMM 4040 microprocessor-based digital multimeter, methods of meas. and facilities *(German)* 2−26873
DVMs and DMMs, market survey and general review 2−17007
electrometers, advantages over conventional DMMs 2−22296
hand-held digital multimeter selection guidelines 2−3184
ICL7135 dual-ramp ADC, used for 4 1/2 digit multimeter, automatic ranging *(French)* 2−11514
interface cards for IEC standard bus 2−11517
interface cards for IEC standard bus 2−17018
Tektronix TM 5000, function generator, counter, multimeter, interface, computer-instrument controller *(German)* 2−22043
test instruments for electricians and maintenance men 2−22311

multiphonons *see phonons*

multiphoton spectra
see also two-photon spectra
parametric freq. conversion, multiphoton, in random pump field, theory *(Russian)* 2−25858

multiple processor systems *see computer networks*
multiplex transmission *see multiplexing*
multiplexers *see multiplexing equipment*
multiplexing
see also frequency division multiplexing; time division multiplexing; transmultiplexing
565 Mbit/s transmission system, multiplexing, regenerating and fault-locating techniques 2−6685
ATE system for electro-optical unit, 3-port 2−26768
blocking in a shared resource environment 2−10729
channel divider, broadband, for fibre-optics communication lines with spectral multiplexing 2−20627
code division multiplexed parallel data transmission systems for voice frequency channels 2−6478
colour TV signals, time-frequency multiplexing simulation results 2−11149
COM2 time assignment speech interpolation based concentrator 2−2411
commercial voice concentrator over AUTOVAN interswitch trunks, operational evaluation 2−2412
digital broadcasting via satellite channel, design choices *(French)* 2−21917
digital subscriber loops, German Bundespost transition to ISDN 2−6724
digital transmission technique for public telephone networks *(German)* 2−2443
district heating dispatch station computer-aided control methods *(German)* 2−3891
electro-optical multiplexing, and high performance optical encoders 2−22387
embedded memory testing, algorithmic and other signal multiplexing 2−16781
FM-FM multiplexing for TV multichannel sound system 2−6892
holographic multiplexing using multiple reference beams 2−15570
holography, image plane, speckle reduction 2−15569
image processing using MIS photodiode integrated devices *(Russian)* 2−10136
interprocessor network utilisation rate optimisation models *(Italian)* 2−21625
LED display, multiplexed excitation, optimised current control 2−10169
liquid crystal display, twisted nematic, multiplexability, colorimetric study 2−10082
liquid crystal displays, multiplexing for alphanumeric displays 2−11541
Lynch B610 ALERT test system for pair gain systems 2−7021
multiple access protocols in packet networks 2−6627
multiplexed coherent optical processor for calculating generalized moments 2−21380
optical fibre multichannel communication, ang. multiplexing 2−6013
optical fibres, telecommunications applications 2−11076
optimum distribution of energy stores in communication systems with multiplexed signals 2−10613
point-to-point PCM transmission systems, service availability 2−10892
pulse code modulation and associated cct. techniques *(German)* 2−26078
pulse compression using angular multiplexing in high-gain 1.7 kJ laser amplifier 2−1844
rainbow holography multiplexing 2−10376
satellite communications, time, place and spectrum sharing 2−11064
SDM versus TDM switching array, comparison 2−10728
situational multiplexing of dispatcher channels in power systems and tie lines *(Russian)* 2−27381
telemetry system design parameters for threshold performance 2−21494
triplexed solid-state FM broadcast transmitters, intermodulation between RF carriers 2−6900
twisted nematic display, depolarised, improved multiplex capability by two freq. addressing 2−7168
twisted nematic displays, appls. of liq. crysts. incorporating 1,4-disubstituted bicyclo(2.2.2)octane ring system 2−11555
KrF angular multiplexed 50 kJ laser amplifier for inertial confinement fusion, conceptual design 2−6144
multiplexing equipment
1.3 μm LED transmission systems between urban telephone central offices 2−2807
4 GHz output multiplexer development, carbon fibre technology based, for Telecom-I satellite *(French)* 2−11022
24-channel digital signal processing transmultiplexer 2−2604
24-channel LSI digital transmultiplexer 2−6675
74157 quad two-input multiplexer used as clocked shift register 2−5187
, struct. and appls. *(Japanese)* 2−16260
AD 7581 data acquisition system by Analog Devices *(French)* 2−7048
aircraft, MIL-STD-1553 bus controller and multiplex remote terminal 2−7397
analogue memory, read-before-write mode, use of 16-channel multiplexer 2−851
analogue MUX ICs appls. 2−16876
analogue switch and multiplexer using MOSFET *(German)* 2−9269
asynchronous digital multiplex equip. for 34 Mbit/s, designed by Polish Institute of Telecommunications *(Polish)* 2−10899
bar graph displays, multiplexing to single driver circuit 2−11543
binary tree structured transmultiplexer design 2−6682
computer testing, automatic diagnostic unit, using analogue multiplexer *(French)* 2−11348
D/I multiplexer for removal/addition 1 to 96 channels, digital microwave links appl. 2−10966
digital, microwave radio relay system appls., telephone/telegraph services 2−6761
digital colour TV signals, bit rate reduction *(German)* 2−2919
digital system for monitoring power supply voltages 2−24573
digital techniques for transmultiplexer implementation, comparison 2−2403
digital transmission system used by German Posts and Telegraph Department *(German)* 2−10755
diplexer, Martin-Puplett interferometer, Gaussian optics and design 2−16468
Dmitri, multicomputer front-end switcher 2−10895
electronic branch exchange systems, integrating telephone and data traffic *(German)* 2−16288
FDM systems off all bandwidths, survey of new and conventional equipment 2−10907
fibre optic multiplexed telemetry system for UHV transmission 2−2799
fibre optics terminal, multiwavelength monolithic integrated , multiplexing/demultiplexing system 2−2798
frequency multiplexer, use of meander-line filters incorporating p-i-n diodes 2−24723
multiplexing equipment continued
front-end processors and multiplexers, role in communication networks 2−21690
German railways, terminal equipment of 60-channel frequency multiplex system *(German)* 2−10902
Integrated Services Digital Network manufacturers' progress reports 2−6516
logarithmic processing memory-oriented transmultiplexer architecture and simulation 2−2647
logarithmic processing memory-oriented transmultiplexer model implementation and testing 2−2603
meander-line filters for multiplexing systems, PIN diode appls. 2−917
military telephone network multiplexers, using microprocessor control *(German)* 2−16282
MOS 16 channel analogue signal multiplexer, design and testing 2−9750
multi-point measurements using the type UPH3200 data multiplexer with fixed program microprocessor or flexible program computer *(German)* 2−16812
multichannel multiplex systems, regulator modulation amplification coeff. measuring circuit *(Bulgarian)* 2−10896
multiple VLSI digital signal processing transmultiplexer 2−2605
multistage wave digital filter transmultiplexer realisation 2−6681
network efficiency considerations 2−16154
network expansion, CASE DCX exchange 2−16155
nonconsecutive address decoding by PROM and decoder/demultiplexers 2−9094
optical all-fibre directional couplers, single-mode and multimode, for WDM 2−5983
optical multi/demultiplexers for single-mode fibre transmission 2−9988
packet multiplexer, distributed processing, 64 kbit MOS RAM *(Japanese)* 2−6715
passenger multiplexing service system for Boeing 767, in-plane and on-ground test equipment 2−12034
PCM, single-channel LSI codecs, hardware configuration *(Japanese)* 2−6664
PCM, using single-channel LSI codecs, transmission characteristics *(Japanese)* 2−6665
PCM 30 D network appl. *(German)* 2−26318
PCM 30D switching system, digital signal multiplexing equipment *(German)* 2−10918
PCM multiplex equipment using single channel LSI codecs 2−21683
PCM multiplex equipment using single-channel LSI codecs *(Japanese)* 2−6663
PCM MUX equipment for digital networks *(Japanese)* 2−6662
power supply from single voltage source *(German)* 2−21682
satellite communication system, India, telephony, TV broadcasting appl. 2−21688
satellite Earth stations, high-power multiplexer for use with INTELSAT V freq. plan 2−26484
satellite TV direct broadcast, high-power extracted pole quadrupolexer in circular waveguide 2−26488
SAW multiplexer application in FMCW radar systems 2−2830
shaft encoder resolution, simplified multiplier cct., using multiplexer, shift register, logic gates *(Italian)* 2−9188
short MM-wavelength multiplexers, quasi-optical circuit technology 2−921
sound multiplex decoder IC for TV receivers 2−2900
spectral channel demultiplexer utilising planar multimode waveguide 2−1721
STA 8 digital subscriber connection system 2−6707
statistical multiplexing in minicomputer networks 2−16152
statistical time division multiplexer, description 2−21689
supplier details 2−16156
switching functions simplification, multiplexers use *(Spanish)* 2−21687
switching statistical multiplexer, Model SM 9200 2−6672
TDM-FDM transmultiplexer, struct. and appls. *(Japanese)* 2−16259
technology advances 2−16254
telecommunication network transmultiplexer exploitation and advantages 2−6677
telephone network signalling convertor for digital transmultiplexer 2−6676
ten-channel analogue multiplexer/demultiplexer using inexpensive ICs *(German)* 2−22188
terminal display technologies for 1980s 2−16180
TESLA MPK 32 PCM multiplexing equipment *(Czech)* 2−6670
transmultiplexer design for high efficiency and robust performance 2−6679
transmultiplexer implementation, baseband analytic signal approach 2−6678
TTL digital signal processing transmultiplexer design 2−2601
TTL multiplex circuit 2−24486
universal signalling digital transmultiplexer design, TM 7400-M2 2−2602
VHF diplexer, new generation development and construction *(Hungarian)* 2−10897
waveguide multiplexers, four-channel suspended substrate struct., K_a-band 2−5345
ZATF 46 CD TGDM system for telex and data transmission 2−16256
AlGaAs DH wavelength multiplexing injection laser source with graded comp. along active layer 2−1945
multiplier phototubes *see photomultipliers*
multipliers, electron *see electron multipliers*
multipliers, frequency *see frequency multipliers*
multipliers, voltage *see voltage multipliers*
multiplying circuits
16 bit serial/parallel multiplier, with self-testing circuits *(French)* 2−14077
AC transducer, PFM-PAM multiplier circuit configuration *(Russian)* 2−26823
analogue divider appl. in meas. and control engineering *(Czech)* 2−14232
audio-frequency counting, simple add-on unit, construction details 2−781
capacitance multiplication cct. 2−9178
controlled resistors, active network implementation using analogue multipliers and controlled sources *(French)* 2−14212
fixed point parallel multipliers in VLSI 2−19641
frequency stabilisation circuit for GHz range *(German)* 2−9022
high impedance analogue multiplier using VMOSTs and op. amp. 2−885
high speed bipolar LSI multiplier chip used in wave digital filter design 2−14224
high speed sequential multipliers, design principles *(Russian)* 2−24575

multiplying circuits continued
high-speed multiplier, carry-save adder low-order bit position design, elimination of spill adder 2−19753
modulo-four for nonrecursive digital filters 2−14228
monolithic 4-quadrant analog and PLL to form lock-in amp. 2−6445
NMOS, 12 bit array multiplier-accumulator, for digital signal processing 2−14090
NMOS array multiplier compact, with inverting full adders 2−5183
parallel multiplier, VLSI implementation design 2−19642
parallel multiplier and divider array, carry look ahead cct. for propag. delay decrease 2−9134
programmable waveform generator using linear interpolation with multiplying D/A convertors 2−19592
sound-effect unit, incorporating ring modulator based on multiplying circui t 2−11271

multiport networks
2n-pole networks cascade connection, operating double n-pole equations and parameters anal. 2−19496
active filters, expt. investigation *(German)* 2−24594
broadbanding design problems, gain equalisation directly from data 2−19490
Cauer II type passive RC ladder multiport, matrix transfer function realisation via state-space approach 2−674
coupled transmission lines, used for multiport matching ccts. *(French)* 2−19491
deembedding, generalised method 2−13908
general four-pole networks, from interconnection of two four-pole networks *(German)* 2−24352
interconnected multiports, S-matrix calc., MINOP program for microwave network optimization 2−24691
interconnected n-port networks, appl. of indefinite admittance matrix 2−653
large circuit nodal analysis, numerical implications of reference node choice 2−8949
linear L-C-R-T network synthesis, two-pole and 2n-pole realisations, methods *(German)* 2−19514
linear resistive n-port network, hybrid matrix eqns. formulation 2−24364
linear two-port network scattering parameter and noise parameter meas., computerised network analyzer appl. 2−26807
lossless n-port, hybrid matrix *(German)* 2−24350
low loss 2-port networks, accuracy enhancement program used for HP8409A semi-automatic network analyser 2−3265
microwave FET oscillators using dielec. resonators, very high Q-factor 2−24711
microwave multiport reflectometer for determ. of complex refl. coeffs., fixed probes, adjustable attenuator 2−26951
MM-wave passive components and six-port network analyser in dielectric waveguide 2−924
n-port, microwave, scattering parameters determ. by resonance and nonresonance techniques 2−22372
n-port networks, off-diagonally locally active (passive) characts. 2−8958
non-linear time-varying n-ports, energy-related concepts for passivity and losslessness 2−8959
quasi-optical scanning multiport network analyser, for millimetre wavelengths 2−26808
resistive n-port section-wise piecewise-linear network synthesis 2−24375
RL-RC n-ports, elementary props. 2−19510
semiconductor-loaded waveguide four-port junction based on Hall effect, theory operation 2−24681
three-port voltage controlled voltage source structure, HF, design 2−691
three-port voltage controlled voltage sources, active compensation for finite gain bandwidth of op amps 2−19788
time varying two-port, mode variables analysis technique 2−5077
two-port lumped and distributed networks, cascade synthesis, use of Minkowski model of Lorentz space 2−24370
wave digital filter, time domain anal. using multi-wire line model *(Japanese)* 2−9157

multiprocessing programs
see also parallel processing; pipeline processing
distributed program status and node/network failure tolerance *(Italian)* 2−16195

multiprocessing systems
see also distributed processing; parallel processing; pipeline processing
8-bit microprocessor-based for telegraphy and signal processing, evolution 2−26754
aircraft, conf. at Roros, Norway (1981) 2−22663
aircraft multimicroprocessor-based system 2−22670
avionic, protocol level modules 2−22678
avionic, reliability anal. 2−22677
avionic multiprocessing system SOVAC 2−22683
avionics multiprocessing system architecture 2−22674
avionics multiprocessing system PEARL software 2−22673
ballistic missile defence, multicomputer systems, logic upset circumvention 2−25975
continuous reconfiguration in a multi-microprocessor flight control system 2−22669
data acquisition reliability and fault tolerance improvement, multimicroprocessor schemes 2−16887
digital filters, bandwidth increase technique 2−14230
Dispersed Sensor Processing Mesh project 2−22680
economic considerations for real-time naval aircraft/avionic Distributed Computer Control Systems 2−22672
ESS software development, SL1 specification language 2−2632
F/A-18 weapons system support facilities 2−22686
F/A-18A Tactical Airborne Computational Subsystem 2−22685
flight control multiprocessor architecture 2−22667
Focus System Five digital central office architecture 2−2629
functional versus communication structures in modern avionic systems 2−22668
functioning models of systems with arbitrary dispatching control algorithms under periodic service *(Russian)* 2−13404
general purpose multiprocessor with hierarchical structure, design principle 2−4738
hierarchic multicomputer system in real-time, data transmission *(German)* 2−10860
hierarchical specification of the SIFT fault tolerant flight control system 2−22676
high energy physics experiment, FAMP multiprocessor system appl. 2−17292

multiprocessing systems continued
integrated control of mechanical systems for future combat aircraft 2−22684
man-machine dialogue systems for information retrieval by large number of subscribers 2−21632
mAP project an associative processor for speech processing 2−6423
multimicrocomputer structure based on extended common bus *(Italian)* 2−16193
multimicroprocessor system T-STAR *(Italian)* 2−16194
multiple memory accesses in a multi-microprocessor system 2−24553
multiple VLSI digital signal processing transmultiplexer 2−2605
multiterminal reliability analysis of distributed processing systems 2−4688
next generation military aircraft will require hierarchical/multilevel information transfer systems 2−22681
on mapping non-uniform PDE structures and algorithms onto uniform array architectures 2−4969
optical waveguide switch, N×M planar, for computer communications 2−11090
packet switch for satellite communications 2−6480
performance degradation due to communication methods between processors *(Japanese)* 2−6596
performance study of a distributed microprocessor architecture for use aboard military aircraft 2−22666
pin limitations and VLSI interconnection networks 2−5274
practical aspects which apply to MIL-STD-1553B data networks 2−22679
processor interactions in multiprocessor digital filter algorithms 2−14231
real-time with film optics ring bus, architecture 2−20683
scheduling algorithms evaluation 2−2510
semiconductors and microprocessors, SEMINEX seminar, London, England (March 1981) 2−24555
SIFT, avionic system architecture 2−22682
simulation of a multiprocessor network for power system problems 2−27384
stage-state reliability analysis technique 2−19056

multiprogramming
see also multiprocessing programs
No entries

multiterminal networks
see also multiport networks
cascaded multiterminal networks, computer generation of trees and cotrees 2−24349
non-series-parallel three-terminal RC network, decomposition formula 2−675
symbolic analysis of circuits containing active elements 2−8937
symmetrical long distance cables, length-dependence of the damping constant, multiterminal distributed parameter network representation *(Hungarian)* 2−6731

multivalley semiconductors *see many-valley semiconductors*

multivariable control systems
decentralised and centralised automatic generation control, multivariable servomechanism approach 2−3705
motor-generator set, adaptive noninteracting controller appl. 2−12661
power systems dynamic modelling and control 2−27396
robust controllers design, appl. in electric power generating plants 2−12425
steam and hydraulic interconnected power areas control, effect of size difference on optimal response 2−27420
steam power stations for combined heat/electricity generation, bilinear control systems mathematical models of stability 2−23108
thermal power plant boiler adaptive multivariable control 2−3936

multivariable systems
see also multivariable control systems
rational multivariable function half-plane analyticity and positive realness 2−5056

multivibrators
see also flip-flops
astable, thermistor, linear temperature-to-frequency convertor 2−16934
astable multivibrator with voltage-controlled variable duty cycle 2−9056
burst pulse generator, using CD 4047, 74 LS00 ICs *(French)* 2−774
car theft alarm, using monostable multivibrators, transistor driver 2−8060
discriminator using single one-shot 2−14025
force transducer using amorphous magnetic ribbon cores 2−22244
hybrid electro-optical multivibrator operating by finite feedback delay 2−25548
IC power supply unit, construction details *(German)* 2−5108
monostable, differential type, using operation amplifier with ZD clamping cct. 2−19638
MOS monostable multivibrator with time constant cct. at source 2−19637
musical note generator, using logic cct., decoder ICs 2−6955
operational amplifier, used for monostable multivibrator *(Italian)* 2−24464
programmable control circuit for 2−4464
very small capacitance measurement, using multivibrators, controlled AND gate *(Italian)* 2−11581

muon detection and measurement
Brookhaven fastbus plans 2−22503
EAS, system to record time spread 2−3381
EAS muon scintillator detectors, pulse profiles study 2−3382
gas target for research on the formation of muon-nucleon atoms 2−11806
gas target for research on the formation of muon-nucleon atoms 2−17249
stereo drift chamber with closely packed planes, design and performance 2−3375
triangular tube proportional chamber system for muon identification 2−11781
Ar-ethane (methane) mixtures props. in proportional counters 2−11782

muscle
biomedical meas., contactile events in cardiac and skeletal muscles, non-invasive meas. 2−11947
EMG, LF spectral anal. 2−11933
EMG pattern discriminator for artificial arm *(Japanese)* 2−27205
EMG preamplifier system for biomechanical studies 2−7330
EMG-reward system for biofeedback training of children, automated 2−17399
EMGs, processing for computer anal. 2−3496
forearm musculature, paralysed, controlled prehension and release in quadriplegics by functional elec. stimulation 2−17393
implantable electrical and mech. interfaces with nerve and muscle 2−17417

muscle continued
locomotor system control, functional electrical stimulation 2−17420
mechanics, simple digital instrument for time meas. 2−11634
membrane patches, isolated, nerve and muscle cells, high-resolution current meas. 2−27173
myoelectric signal, procedure for decomposition into constituent action pots. 2−27175
myoelectric signal, procedure for decomposition into constituent action pots. 2−27176
neuromuscular bioelectric events, real time data acquisition and analysis using microcomputer system 2−17387
neuromuscular blockade monitor, microprocessor-based 2−11885
neuromuscular system stimulation, elec. currents appl. 2−3505
SQUID, flat DC thin film, appl. and technique for biomag. meas. 2−11895
stimulator, implantable, percutaneous switching via an optical link 2−3512

muscovite *see mica*

music
commercial broadcasting, planning methods for stereo media *(Japanese)* 2−2872
computer controlled polyphonic synthesizer 2−26662
computer-controlled synthesiser keyboard 2−2981
digital additive synthesis for computer music 2−26663
electronic metronome, with accented rhythm flexibility 2−14239
interface for microprocessor-based operation of musical instruments 2−10889
multitrack recording systems *(Hungarian)* 2−3012
recording, stereo one point microphone technique *(Japanese)* 2−3004
synthesis by method of forward differences 2−26116

music, electronic *see electronic music*

musical acoustics
analogue ccts. for sound animation 2−16715
hi-Fi analogue reverberation system 2−22026
microphone techniques in musical recordings, single transducer or polymicrophony rel. to music quality and acoustical requirements *(Hungarian)* 2−3010
microphone techniques in musical recordings, single transducer or polymicrophony rel. to music quality and acoustical requirements *(Hungarian)* 2−3011
Pfleidrecording, spatially unaffected orchestra recording system *(German)* 2−22025
piano acoustics in studio, overview 2−6968
synthesiser invitation of musical sounds 2−16688
violin sound quality, problems in recordings for listening evaluation 2−22016

musical instruments
Band-box provides drums, bass and chord instrument for solo musicians 2−22012
bass guitar active 'stereo' unit, using TL064 BIFET quad op-amp 2−22004
electronic organ project 2−2968
electronic organ voices, modified using active band-pass filters, waveform generator 2−2990
electronic organs, registers containing preprogrammed sounds, modification of harmonic content of notes *(Spanish)* 2−11286
electronic organs, special effects, delay and glide *(Spanish)* 2−6960
electronic organs, square to sinusoidal wave converter filters *(Spanish)* 2−11285
electronic Pianocorder Reproducing System kit, Marantz pianos appl. 2−26689
electronic reverberators theory, Hammond organ appl. *(Italian)* 2−16687
miniature keyboard with octave shift mechanism, Wagnephone 2−2979
piano acoustics in studio, overview 2−6968
rhythm unit for electronic organ *(Spanish)* 2−26669
sound processor design, VLSI applns. 2−11262
stylus organ, construction details 2−16689
synthesiser invitation of musical sounds 2−16688
synthesizer, appl. of phase-locked loop *(German)* 2−21998
synthesizer development review *(German)* 2−16727
violin sound quality, problems in recordings for listening evaluation 2−22016

N-path filters *see switched filters*

NAND circuits
pulse detector, NAND gate quad IC 2−14192

NAND gates *see logic gates*

narrow band gap semiconductor materials *see narrow band gap semiconductors*

narrow band gap semiconductors
conference, Hakone, Japan (Sept. 1980) 2−13151
III-V semiconductors, stimulated Mandel'shtam-Brillouin scatt . threshold lowering 2−10354
magnetoresistance meas. 2−15281
MBE, review of European developments, 1979-80 2−8814
optical and electronic props. of narrow and wide gap materials, model based studies 2−14604
plasma frequency in transverse elec. field under mag. quantisation 2−1145
$Cd_xHg_{1-x}Te$, photothermomagnetic effect in mm and submm ranges 2−6091
$Hg_{0.8}Cd_{0.2}Te$ bolometer for mm wave radiation detection 2−16991
$Hg_{0.9}Cd_{0.1}Te$, electron freezeout and hopping cond., magnetoresist. and Hall effect meas. 2−1185
$Hg_{1-x}Cd_xTe$ abrupt junction TUNNETT diodes for MM-wave appls., theory 2−19892
p-$Hg_{1-x}Cd_xTe$, deep levels, narrow-band-gap space-charge spectroscopy 2−1175
$Hg_{1-x}Mn_xTe$, acceptor-state cond. in mag. fields 2−5594
InAs-GaSb superlattices in high magnetic fields, band struct., elec. and optical props. 2−14688
$PtSb_2$:Te, impurity conduction 2−1213

natural gas technology
automation and control system for the gas field Hassi R'Mel in Algeria 2−4549
digital techniques applied to subsurface geophysical data 2−7426
intensification of production of liquified natural gas 2−28323
transmission and distribution systems, demand modelling 2−22915

natural gas technology continued
Valero Energy Corp. private telephone network for gas distrib. industry 2−6549
Vresova pressure gas plant technology for gas production from brown coal 2−28318

natural resources
see also agriculture; dams; energy resources; mining; water supply
Finnish agriculture, utilisation of alternative energy source *(Hungarian)* 2−23844
groundwater exploration in Sudan, via combination of elec. resistivity, seismic refr. and gravity meas. 2−17564
natural gas reserves of nonbiological origin in Earth's interior, hypothesis *(German)* 2−27610
petroleum exploration, statistical techniques 2−8486
petroleum reservoir history matching optimisation, goal programming tool 2−4885
sugarcane bagasse as fuel for experimental power plant 2−7603
US energy future, potential renewable resources and how long they would last 2−22992

natural rubber *see rubber*

natural sciences
see also biology; biophysics; chemistry; geology; geophysics; mathematics; physics
stereology, statistical techniques 2−8485

natural sciences applications of computing *see natural sciences computing*

natural sciences computing
see also astronomy computing; biology computing; chemistry computing; geophysics computing; medical computing; physics computing
distance-matrix computing, INVER program appl. 2−153
multiple nearest-neighbour anal., NEBALL and FINGRP programs 2−152
remotely sensed data, range, forest, wetlands assessment, conference, West Lafayette, Indiana (1981 June 23 to 26) 2−12066

naval engineering
see also marine systems
aircraft, electronic systems for detecting submarines 2−11113
ATE appl. to weapons systems, IEEE standard 488-1978 bus interface conformance testing 2−26759
ATE calibration support 2−22145
ATE design for productivity, w.r.t. maintainability and testability 2−22134
ATE field calibration via satellite 2−26758
ATE maintenance concepts development 2−26765
ATE management, workload and cost savings forecast utilizing supply support data 2−22116
ATE systems on-line certification 2−22144
availability and functional performance requirements of warships 2−138
built-in-test design guidelines for hull, mechanical and electrical systems 2−22117
conducting polymers, preparation, props., naval appls. 2−19463
electronic equipment design, EMC management, approach in Royal Navy 2−10526
electrotechnical equipment testing, EMC problems, identification and solution 2−10528
laser assisted metalworking technology, naval appl. 2−23814
machinery testing and monitoring, R&D approach 2−22142
passive sonar signal processing estimation techniques 2−26555

Navier-Stokes equations
finite element method solution 2−19366
flattened cylinders, Hele-Shaw analogy justification *(French)* 2−19086
mixed finite element method for Stokes and Navier Stokes equations in a nonconvex polygon *(French)* 2−24262
numerical soln. of Navier Stokes equations *(Russian)* 2−501
steam turbine blade rotor nonadiabatic viscosity, integration model 2−17999
viscous splitting algorithm 2−13768

navigation
see also computerised navigation; inertial navigation; radar applications; radionavigation; sonar; tracking
air navigation aids, introduction *(Spanish)* 2−22647
aircraft navigation and attack system, of German alpha-Jet aircraft *(French)* 2−12032
aircraft navigation systems, flight testing and instrumentation 2−17473
avionic system board and ground test, based on terrain correlation 2−17478
C^3I structure, integration of navigation and positioning 2−7393
Comet Halley mission, midcourse navigation and propellant estimation computing 2−22598
deep space navigation systems and operations, NASA's 1960s to 1980s development 2−22593
flat-panel displays and integrated cockpit avionics 2−17490
flight test instrumentation, conf., Geilo, Norway (Oct. 1980) 2−13158
hydroacoustic position reference system with a narrow beam tracking transducer 2−26545
marine automatic electronic autopilot systems *(Italian)* 2−6865
positioning methods, radio and acoustic techniques *(Japanese)* 2−2851
power generation from tidal flows for navigation buoys 2−23186
ring laser gyroscopes, for internal navigation systems 2−20991
spacecraft flight dynamics, conf., Darmstadt, Germany (May 1981) 2−18863
synthetic aperture radar, spacetime for planetary geodesy and navigation 2−22646
tactical navigation system testing [software intensive systems], software intensive systems development 2−17472
underwater technology research development, unmanned remote-controlled submersibles 2−22092
Voyager 1 Saturn near encounter, close Titan flyby effect compensation 2−22605

Neel temperature
garnet bubble film, ion implanted layer, mag. state, temp. depend. study 2−15151

negative feedback *see feedback*

negative feedback control systems *see closed loop systems*

negative impedance convertors
operational-amplifier inverting amplifier, active compensation using negative impedance convertor 2−19554

negative resistance
avalanche breakdown phenomena, temp. variations for transistors and diodes 2−9620

negative resistance continued
CMOS VLSI, bulk ICs, limitations due to parasitic SCR paths, DC model 2—9748
composite transistors, inductive characts. 2—25213
diamond, semiconducting, polycryst. synthetic, negative N-type resist. 2—9415
gate-controlled diodes, avalanche breakdown characts. study 2—9621
grounded-capacitor ideal freq. dependent negative resistance and oscillator using current conveyors 2—24429
LSA microwave oscillators, freq. locking 2—9219
n^+-p-p^+ structures, negative differential conductance in mag. field 2—14684
p^+-n-n^+ diodes, reverse biased, negative resist. and current filament 2—25191
S-type diode, negative photocond. 2—25626
semiconductors, hot electron effects in crossed mag. and static microwave elec. fields 2—24909
superconducting quasiparticle heterodyne mixers, large gain, negative resist., and oscills. 2—5937
superconductor-insulator-superconductor mixers, negative resist. and conversion gain 2—20592
transistor-resistor-coupled device in common base, common collector configurations, analysis 2—5284
GaAs, S-type diode, negative photocond. 2—25626
GaAs:Cr S-type diode, photoelec. props., neg. resistance under reverse bias 2—1810
p-Ge, hot electron population inversion in mag. field., expt. and Monte Carlo simulation 2—24942
Pb-PbO-Pb Josephson junction, negative resist. switching 2—20570
n-Si:Au planar magnetodiodes with negative resist. 2—20230
Te-amorphous Se:Te-amorphous Se-Al, p-i-n semicond. diodes, negative resist. characts. and hysteresis effect 2—14662

negative resistance effects
see also Gunn effect
dynatron oscillator, negative resistance oscillatory cct. anal. 2—756
p^+-i-n^+ negative resist. diode with control MOS gates, model 2—1336
semiconductor, current controlled negative resist. and generation-recomb. induced nonequilib. phase transitions, impact ionisation model 2—24902
semiconductor buried heterostruct. laser with segmented contact, bistability and neg. resist. 2—25771
In-Ga:Cr-In struct. with S-type I-V characts., field distrib., switching mechanism 2—20156
PbS, monocrystalline, negative magnetoresistance effects 2—9462
n-Si, multivalued distribution of electrons between equivalent valleys 2—24937
Si-rare earth oxide film MOS struct., negative resist., switching and signal generation 2—25094
Te single crystal, electron transfer effect 2—24938

negative temperature coefficient thermistors *see thermistors*

nematic liquid crystals
4-n-alkoxyphenyl-4-n-alkylbicyclo(2.2.2)octane-1-carbxylates, liq. cryst. props., display appls. 2—11555
4-n-alkylphenyl-4-n-alkylbicyclo(2.2.2)octane-1-carboxylates, liq. cryst. props., display appls. 2—11555
bicyclo[2.2.2]octane esters, nematic liq. cryst. props. rel. to display appls. 2—11552
biphenyl/cholesteryl nonanoate mixture, liq. cryst. cross-pattern display using cholesteric-nematic phase transition mode 2—11553
cell, crit. angle calc. 2—6063
chlorophyll-liquid crystal electrodes for photoenergy conversion modeled on photosynthesis 2—12771
colour gamut of a nematic liquid crystal display under ambient illum. 2—22314
dichroic liquid crystal displays, technology, characts. 2—6065
display, 90° twisted, optical props., colorimetry 2—10085
display, electrically induced index matching in inhomogeneous medium 2—25552
display, in birefringence mode, colour contrast criteria 2—3231
EBBA-CEEC-ChCl, solar filters, transmission spectra 2—1759
guest-host displays, dielec., electro-optical, and phase change props. 2—7163
high resolution thermal mapping of microcircuits using nematic liquid crystals 2—14521
MBBA, flexoelectric induced second harmonic generation 2—2004
MBBA-PEBAB, as digital light beam deflector 2—10088
multicolour fluorescent display by scatt. states 2—6061
multistable optical device based on nematic liquid crystals *(Slovak)* 2—6060
opto-electronic bistable device, processing for real-time optical information 2—25557
pentylcyanobiphenil light valve, using bulk $Bi_{12}SiO_{20}$ as photocond. material 2—6067
phase retarder LCDs 2—10087
twisted, LCD cells effects of optical anisotropy and cell thickness on characts. 2—22333
twisted nematic display devices, classification and props. of liquid crystals *(Japanese)* 2—10089
twisted nematic displays, optical bounce removal 2—26918
twisted nematic liq. cryst. display, multiplexability, colorimetric study 2—10082
twisted nematic liquid crystal displays, effects of optical anisotropy and cell thickness *(Japanese)* 2—1758
twisted-configuration, threshold voltage, improved temp. coeff. 2—7167

nephelometry *see turbidimetry*

Nernst effect *see thermomagnetic effects*

Nernst-Ettingshausen effect *see thermomagnetic effects*

network analysers
analog network evaluation, 10 Hz-30 MHz network/spectrum analyzer *(Japanese)* 2—11403
automated, using air-line references 2—11416
dual six-port automatic network analyser for determ. of biological effects of RF and microwave radiation 2—26805
FM/TV broadcast antenna system, computer-controlled network analyzer for impedance meas. 2—22206
homodyne, theoretical and experimental investigation 2—3103
HP8409A semi-automatic network analyser for low loss 2-ports, accuracy enhancement program 2—3265
HV surge arrester model for transient network analyser appls. 2—3800
K-band analysers, for FET measurement 2—22373

network analysers continued
linear two-port network scattering parameter and noise parameter meas., computerised network analyzer appl. 2—26807
MM-wave passive components and six-port network analyser in dielectric waveguide 2—924
MS420A network/spectrum analyser 2—7061
photoelectrochemical devices, steady-state elec. admittance spectroscopy, electrolyte-semiconductor interface, critical props. 2—23402
power transmission line, digital filter modelling 2—22874
quasi-optical scanning multiport network analyser, for millimetre wavelengths 2—26808
RF permittivity meas. of biological tissues with open-ended coaxial lines 2—22541
RF permittivity meas. of biological tissues with open-ended coaxial lines 2—22542
TR4172 spectrum analyser, using microprocessor controlled network analyse r 2—7010
vector analyzer measures phase, impedance and group delay from 10 Hz to 50 MHz 2—16807

network analysis
see also circuit analysis computing; linear network analysis; nonlinear network analysis
analogue system spectra with periodically operated switches *(German)* 2—8962
bus admittance matrix formation by singular transformation 2—5057
computerised, transient coupling analysis of receiving antenna using singularity expansion method 2—26034
controlling the overvoltage of smoothing filters of thyristor convertors in mine electric locomotives *(Russian)* 2—28021
digital filter, recursive, second-order, l_m norm bound for state variables 2—19797
electric circuit fundamentals, book 2—13199
electric circuit overdetermined system of equations, solution 2—24347
electrical circuits abstract structures *(French)* 2—13505
electrical networks, minimisation of active power losses by reactive power compensation *(Rumanian)* 2—12210
electronic circuit equation soln. in table form *(Russian)* 2—654
feedback amplifiers, analysis, general exact method 2—13983
general four-pole networks, from interconnection of two four-pole networks *(German)* 2—24352
generalised formulation of equation matrices using circuit model and principal magnitude methods *(Russian)* 2—19489
harmonic generator, infra-low frequency *(Bulgarian)* 2—758
impulse response calculation, for certain bandlimited systems 2—8936
industrial control, theoretic approach 2—13906
interconnected n-port networks, appl. of indefinite admittance matrix 2—653
matrix cascade addition 2—13666
meander-line networks, approximation method for characts. function 2—19499
multiport networks deembedding, generalised method 2—13908
parameter estimation, microcomputer-based technique 2—13907
phase locked loops, noise property analysis, mathematical and graphical techniques 2—14024
power network sensitivity anal., complex Lagrangian approach 2—27451
reactance one-port realisation, tolerance 2—656
second order networks, selectivity criterion *(Russian)* 2—19494
shortest path calc. by optimal network reduction to subnetworks 2—13914
sweep tester for 0.1 to 1000 MHz with important additions 2—16903
symbolic analysis of circuits containing active elements 2—8937
telecommunication, optimisation 2—5059
Thevenin equivalent impedance and circuit diagnosis 2—24353
three-phase network, calc. of symmetric elements for general single-phase load *(Czech)* 2—24351
thyristor frequency convertors, for induction heating, power cct. voltages and currents *(Czech)* 2—12709
tolerance assignment problem, geometric programming formulation 2—8939
voltage transfer function shift theorem 2—652
wave digital filter sensitivity in terms of reference filter sensitivity 2—19796

network analysis (management) *see management science*

network equalisers *see equalisers*

network parameters
see also S-parameters
critical states of rectifier converters, analysis 2—28030
current fed time sharing/ inverter for induction heating/ 2—4290
distributed parameter network, telegraph equations *(Russian)* 2—19516
estimate of control characteristics for the frequency convertor running in self-contained power supply systems *(Russian)* 2—4300
generalised formulation of equation matrices using circuit model and principal magnitude methods *(Russian)* 2—19489
influence of parameters of RC networks on commutation processes in thyristor equipment 2—18341
interconnected multiports, S-matrix calc., MINOP program for microwave network optimization 2—24691
nonlinear analog function circuit errors, automatic measurement using data acquisition systems *(Slovak)* 2—8954
passive circuits, parameter measurement using two-channel processors *(Russian)* 2—26924
power systems, optimal decentralized damping of low-frequency oscillations under control energy constraints 2—3696
reactive load compensation of complex electric network, time factor allowance *(Russian)* 2—17632
RLC networks, physical realizability conditions *(Russian)* 2—19493
transformer rectifier-invertor with pulsewidth modulated voltage in AC cct., parameters determ. *(Russian)* 2—4299

network synthesis
see also circuit CAD; frequency-domain synthesis; linear network synthesis; nonlinear network synthesis
addressing networks, two-level, programmable and hardwired syntheses of discrete functions 2—19495
addressing networks, two-level, programmable and hardwired syntheses of discrete functions 2—24354
algebraic method for synthesis of macromodels of complex electronic circuits *(Russian)* 2—19488
broadbanding design problems, gain equalisation directly from data 2—19490
chain of uniform π-networks with crystal resonators in series arms 2—9138

network synthesis continued
digital filter, equiripple, nonrecursive, accelerated design procedure 2−19802
dimensioning, supply and quality of service *(Italian)* 2−19486
filter design, handbook 2−4570
FIR digital filters, phase constraints 2−14219
general four-pole networks, from interconnection of two four-pole networks *(German)* 2−24352
LF active filter hybrid IC synthesis 2−24607
lossless n-port, hybrid matrix *(German)* 2−24350
microwave T-section networks, used for VSWR bandwidth control 2−5058
near optimal path assignment through cct modelling 2−19492
passive reversing ccts. with transformer elements *(Russian)* 2−19487
phase filter synthesis, cascade phase-sensitive detector 2−14199
power system voltage and capacity allocation using method based on voltage vector and Newton's methods *(Croatian)* 2−27426
quasiorthogonal Laguerre bandpass filter energy losses in real components *(Russian)* 2−24580
R-filters, synthesis using pole of amplifier-frequency response 2−24605
recursive digital filter, new class of very low sensitivity and low roundoff noise structs. 2−19795
reliability, optimum allocation *(Chinese)* 2−13905
RLC networks, physical realizability conditions *(Russian)* 2−19493
SAW IDT filters design, errors due to diffraction compensation 2−5880
second order active experiments design and planning *(Slovak)* 2−19528
static power convertors, synthesis of optimum gain functions 2−18362
switched-capacitor filters synthesis 2−8963
switched-capacitor networks synthesis using state model *(Slovak)* 2−24381
symmetric multi-element coupled-transmission-line high-pass filters, synthesis and tables 2−24649
YIG tuned microwave transistor oscillators, design *(German)* 2−5140

network theory *see circuit theory*

network topology
active immittance regulators with nonlinear tuning law, topological synthesis 2−14214
aircraft HVDC electrical system modelling program 2−3566
analogue circuitry testability analysis, with aid of computer 2−19485
communication networks, connection matrix approach for global reliability path enumeration 2−21422
complex multinode tandem network design optimisation 2−2406
connectivity study, for simplified circuit design *(French)* 2−13904
French public packet-switching data network status and prospects 2−21615
integrated voice/data private network planning 2−2439
Italian packet switching network application of GTE Telenet system *(Italian)* 2−16174
LSI circuit topological segment connections *(German)* 2−13903
lumped/distributed networks, state-space anal. in time and freq. domains 2−13916
Modular Interactive Network Designer software for telecommunications networks 2−2405
RLC networks, physical realizability conditions *(Russian)* 2−19493
single power line outages, topological error determ. 2−12214
telecommunication network design by topological optimisation and performance simulation 2−2404

networks *see networks (circuits)*

networks (circuits)
see also specific network and circuit headings e.g. communication networks, pulse circuits, oscillators
see also multiterminal networks
biomedical peak-detector circuit for physiological signals, US appl. 2−27150
children's prostheses, battery saving circuit 2−27206
circuit breakers, HV, high power, circuits for sub-switching sections for reduction of transient voltages on power disconnection *(German)* 2−28051
discrete tolerance allocation, computer-aided method formulated as nonlinear integer programming problems 2−8942
electric circuit fundamentals, book 2−13199
eye movements meas. by electro-oculography, digital automatic circuit for over-range correction 2−27184
introduction to electric circuits, book 2−15
modern electricity/electronics, book 2−4573

Neumann algebra *see algebra*

neural nets
see also brain models
fast two-dimensional image recognition systems, problems of microelectronics 2−788

neuristor networks *see neural nets*

neuron models *see neural nets*

neurophysiology
see also brain; neural nets
dynamic control of robotic and human limbs 2−17424
electronic analogue for nerve cell teaching 2−8164
excited membranes, exptl. meas. of ionic permeability, electronic and computing subsystems *(Russian)* 2−27167
implantable electrical and mech. interfaces with nerve and muscle 2−17417
medical nerve stimulators and motion anal. *(Swedish)* 2−27203
membrane patches, isolated, nerve and muscle cells, high-resolution current meas. 2−27173
microcomputer-based data acquisition, display, and control system for vestibulo-spinal Hoffmann reflex experiments 2−11398
motor neuron refractory period and subnormal conduction in man, noninvasive computerised meas. 2−3492
neuromuscular bioelectric events, real time data acquisition and analysis using microcomputer system 2−17387
neuromuscular blockade monitor, microprocessor-based 2−11885
neuromuscular system stimulation, elec. currents appl. 2−3505
neuron activity dynamics hardware-software complex, human brain appl. *(Russian)* 2−27170
neuron membranes computerised investig. of volt-amp and inactivation characts. of ionic channels *(Russian)* 2−27171
orthosis control signals, single neuron recording as possible source 2−17416
parallel nerve fibres stability properties 2−4957

neurophysiology continued
photographed signals, contrast improvement, multichannel z-modulation oscillographic intensification system 2−11521
signal processor for real-time meas. in neurophysiology 2−6450
signals evoked and recorded using surface electrodes, stimulus artifact 2−27174

neutrino detection and measurement
flash-chamber neutrino detector, HV pulse monitor system 2−27080

neutron absorption
No entries

neutron activation analysis
see also radioactive chemical analysis
Cherenkov counting appl. in 14 MeV neutron activation anal. 2−11819
detectors for nuclear reactors, development, production and certification 2−12377
LSI constituent materials, radioactive determ. of U and Th and α-particle meas. *(Japanese)* 2−25280
pulverized coal ash, chimney solids and trace elements from 500 MW boiler stack, trace element concentration determ. appl. 2−23098
Cu activation detector for thermal and hyperthermal neutrons 2−17254
Ge(Li) detector calibration for neutron activation anal. *(Rumanian)* 2−17255
Si:Au, implantation gettering of Au, neutron activation study 2−20185
Si:P, doping using P_2O_5-SiO_2 glass as dopant source, validity of etch rate determ. 2−9556

neutron beam effects *see neutron effects*

neutron detection and measurement
see also neutron spectrometers
activation detectors for nuclear reactors, development, production and certification 2−12377
Andersson-Braun neutron rem counter, response to various neutron spectra 2−11804
beams, target spot localisation using cellulose nitrate SSNTDs 2−3416
BWR, neutron flux distrib. analyser, operational testing *(German)* 2−11842
Cherenkov counting appl. in 14 MeV neutron activation anal. 2−11819
Cherenkov detector, to find neutrino oscillations 2−3408
chevron microchannel plate, response to 2.5 and 14 MeV neutrons 2−9379
coincidence counting method, CARMEN 2−3426
CR 39 polymer track detectors, neutron dosimetry, sensitivity rel. to etching process 2−3415
cylindrical ion chamber for neutron dosimetry, characts., book contrib. 2−17271
digital neutron-gamma pulse shape discriminator tests with NE213 scintillator 2−3425
dosing gauge based on albedo dosimetric method *(Croatian)* 2−27220
double neutron monitor appl. to cosmic ray multiplicity studies 2−27047
electret dosimeter for neutrons and gamma rays 2−11815
fast neutron dosimetry, nonhydrogenous ionisation chamber appl. 2−11839
Geiger-Muller counter, fast-neutron sensitivity, comparison using different techniques 2−22489
hydrocarbon liquid scintillators, backward neutron scatt., detection efficiency 2−17241
ion chamber for neutron dosimetry, book 2−13143
ion chambers, kerma determ. 2−11825
ion chambers for neutron dosimetry, effective measuring position 2−11831
ion chambers for photon dosimetry, minimum operational requirements, book contrib. 2−17262
ionisation chamber meas., stopping power influence 2−11827
ionisation chambers, fast neutron beam dosimetry physics group experiences in USA, book contrib. 2−17441
ionisation chambers for fast neutron dosimetry, characts., book contrib. 2−17266
ionisation chambers for neutron dosimetry; experience of ECNEU group, book contrib. 2−17442
ionisation chambers in phantom irradiated by neutron beams, dose meas. 2−11832
kerma values by particle type [dosimetry] 2−11826
kerma values for therapy appl. 2−11959
liquid scintillators NE228A and NE213, neutron pulse shape discrimination 2−17240
methane-CO_2-N_2, tissue-equivalent gas mixture, W_n values computation 2−11829
miniature proportional counters for neutron spectra meas. 2−17242
mixed-field dosimetry using ionisation chambers, uncertainty anal. 2−11834
multiplicity detector for spontaneous fission events 2−17238
NBS neutron monitor/ and dosimeter calibration facility/ 2−3409
NE213 liquid scintillator, absolute detection efficiency for 50-450 MeV neutrons 2−27044
non-hydrogenous ionisation chambers, relative neutron sensitivity 2−11835
NRPB ion chamber for neutron dosimetry appl., characts., book contrib. 2−17269
organic scintillators, neutron detection efficiencies calc. using Monte Carlo computer code 2−22480
personal film monitoring, equiv., radiation dose behind proton accelerator shielding 2−11851
plastic track detectors for studying fast neutron collimators characts. 2−3411
polarisation meas. facility and polarisation data anal. methods 2−22475
position-sensitive proportional counters for source imaging using neutron pinhole cameras 2−17256
proportional counter method, photon dose fraction determ. in neutron beam, expt. uncertainty 2−11840
recoil-proton neutron counter telescope using Si detector and plastic scintillator 2−27058
Rem equivalent personnel neutron dosimeter for neutron energies of 1 eV-14 MeV 2−3516
safety determ. of working in neutron radiation fields, detector error evaluation 2−11821
self-powered detectors, neutron and gamma sensitivities, Monte Carlo calc. 2−7274
self-powered neutron detector construction and exptl. results *(German)* 2−11841
solid-state track detectors, neutron dosimetry and spectroscopy appls. *(Czech)* 2−3443
Soudan mine expt. for baryon decay study 2−27069

neutron detection and measurement continued
spent fuel detector, portable, intelligent, for material safeguards 2−7294
spherical ion chamber IC-17A for neutron dosimetry, charact., book contrib. 2−17268
step-wise time depend. backward Kolmogorov eqn. with delayed neutrons in counting statistics 2−22482
TE ion chamber, thimble type, dosimetry appl., book contrib. 2−17265
TE ion chamber, tube length at gas exhaust port, influence on response, book contrib. 2−17275
TE ion chamber meas. for neutron dosimetry, interpretation and corrections and book contrib. 2−17272
TE ion chambers model IC-17 for dose meas., calibration constancy 2−17273
TE ionisation chambers, displacement correction factor 2−11833
thimble ionisation chamber for neutron dosimetry appl., charact., book contrib. 2−17267
time-of-flight facility at Tohoku University cyclotron 2−3436
tissue equivalent plastic ionisation chambers, response charact. in photon and neutron fields, book contrib. 2−17274
tissue-equivalent ionisation chambers, performance tests 2−17276
TLD, neutron sensitivity calc. 2−27212
TNO spherical tissue equivalent ion chamber for neutron dosimetry, charact., book contrib. 2−17270
TUNL fast neutron cross section facility, targets and detector 2−3365
W-values relevant for neutron dosimetry 2−11828
n-γ dose meas. in water phantom for 18.4 MeV neutrons 2−11836
Cu activation detector for thermal and hyperthermal neutrons 2−17254
^{3}He counting tubes for neutron detection in intensive γ-ray background fields *(German)* 2−7273
^{3}He spectrometer calibration and neutron spectrum meas. from Am/Li source 2−11872
^{3}He-Xe proportional scintillation detector for neutron detection 2−11788
HgI_2, fast neutron detection gamma spectrometer 2−3448
Mg-Ar ion chamber sensitivity to high energy neutrons 2−11838
NaI(Tl), fast neutron detection gamma spectrometer 2−3448
Pu passive assay, with shift register neutron coincidence counter 2−7295

neutron diffraction
see also neutron diffraction crystallography; neutron diffraction examination of materials
No entries

neutron diffraction crystallography
cryomagnetic system, 10 tesla, for neutron scatt. meas. 2−25466
spin echo triple axis spectrometer, improved energy resolution 2−27098

neutron diffraction examination of materials
see also neutron diffraction crystallography
bulk material, internal stress meas. using neutron diffr. 2−627
steel, mild, internal stress meas. using neutron diffr. 2−627
steel, mild, neutron scattering study of texture 2−628
ZnS_xSe_{1-x}, polycryst., prepared by CVD, struct. and optical props. 2−24329

neutron effects
bipolar IC, neutron hardness assurance screening using pinch resistor 2−14972
carbon-manganin gauge, stresses meas. during nuclear underground test 2−22264
integrated Schottky logic ccts., radiation response 2−14060
integrated Schottky logic devices response in neutron, total dose and dose rate environments 2−14062
JFET thick film hybrid IC for severe temp. and radiation environments 2−9337
MESFET devices and ccts., radiation tolerance 2−14863
NMOS microprocessors, 16-bit, single event upsets for cyclotron-produced neutrons 2−14152
power transistor, reverse second breakdown charact. meas. before and after neutron irradiation 2−14844
RAM 16K dynamic semicond. memories, α-particle sensitivity reduction by neutron irradiation 2−14106
satellites survivability to nuclear weapon explosion effects estimates 2−17449
semiconductor materials, neutron transmutation doping 2−1292
symmetrical cell up-diffused I^2L 2−14061
TMI-2 core/vessel/shield configuration, neutron spectral shift effects evaluation 2−17896
vertical double-diffused MOS power transistor drain-source resist. radiation depend. 2−14862
VLSI structures, neutron-induced hard errors study 2−14970
GaAs:Ge(Se), neutron transmutation doping, elec. and physical props. 2−9562
GaSe, γ-neutron and electron irrad., photosensitivity 2−9476
n-Ge, neutron bombarded, minority carrier injection and extraction 2−24949
Ge, point defects and disordered regions due to irrad., magnetoresist. meas. 2−5540
NbTi, neutron irrad. effects on critical current pinning 2−1638
Si, bipolar devices, pulsed neutron irrad. rapid annealing factor 2−25205
Si, irrad. dislocation-free crysts., annealing influence on elec. and struct. props. 2−24920
n-Si, neutron and 2 MeV electron damage, comparison by DLTS 2−5530
Si, neutron transmutation doping 2−1292
Si, neutron transmutation doping, semi-insulating substrate for MOS IC technology 2−20424
Si, point defects and disordered regions due to irrad., magnetoresist. meas. 2−5540
Si solar cells, thin high-efficiency implementation, processing yields, electron, proton and neutron irrad. testing 2−18561
$(YSmLuCa)_3(FeGe)_5O_{12}$ bubble epitaxial layers, neutron and γ-irrad., mag. props. 2−15219

neutron moderation
see also neutron transport theory
No entries

neutron polarisation
DC current spin-flip device 2−11709
facility for polarisation meas. and polarisation data anal. methods 2−22475
multiple mirror system for thermal neutron polarisation 2−11756
$^2H(\vec{d},\vec{n})^3He$, 8 MeV, small-angle neutron polarisation study 2−22471

neutron radiography
see also nondestructive testing
No entries

neutron scattering (crystallography) *see neutron diffraction; neutron diffraction crystallography; neutron diffraction examination of materials*

neutron sources
accelerator-based cold neutron source 2−27022
beams, target spot localisation using cellulose nitrate SSNTDs 2−3416
efficient production using low energy (E 10 MeV) electron beams 2−3364
GELINA, pulsed neutron source improvement 2−7272
intense neutron source/ for material research/ in fusion reactor R and D program/ *(Japanese)* 2−3333
intense pulsed neutron source, scattering instruments, data acquisition system 2−7296
multiple mirror system for thermal neutron polarisation 2−11756
pulsed spallation neutron sources, time-of-flight spectrometry appl. 2−17223
tritium gas target appl., physical charact. 2−17225
TUNL fast neutron cross section facility, targets and detector 2−3365
white sources, status, comparison since 1970 2−3366
^{9}Be targets as neutron sources for cancer therapy 2−11753
^{252}Cf, calibration by circulated $MnSO_4$ bath technique *(Japanese)* 2−3356
$^2H(\vec{d},\vec{n})^3He$, 8 MeV, small-angle neutron polarisation study 2−22471
T ring-shaped target, preparation, neutron yield *(Chinese)* 2−22472
U alloy target, Zircaloy-2-clad, design and evaluation for pulsed neutron source 2−17228

neutron spectra
see also neutron spectrometers
Andersson-Braun neutron rem counter, response to various neutron spectra 2−11804
fast neutron spectrometer for TFR Tokamak 2−17312
miniature proportional counters for neutron spectra meas. 2−17242
TMI-2 core/vessel/shield configuration, neutron spectral shift effects evaluation 2−17896
^{3}He spectrometer calibration and neutron spectrum meas. from Am/Li source 2−11872
Sc filtered neutron beam using separated isotopes as secondary filter 2−11706

neutron spectrometers
fast spectrometer for TFR Tokamak 2−17312
intense pulsed neutron source, scattering instruments, data acquisition system 2−7296
miniature fast-neutron spectrometer for scalar spectrum measurement 2−11873
nuclear fuel rods nondestructive assay using lead spectrometer 2−7644
polarisation meas. facility and polarisation data anal. methods 2−22475
pulsed spallation neutron sources, time-of-flight spectrometry appl. 2−17223
small-angle neutron scattering spectrometer, at University of Missouri Research Reactor 2−22510
solid-state track detectors, neutron dosimetry and spectroscopy appls. *(Czech)* 2−3443
spin echo, triple axis, improved energy resolution 2−27098
time-of-flight facility at Tohoku University cyclotron 2−3436
tissue-equivalent organic liq. scintillator, miniaturised, for fast-neutron spectrometry 2−22548
triple axis spectrometer, neutron beam reflected from Zn(002) monochromator, contamination meas. *(Czech)* 2−7301
^{3}He spectrometer calibration and neutron spectrum meas. from Am/Li source 2−11872
Si detector, (n,α) and (n,p) lines position and profile quantitative explanation 2−7277

neutron transport theory
see also neutron moderation
B neutron capture therapy, neutron irradiation facility design study 2−17409
Pu lattices, heavy-water moderated, local power peaking factor meas. 2−7652

NMR *see nuclear magnetic resonance*

noise
see also acoustic noise; atmospherics; electron device noise; interference; random noise; white noise
1/f noise theory for physical devices, spectral superposition and irreversibility, Markovian processes 2−25170
40 MHz bandlimited nonlinear QPSK satellite channel uplink noise effect simulation 2−6806
750 kV power lines design choice and improvement 2−12202
A/D convertor noise induced errors in convertors, formulae *(German)* 2−19736
active two-port network with correlated noise generators, noise temp. 2−9142
amplifier equivalent noise circuits, noise parameters *(Russian)* 2−19576
autocorrelation digital demodulator of frequency-telegraphy signals, noise immunity 2−15810
biological signals and noise 2−17343
biomedical instrumentation, noise problems 2−3449
bipolar high-frequency and microwave amps., noise charact. 2−13991
bleached Ag-halide holography, high SNR 2−25861
cap and pin insulator strings, pot. distrib. calc. *(Italian)* 2−22945
coherent phase shift keyed systems, probability of error in systems with intersymbol interference and additive noise 2−2248
couplers, biconical-taper, modal-noise generation 2−1710
data transmission systems, optimum predistortion of signals *(Russian)* 2−21349
DC motors, square frame, low output range, cooling and noise charact. 2−7870
DC voltmeter A/D convertor suppression method *(Russian)* 2−3107
DC-DC, convertor design, noise elimination 2−14265
digital noise gate, for use with music mixing unit *(German)* 2−16709
equivalent-time signal acquisition and processing, in presence of stationary additive noise 2−15879
fibre-optic analogue video transmission systems using laser diodes, linearity 2−21850
FM spike noise and modulation theory 2−2244
frequency convertors, noise factor calc. in general case 2−19829
frequency synthesizer, phase noise effects in broadcasting equipment 2−16575
gyroscope, fibre-optic, closed-loop, low-noise 2−1712
half-tone facsimile transmission, noise effects *(Russian)* 2−21489
halftone images, fully developed speckle noise effect 2−2390
holograms recorded in nonlinear amplitude media, optical noise effects 2−2040
holographic storage for documents *(Chinese)* 2−10371

noise continued
integrated memory circuits noise reduction by effective layout strategy 2−14386
Josephson junction distributed steps in I-V charcts. 2−5941
Josephson junctions, chaos and noise rise, digital computer simulations 2−9912
Josephson tunnel junction, resistively shunted, obs. of zero point fluctuations 2−9938
laser diode intensity noise props. due to refl. waves from single-mode optical fibres 2−9992
long wavelength fibre optical digital transmission, performance for field applications 2−11101
low-level ultrafast differential discriminator for photomultipliers appl. 2−27085
magnetic bubble detectors, S/N ratio, shape anisotropy effects 2−15221
magnetometer, inductance variation, thin film, factors affecting performance 2−20549
magnetoresistive sensors, Barkhausen noise 2−15234
masking signals, design criteria 2−10703
multichannel analogue TV transmission over graded-index fibres, noise, distortion and fibre length 2−11199
MWPC, position resolution anal. in centroid meas., amplifier noise effect 2−3379
one domensional multimodal minimisation, algorithms and results of test function appl. 2−412
operational amps., AF, noise charcts. *(German)* 2−9004
optical fibre, modal noise, causes and solns. 2−15318
optical fibre-fibre joint modal reduction by using reduced spot excitation 2−20616
optical fibres, connectors and sources, modal noise estimation 2−25480
optical fibres in presence of model correl. model noise 2−1703
PBX tie line noise discussion 2−2598
Permalloy bubble detectors, magnetoresistive, noise anal. 2−15220
phase hologram nonlinear noise *(German)* 2−20981
phase locked loops, noise property analysis, mathematical and graphical techniques 2−14024
physical systems, conf., Gaithersburg, MD, USA (Apr. 1981) 2−23896
positron emission tomography, photon time-of-flight assisted, image reconstruction and noise evaluation 2−22544
pseudonoise signals, multiple dwell serial synchronisation 2−6483
recursive digital filter, new class of very low sensitivity and low roundoff noise structs. 2−19795
resistive anode position encoders, distortion, noise and resolution performance 2−17293
ring laser beats with resonator frequency, noise perturbations effects 2−25805
semiconductors, hot carriers, conf., Montpellier, France (July '81) 2−23866
shaft encoders, elimination of clock-count errors 2−14050
spectral analysis, dual-channel 2−2358
SQUID, AC, collective quantum tunnelling, ultimate sensitivity 2−15253
superheterodyne receivers, BASIC program for determ. of noise addition products *(German)* 2−21932
SW radio link, signal level distrib. 2−2665
twisted pair, noise induced by nonuniform EM field of nearby loop 2−26378
two-dimensional superconducting films, vortex noise meas. 2−25448
type II superconductors, flux flow noise during inhomogeneous vortex motion, dependence on DC-velocity field 2−25446
type-II superconductors, inhomogeneous vortex motion in single crystalline samples, flux flow noise, mag. field and temp. dependence 2−25447
VHF receiver, IC, with direct conversion FM 2−16344
wideband preamplifier and signal processing filter for gas proportional detectors 2−27086
n-GaAs, periodic oscills. and turbulence of hot-carrier plasma at 4.2K 2−24975
n-GaAs, photocurrent noise caused by impact ionization of neutral donors and free/bound excitons 2−24992
p-Ge, hot holes, noise, inelastic scatt., meas. at microwave freqs. 2−24952
n-InSb, hot electrons, noise and diffusivity 2−24977
$LiNbO_3$ waveguides, single-mode, planar and channel, fabricated by ion exchange 2−25533
Se, amorphous film, monostable switching, microwave noise 2−9455
Se, single crystal, freq. depend. of cond., noise and photoresponse 2−9416
Si, electron diffusion coeff. 2−14613
Si, hot-electron noise calc. at 77K, Monte Carlo method 2−24953
p-Si, SCL current flow, hot holes and noise 2−24936

noise abatement
see also acoustic wave absorption
AC machine EM noise, method 2−4109
aerospace engine automated air-cooled test facility, with silencing system 2−22634
aircraft jet engine testing 2−3546
aircraft noise control test facilities at Douglas Aircraft Company, USA 2−11988
arc furnace noise reduction by electrotechnical methods 2−8118
asynchronous machine aerodynamic noise suppression method 2−4210
chain conveyors in underground mines 2−4436
CRT assembly noise reduction 2−9253
digital impedance meas. system, detection method 2−22090
electric motor, method *(Russian)* 2−26996
electric motors, industrial, noise level reduction 2−18229
forced oil to air transformer coolers, acoustic design 2−4273
geothermal power plant noise control by Pacific Gas and Electrical Company, USA 2−3953
low-noise transformer noise cooler for substations, innovative design 2−27988
nuclear power stations, noise and vibration problems and measures *(Czech)* 2−7625
power transformers, acoustic noise sources and reduction *(Czech)* 2−23331
power transformers, noise attenuation meas. using models 2−4272
quiet valves, practical considerations in noise testing 2−7241
Sonex acoustic soundproofing material, use in Alpha Audio sound recording studio 2−26678
sound insulation for recording studio built in residential area 2−26681
soundproofing materials used in recording studios, health risks 2−26680
steel plate fabrication noise problem rel. to air-arc gouging 2−8110
supra-aural audiometric headsets using MX-41/AR and 51 earphone cushions, noise attenuation charcts. 2−16710

noise abatement continued
synchronous motor-gearbox mechanical drives 2−4401
transformer enclosure in close-fitting noise shell 2−18307
wire industry noise reduction, using compact absorbers 2−8259

noise control (acoustic) *see noise abatement*

noise control (interference) *see interference suppression*

noise elimination *see interference suppression*

noise generators
audio analyser noise source using pseudo-random electrical signal, microphone preamplifier 2−6963
burst error, error pattern simulation in digital communication systems 2−11499
microwave wide aperture standard noise sources for antenna parameter measurements in MM freq. band 2−26035
pseudo-random bit sequence noise sources, using recirculating shift register 2−7114
GaAs MESFET, 4 GBit/s pseudo-noise generator 2−14191

noise levels, acoustic *see acoustic noise*

noise measurement
see also acoustic noise measurement; electric noise measurement; optical noise measurement
small squirrel-cage motor 2−12676

nomenclature and symbols
see also units (measurement)
EMC terminology and acronyms, logical organisation 2−21152
graphical symbols for electrotechnology, Australian Standard AS1102 ladder diagram prep. 2−981
graphical symbols for electrotechnology, contacts switches and relays 2−986

nomograms
see also graphs
building lighting automatic control plus natural daylight use, energy saving under various conditions *(Japanese)* 2−8087
capital and operating costs estimation for central nuclear and coal-fired plants 2−3703
distribution networks, HV/MV/LV, energy losses and energy distribution efficiency assessment using nomograms *(Polish)* 2−7530
machining contact pressure and hole shrinkage calc. 2−23808
nomography for determining variables sampling plans 2−19020
power transformer surge voltage and test pulse meas., correction nomograms *(German)* 2−27971
sampling plan choice simplification using single gauge 2−116
thermistors, NTC type, design nomographs 2−5372
thermographic inspection of buildings, buying, leasing and contracting costs comparison 2−33

nomographs *see nomograms*

nondestructive readout
resolution capability of induction reading of code scales 2−19675

nondestructive testing
see also crack detection; radiography; ultrasonic materials testing; X-ray fluorescence analysis
autoradiography appls. to microelectronics 2−5477
bipolar IC subcollector/isolation spacing, nondestructive misalignment characterization by meas. of subcollector capacitance 2−1447
bipolar transistor, power, HV, using vacuum tubes 2−20237
book 2−5048
bulk material, internal stress meas. using neutron diffr. 2−627
coatings, nonuniform, inspection with integral thickness gauge 2−11615
coatings, thin current conducting method of monitoring 2−7185
coercive force meter, automatic ferromag. probe with cyclic mag. reversal 2−3256
dielectric detectors, α-particle track autoradiography appls. *(Russian)* 2−7288
dimension extraction from radiographs 2−8864
ED-2.02 electromagnetic inspection unit/ for inspecting pipe/ 2−641
eddy current instrumentation, current status and future direction 2−8930
eddy current NDT, conf. Gaithersbury, USA, (Nov. 1977) 2−8149
eddy current testing, history, present status and future development 2−8924
eddy current transducer signal, computation accuracy improvement 2−3136
Electric Power Research Institute's Nondestructive Evaluation Center 2−17872
EM inspection by inductive method simultaneous magnetization of test and reference samples 2−642
EPRI Nondestructive Evaluation Centre, for nuclear power industry 2−18968
fatigue crack initiation, assessment by acoustic emission 2−8884
ferromagnetic tube, eddy current testing, magnetic props. effect 2−8857
fiber optic laser probe for acoustic wave measurements, appl. to crack detection in NDT 2−25479
fibre optics appl., review 2−6028
films, thin current conducting method of monitoring 2−7185
fluoroscopy advances 2−19472
heat-treated layer, nondestructive thickness determ. *(French)* 2−19477
holographic interferometry, object illumination optimisation for large object NDT 2−2034
hybrid microcircuit substrate-to-package thermal adhesive bonds, nondestructive IR inspection 2−1076
IC, using cholesteric liquid crystal surface layer *(Rumanian)* 2−20275
ICs, defect detect. of epitaxial structures due to buried layer, laser scan method 2−9707
inspection of multiparameter meas. problems, statistical approach 2−13892
insulation, AC current testing method and measurement equipment 2−7894
intensifying screen material for γ-and X-ray radiography, atomic mass effects *(German)* 2−13901
Lixiscope, NDT appl. 2−5055
magnetomechanical acoustic emission, NDT internal stress meas. 2−625
maintenance inspection methods, developments *(Dutch)* 2−13250
MIS structures, low-current source 2−3249
multi-layer eddy current simulators, EM charact., temp. depend. 2−643
multifrequency eddy current inspection techniques 2−8931
multilayer eddy-current transducer, approx. performance calc. method 2−3135
non ferrous conductivity standards, eddy current meas. 2−11325
nondestructive testing methods, review 2−647
nonferrous metals, eddy current testing standards 2−8926

nondestructive testing continued
nuclear fuel rods nondestructive assay using lead spectrometer 2−7644
nuclear steam generator tubing, eddy current inspection 2−8927
nuclear steam generator tubing, eddy current inspection 2−8928
photovoltaic module failure anal. using Solar Cell Laser Scanner, design, expt. results 2−23603
pressure vessel inservice inspections using acoustic holography methods 2−127
printed wiring board, nondestructive through-hole Cu thickness meas., probe design, 4-point microresist. - technique 2−5426
pulsed eddy current techniques for nondestructive evaluation 2−8932
radiography, image restoration, digital technique 2−649
radiography advances 2−19472
rails and switchpoints, nondestructive US inspection, survey *(German)* 2−7462
real-time, phase conjugation in $Bi_{12}SiO_{20}$ crystals appl. *(French)* 2−25875
residual stress meas., review 2−13873
resin curing, electrical monitoring with charge flow transistor 2−631
rolled bars mech. props. NDT with KAP-1 instrument 2−13896
round robin tests to determine eddy current system performance 2−8929
semiconductor device integrity, review 2−5051
signal processing technique rel. to eddy current inspection 2−8933
solid cyclindrical parts, mag. permeab. and elec. cond. meas., ferrometer appl. 2−3255
static control materials, surface resistivity monitoring, fixture design, quality control 2−17094
steam power plant surface condensers, EPRI funded research projects in 1981 2−27744
steel, anisotropic, electrical, crystallographic texture in moving strip, inspection 2−644
steel, constructional, heat treatment inspection by electromagnetic-acoustic method 2−645
steel, mild, internal stress meas. using neutron diffr. 2−627
steel, mild, neutron scattering study of texture 2−628
steel industry, eddy current testing, present, past and future 2−8925
stress meas., X-ray diffr. method 2−626
thermoplastic pipe joint, holographic NDT technique for quality control 2−24346
transparent film thickness measurement, nondestructive method 2−7207
tubing butt welds reference radiographs 2−8863
turbine part vibration testing, use of electronic speckle pattern interferometer 2−617
US phase gratings, optical testing using Fresnel diffr. method 2−10098
visual inspection of welding using X-ray photography 2−19480
weld and solder seam nonuniformity detect. using holographic matched filtering and electronic processing 2−14535
weld defect detection, X-ray and US exam. 2−19473
X-ray stress analyzer for residual stress meas. 2−22454
Al alloy AK4-1, heat treatment quality inspection by EM method 2−640
Cu wire, nondestructive monitoring by eddy-current method 2−619
Cu_x-CdS ungridded solar cell material, defect detect. by laser scanning 2−23584
GeO_2-B_2O_3-SiO_2 glass fibre optic preforms, nondestructive conc. profiling by Raman spectra anal. 2−1700

nonelectric final control devices
see also brakes; clutches; fluidic amplifiers; variable speed gear
No entries

nonelectric sensing devices
AC current meas. using single-mode fibre Mach Zehnder interferometer sensor configs. 2−7090
fibre optic interferometric sensors, research update 2−5992
fibre optic sensor systems, applications and economic prospects 2−5991
fibre optic sensor systems, overview 2−1716
fibre optic sensor systems, passive multiplexing techniques 2−5993
fibre optic sensors based on single-mode technology, state-of-the-art 2−7089
fibre optic sensors for physical quantities 2−26834
fibre-optic sensor/transducer components, appls. *(Italian)* 2−20636
finish metal surfaces, curved and flat, optical fibre sensor appl. *(Japanese)* 2−11674
magneto-hydrodynamic angular velocity sensor *(Russian)* 2−16944
optical fibre sensor for metal surface gloss meas., development *(Japanese)* 2−15316
optical sensor system consisting of semiconductor laser and external cavity, sources and configs. 2−7091
optics and quality control in automotive industry 2−4677
protection system using pressure sensor to prevent overheating 2−7079
quartz pressure sensor, appl. in ocean bottom press. telemetry system at 2200 m depth 2−17566
robot sensor, two-dimensional compliant device for force meas. 2−16938
tool flank wear, in process measurement using fibre optic sensor *(Italian)* 2−25476
US proximity sensor operating in air 2−12106

nonlinear acoustics
elliptical polarization of acoustic waves/ in piezoelectric crystals/ under the action of an electric field/ 2−1511
Rayleigh wave propagation in piezoelec.-semicond. system, transverse elec. field effect 2−1505

nonlinear control systems
see also control nonlinearities
estimation of states and parameters in continuous nonlinear systems with discrete observations 2−13761
motor-generator set, adaptive noninteracting controller appl. 2−12661
optimal control of nonlinear stochastic systems 2−383
power plant control, adaptive nonlinear compensators 2−3937
process diagnostics, for large scale systems, current methods and new techniques based on filtering theory 2−8300

nonlinear differential equations
absolute exponential stability of nonlinear systems of differential equations with lag 2−529
circuits with DC machines, transients determ. 2−7869
comparing the conditions for stability of periodic conditions of operation in compensated networks derived by various methods *(Russian)* 2−27447
coupled nonlinear ordinary differential equations, finite difference algorithm 2−13752
Duffing's eqn., exact soln. of difference approx. 2−13766
elliptic partial differential equations and quasiregular mappings, reflection principle for solutions 2−24041
EM wave propag. in nonlinear media; nonlinear integro-differential equation *(Russian)* 2−10358

nonlinear differential equations continued
equation of motion $d^2y/dx^2+c^2\sin y=0$, solns. for pendulum and alternators 2−8402
evolution eqns. class, compactness method *(French)* 2−13376
existence theorem for a class of nonlinear evolution equations *(French)* 2−19083
finite dimensional approximation of nonlinear problems 2−24265
functional differential equations soln. 2−13748
geometric singularities *(Russian)* 2−24047
hierarchical successive approximation algorithm 2−514
induction motors starting transients digital simulation 2−4198
Josephson junction noise thermometer, elec. impedance, math. model 2−25450
large scale, approximation algorithm 2−513
magnetic losses from non-oriented steel plate calc. 2−15108
parabolic equations, modified backward time discretisation using patch approximation 2−8758
perturbation solution for $d^2y/dt^2+y=a+\varepsilon y^2$, asymptotic series soln. 2−512
power network earth fault capacitive current compensation investigation *(Russian)* 2−12282
second order, boundary value problem on infinite interval *(Chinese)* 2−13720
second-order nonlinear differential equations, regularising algorithm 2−521
synchronous machines, digital computer simulation 2−12604

nonlinear equations
see also nonlinear differential equations
approximate solution of nonlinear operator equations using L-splines 2−19315
axial symmetry with magnetic field distrib., finite element method anal. *(Chinese)* 2−13714
C-CD, self-induced field profile, steady-state distrib. of signal carriers 2−1371
chemical engineering, Powell's dogleg method modification for solving systems of nonlinear equations 2−4948
circuit CAD, combinational algorithm use 2−8941
continuation methods, class, steplength algorithms 2−8717
discrete realizations of continuous analogs of iterative processes and their application *(Russian)* 2−491
evolution equations, computational stability *(Chinese)* 2−13726
finite dimensional eigenvalue problems 2−24254
fixed point equations, E-methods 2−24253
integral equations 2−19382
interval boxes of solutions of nonlinear systems/ 2−489
Kantorovich theorem for Newton's method, updated version 2−8714
Maslov-Morozov property in a regularization method for nonlinear equations of the first kind *(Russian)* 2−4949
Neta's family of three-step solution methods of order 7 2−13715
numerical method of least squares solution method *(Italian)* 2−490
on finite element schemes of the Dirichlet problem for a system of nonlinear elliptic equations 2−8669
one-parametrer embedding methods 2−24241
periodic marketing ring, equilibrium and stability 2−8407
polynomial nonlinear equations, periodic soln. computation 2−8718
product approximation for non-linear problems in the finite element method 2−8676
random functional integral equation 2−19091
relativistic and nonlinear radiation interaction/ between laser beams and plasmas 2−2156
Schrodinger equations, numerical calculation problem *(Chinese)* 2−13730
systems of nonlinear singular integral equations, method of moments 2−19389

nonlinear network analysis
analog function circuit errors, automatic measurement using data acquisition sytems *(Slovak)* 2−8954
bifurcation sets in nonlinear ccts., global props. 2−19520
complex nonlinear circuits periodic processes anal. using differential harmonic method 2−27890
diagnosability of nonlinear DC circuits 2−8955
diagnosability of nonlinear dynamical circuits 2−8956
diakoptic iterative method for anal. of complex ccts. *(Czech)* 2−13917
diode-transistor, networks with exponential charact., DC analysis 2−8960
electric circuits with controlled sources and nullors *(Rumanian)* 2−13925
frequency multiplication using 2−8957
generalised representation in frequency domain for machine anal. 2−24378
harmonic levels, computer simulation 2−24374
high-order nonindepend. systems with piecewise-linear charact., stability of periodic regimes 2−679
jump behavior of circuits and systems 2−19518
LC circuit, inhomogeneous, expt. on soliton, dissipation free case 2−5074
LC circuit, inhomogeneous, soliton propag., dissipative case 2−5073
LSA microwave oscillators, freq. locking 2−9219
lumped parameter-linear distributed parameter network, time domain anal., algorithms and programs *(Hungarian)* 2−8950
Manley-Rowe, relations, Kontorovitch's generalisation 2−24373
n-port networks, off-diagonally locally active (passive) charact. 2−8958
network transient behaviour anal., state equations necessary and sufficient conditions 2−19519
nonlinear series RLC circuit, anal. 2−13927
quasi-steady-state analysis of nonlinear circuits with pulse width regulation *(Russian)* 2−8953
radio circuits, multidimensional nonlinear, Volterra nucleus determ. using nonlinear input signals *(Russian)* 2−24376
radio circuits, Volterra nuclei determ. using modified structural matrices *(Russian)* 2−24377
reactive power determ. *(Russian)* 2−3730
recurrent systematic methods for numerical anal. of transients *(Russian)* 2−13924
RMS-to-DC convertors, AC ripple and DC error calc. 2−14270
solid-state circuit composed of FETs and inverted Darlington pairs of transistors, temp. charact. 2−5075
steady-state solution, efficient computing algorithms 2−5072
time-varying n-ports, energy-related concepts for passivity and losslessness 2−8959
TWT amplifier, freq. independent and freq. dependent nonlinear models 2−14589
varactor intermodulation distortion 2−19904

nonlinear network synthesis
active immittance regulators with nonlinear tuning law, topological synthesis 2−14214
capacitance-tuned resonator using nonuniform lines, derivation of line impedance 2−9025
computer aided circuit design, combinational algorithm use 2−8941
digital filters, FIR with nonlinear phase response 2−6434
diode-resistor network design, strategy for choosing break points 2−8961
realisation of a class of nonlinearly-parametric networks *(Russian)* 2−13926
resistive n-port section-wise piecewise-linear network synthesis 2−24375

nonlinear optical susceptibility
second- and third-order, computerised meas. system 2−25845
semiconductor compounds as quantum electronic materials, physical characts. *(Russian)* 2−9966
$Cs_2UO_2Cl_4$ crystal, struct. and nonlinear optics 2−20963

nonlinear optics
see also nonlinear optical susceptibility; optical bistability; optical frequency conversion; optical parametric devices; optical phase conjugation; optical saturation; optical self-focusing; quantum optics; self-induced transparency; stimulated scattering; thermal blooming
coherent light detection, after nonlinear amplification 2−6468
conference, optical systems and appls., Utrecht, The Netherlands (Sept. 1980) 2−8135
dye laser subpicosecond pulse internal amplification 2−15474
fibres, single-mode, phase-matched stimulated four-photon mixing in min.-chromatic-dispersion region 2−6021
glasses, semiconductor compound doped, nonlinear optical absorpt. effects, laser pulse modulation *(Chinese)* 2−25832
inhomogeneous dispersive media, nonlinear pulse propag. theory, appl. to optical waveguides 2−15339
IR laser beam, model of transmission through water droplet aerosol under thermal self-action 2−20962
laser optics, conf., Leningrad, USSR (Jan. 1980) 2−18844
lithium formate, parametric scatt. spectrum second-order vibrs. 2−25847
luminescence, conference, Berlin, Germany (July 1981) 2−23864
multimode fibres, nonlinear pulse propag. theory 2−15338
optical fibres, nonlinear ps. pulse propag. with positive group vel. dispersion 2−2009
plates, elastic and viscoelastic, thermal lens form. due to laser nonuniform heating 2−25851
ring gas laser, light-induced optical nonreciprocity 2−10357
self-channelling, atm. propag. of high-power laser pulses 2−2008
semiconductor, dynamic nonlinear optical processes, review 2−25827
semiconductor, optical nonlinearity and bistability due to biexciton form. 2−25840
special topics in optical propagation, conference, Monterey, California, (1981 April 6 to 10) 2−16490
two-spin oscillators, mutual synchronisation 2−19584
CO_2 pulsed amplifier, thermal defocusing, numerical anal. 2−25708
$KTiOPO_4$ crystals, nonlinear optical props. 2−2021
$LiNbO_3$, optical nonlinearity and hologram recording *(Russian)* 2−10348
NaCl, focused laser beam deform., multiphoton polaron and avalanche optical breakdown models 2−6250

nonlinear programming
see also convex programming; quadratic programming
10-bus 13-line power system load flow optimisation algorithm, mathematical programming application 2−22781
adaptive piecewise polynomial curve fitting procedure for data analysis 2−8681
chemical engineering, equation analyzer for mathematical expressions manipulation, nonlinear optimisation appl. 2−4890
convergence of nonlinear algorithms 2−392
cut-map algorithm for design problems with parameter tolerances 2−24200
design, nonlinear programming 2−27885
dissipative four-terminal network with real matching devices, optimisation *(Bulgarian)* 2−12219
electric networks, discrete tolerance allocation, computer-aided method formulated as nonlinear integer programming problems 2−8942
equivalence of nonlinear complementarity problems and least element problems in Banach lattices 2−4912
feasible direction method for large-scale nonconvex programs: decomposition approach 2−19258
general duality theory survey 2−4906
global minimisation in presence of constraints, efficient nonlinear algorithm *(Russian)* 2−364
globally convergent version of Robinson's algorithm for general nonlinear programming problems without using derivatives 2−19257
gradient projection descent algorithms *(Chinese)* 2−13626
invertors, optimal control of commutation pulses, nonlinear optimisation technique 2−18352
Lyapunov concepts 2−13633
method of centers algorithm for certain minimax problems 2−24205
minimum risk criterion in stochastic optimization 2−4899
multicriteria problems, compromise solutions using the fuzzy min-operator 2−8645
multiparametric nonlinear programming problem, solutions 2−401
nondifferentiable program, converse duality 2−13623
nonlinear pipe network equations, iterative method appl. *(Chinese)* 2−19317
optimal scheduling of power systems with pumped hydro storage plants adopting non-linear programming techn-iques 2−7773
optimisation-satisfaction problem. soln. by penalty function method *(Japanese)* 2−429
parametric synthesis of current measuring transducers *(Russian)* 2−3142
postoptimality anal. in nonlinear integer programming, right-hand side case 2−421
posynomial geometric programming soln. 2−24204
power system, complex optimisation of load flow, simplex method *(Russian)* 2−22889
power systems, optimization methods in planning and operation 2−27431
primal geometric program soln. by partial dual optimisation 2−4910
proximal subgradients, marginal values, and augmented Lagrangians in nonconvex optimization 2−405
random search algorithm for unconstrained minimization 2−8636
random vector parameter, goal function and restrictions *(Russian)* 2−19266
separable programming problem with fractional objective function, solution 2−4894

nonlinear programming continued
sparse Hessian estimation 2−19256
structured families optimality conditions 2−19259
symmetric dual nondifferentiable programs 2−4886
variable penalty methods 2−19255
variable-reluctance stepping motor design 2−23323
Wilson, Han and Powell method 2−24219
Wilson, Han and Powell method 2−24220

nonlinear systems
see also bang-bang control; nonlinear control systems
balances, automatic, digital 2−7013
bifurcation sets in nonlinear system, global props. 2−19520
homing missile guidance systems anal., Statistical Linearization odjoint method for nonlinear systems, computer tool 2−7368
least squares model fitting to error-disturbed obs. 2−26143
parabolic system circle theorem 2−13576
Walsh series expansion of probability distribs. 2−13383

nonlinearities of control systems *see control nonlinearities*

nonparametric statistics
accelerated failure time model, nonparametric anal. 2−8470
angular-linear association, nonparametric measures 2−13444
bivariate estimation with randomly censored data 2−8474
certainty indices computation *(Russian)* 2−262
discriminant anal., optimal near neighbour estimator 2−4778
Fourier series methods in nonparametric estimation 2−13485
functionals of probability density, estimation 2−492
goodness of fit of time series models, higher order crossings appl. 2−4776
isolated infrared signatures, passive classification system 2−26154
multiresponse permutation procedures, class of tests 2−13457
multivariate μ density and its mixed partial derivatives, speed of convergence in nonparametric estimation 2−13477
regression estimates, k-NN, local properties 2−8465
reliability anal., Bayesian methods examination 2−8304
single server queues, estimation 2−13410
standard error estimates, jackknife, bootstrap and other methods 2−13441
survival function, max. likelihood estimation based on censored data under hazard rate assumptions 2−255
two sample problem unbiasedness of two sided nonparametric tests 2−13486
uniform convergence of estimates of multivariate probability density 2−19138

nonradiative transitions
luminescence, conference, Berlin, Germany (July 1981) 2−23864
GaAs-GaAlAs DH lasers, nonradiative lifetime and leakage losses 2−6214
InGaAsP DH, electroluminescence, efficiency and kinetics 2−10174
InGaAsP DH layers, laser characts., nonradiative recomb. effect 2−20901
Si:H, amorphous, p-i-n junctions, photoacoustic emission 2−25052
ZnS:Mn thin film electrolum. device, electrolum. characts. depend. on device parameters 2−20754

NOR circuits
No entries

NOR gates *see logic gates*

normalising
No entries

NOT gates *see logic gates*

notch filters
active filters, design and experimental testing *(German)* 2−19772
active filters, expt. investigation *(German)* 2−24594
active filters for video selectivity block for television receivers 2−2890
band reject filter, using op. amps. 2−9144
coaxial blocking filters with several appls. *(Norwegian)* 2−24581
digital filters, first-difference approximation design method, 50 Hz notch filter example 2−842
HF combined band reject filter and trap 2−817
logic gate filter for square-wave pulse train 2−835
principles of notch filter with adjustable Q factor *(Spanish)* 2−14213
self tuned, for suppressing LF interfering signals 2−831
single-mode fibre recirculating delay lines, filter response 2−25499
subnetworks using distributed parameter R-C-NR, C-R-NC structures 2−676
switched capacitor pseudo-N-path filter, appl. to bandpass and bandreject filters 2−24382

notch sensitivity *see notch strength*

notch strength
see also fracture toughness
steel, structural and weldments, AE rel. to deform. and fracture 2−13877

notch testing
see also fracture toughness testing
steel, stainless, weld overlay, H-induced cracking in heat-affected zone of steam generator forging 2−7672

nozzles
ink jet nozzle pressure measurement circuit 2−3295
H_2-HCl gasdynamic laser characts. 2−20823
H_2O diffusional gas-dynamic lasers, submillimeter-range radiation generation 2−25704
H_2O vapour supersonic expansion, far-IR radiation generation 2−25705

NTC thermistors *see thermistors*

nuclear alignment *see nuclear polarisation*

nuclear bombardment targets
gas target for research on the formation of muon-nucleon atoms 2−11806
gas target for research on the formation of muon-nucleon atoms 2−17249
ion accelerator facility for nuclear bombardment target prep. 2−7252
medical cyclotron, design for a multiple target system 2−3450
polarised proton target for meas. in intense photon beam 2−3345
proton target 'frozen' polarisation electromagnets 2−27025
^3H concentration in targets 2−11759
^3He liquid target system for 180-525 MeV proton cyclotron 2−11751
T ring-shaped target, preparation *(Chinese)* 2−22472
U alloy target, Zircaloy-2-clad, design and evaluation for pulsed neutron source 2−17228
U target-ion source system for ISOL facility 2−11752

nuclear emulsions *see nuclear track emulsions*

nuclear energy *see nuclear power*

nuclear energy levels
radioactive sources, γ-ray energies meas. using Ge semicon. detectors 2−11787
$^{238}U(\gamma,f)$, μs isomeric states meas. in photofission products 2−27045

nuclear engineering
see also fission reactors
American Power Conference, Chicago, IL, USA (April 1980) 2−13153
BWR intergranular stress corrosion cracking, causal factors and mitigation 2−23063

nuclear engineering computing
see also computerised control; computerised instrumentation
accident consequence analyses, computer codes 2−3865
accident consequence analyses, computer codes 2−7679
BWR, nodal methods for three-dimensional simulator 2−23052
BWR dynamics, coarse-mesh core calc., a posteriori evaluation 2−17897
BWR turbine trip tests in conjunction with RETRAN analysis 2−3876
finned-tube heat exchanger dynamic behaviour model and expts. *(German)* 2−27616
JAERI model containment test facility under LOCA simulated conditions, I removal tests 2−7351
KAHTER, critical HTGR test facility, heterogeneous poisoning, power reactor initial loading study 2−17895
methanation of CO and CO_2 for heat production 2−7608
multi-scalar system 2−17231
nuclear reactor safety software reliability *(German)* 2−13319
power plants under seismic loads, dynamic anal. with finite elements 2−12355
power system simulations 2−17907
pressurisation transients in BWR, RAMONA computer code simulations 2−12364
process control software, reliable software, development and validation methodology 2−12376
PWR, heat transfer coeffs. under LOCA conditions in containment buildings 2−7658
PWR plant availability-limiting factors analysed 2−17868
PWR simulated geometries, heat transfer and two-phase flow, computer program 2−3872
PWR simulated geometries, heat transfer and two-phase flow, computer program 2−7685
PWR transient tests for verifying reactor system transient analysis computer codes 2−3877
PWR transient tests for verifying reactor system transient analysis computer codes 2−7688
RETRAN-02 computer-code for best-estimate analysis of LWR systems 2−3875
RETRAN-02 computer-code for best-estimate analysis of LWR systems 2−7687
steam turbines, thermodynamic transients, dynamic simulation model 2−12354
step-wise time depend. backward Kolmogorov eqn. with delayed neutrons in counting statistics 2−22482
thermonuclear fusion research, computer control and instrumentation 2−16829
TMI-2 accident, thermal-hydraulic and core-damage anal. 2−17835
TMI-2 core/vessel/shield configuration, neutron spectral shift effects evaluation 2−17896
WAMCOM computer code for common cause methodologies using large fault trees 2−8329

nuclear explosions
see also weapons
artificial satellite, damage due to X-ray pulse, current injection tests 2−17463
artificial satellite, damage due to X-ray pulse from nuclear explosion 2−17465
artificial satellite, damaging effects of X-ray pulse, testing program 2−17450
artificial satellite, EM pulse problems due to nucl. explosion X-rays 2−17466
artificial satellite, X-ray damage problem, laboratory simulator 2−17464
artificial satellites, damage risk assessment 2−17448
artificial satellites, estimation of survivability 2−17449
electromagnetic pulse, conf., London (Nov. 1981) 2−13170
electromagnetic pulse simulation 2−15745
electromagnetic pulses, generation mechanisms and characs. 2−15741
electromagnetic pulses, interaction with extensive systems 2−15743
electromagnetic pulses, nuclear hardening of cables 2−15744
EMP, source region coupling to long lines 2−25978
multichannel data acquisition and processing system for blast and thermal environments 2−22197
shock meas. using time-domain reflectometry 2−22094
underground test, stresses meas. using carbon-manganin gauge 2−22264
X-ray emission effect on lower atm. electron density 2−24037
Z 2−15742

nuclear fission piles *see fission reactors*

nuclear fusion reactors *see fusion reactors*

nuclear induction *see nuclear magnetic resonance*

nuclear instrumentation
see also beam handling equipment; counters; counting circuits; nuclear reactor instrumentation; particle accelerators; particle detectors; particle track visualisation
analogue device for particle identification and energy spectra acquisition 2−17298
annular two-phase flow in nuclear heat transport systems, electro-optical instrumentation development 2−3869
annular two-phase flow in nuclear heat transport systems, electro-optical instrumentation development 2−7681
Brookhaven fastbus plans 2−22503
CAMAC, logic state analyser 2−17309
CELLO detector, charged particle trigger 2−11857
counting device for light pulse time anal. 2−3423
DESY, beam lines and instruments for synchrotron radiation expts. 2−7255
digital random pulser for testing nuclear instrumentation 2−3422
dilepton triggers, fast ECL-CAMAC processor 2−11862
electronic control devices for particle detectors 2−17311
fast, time-sliced, multiple data bus structure for overlapping I/O and CPU operations 2−6603
gamma-ray spectrometer, data acquisition system 2−7306
heavy nuclei fission expts. automation with TPA-i1001 minicomputer 2−7289
high-energy experiment, trigger monitor readout 2−17308
high-energy experiments, fast microprocessor appls. 2−11865
image processing system, coordinate measuring table, microcomputer control *(German)* 2−11354

nuclear instrumentation continued
intense pulsed neutron source, scattering instruments, data acquisition system 2−7296
LINKER, intercomputer communication system for cyclotron facility 2−7245
million channel pulse height analyser for data acquisition, multi-microprocessor system 2−7292
multiplicity logic unit, for gamma-ray detection 2−11852
multipurpose hadron spectrometer, trigger processor 2−11859
muon trigger for UA1 expt., fast online track finding, microprocessor appl. 2−11860
online trigger filtering at CERN ISR 2−17299
particle detector, ARGUS, fast secondary trigger processor 2−11863
particle detector 'crystal box', intelligent trigger processor 2−11864
pulse amplitude dividing circuit for nuclear applications 2−11853
pulse height analyser, pile-up error compensation method 2−22504
pulse measuring system, self-diagnosis technique 2−27083
pulse measuring systems, self-diagnosis method 2−27084
radioisotopic instruments, servo-compensation method *(Chinese)* 2−22513
readout system for a multiwire proportional chamber *(Chinese)* 2−22502
recoil missing mass trigger, ECL-CAMAC processor system 2−11861
selective sampling method for high count-rates 2−11854
storage ring experiments, two-level triggering 2−17306
thickness gauges for rolling mills, digital electronics appl. *(German)* 2−17320
trigger processor, XOP, for high-energy physics appls. 2−17305
UA_2 detector, triggering, data acquisition 2−11858
velocity meas. using nuclear gamma-resonance meter 2−17134

nuclear magnetic moment
see also nuclear magnetic resonance
No entries

nuclear magnetic resonance
see also nuclear quadrupole resonance; nuclear spin-lattice relaxation; proton magnetic resonance
amorphous semiconductors aspects of basic physics researches 2−25019
cryogenic NMR gyroscope, rotation-sensing device, He isotope appls. 2−16946
double pulse pattern generator for transient NMR experiments 2−771
electrical insulation degradation investigation methods, study 2−15039
Fourier transform NMR spectra, accumulation, signal-to-noise ratio 2−7067
Francis Bitter National Magnet Laboratory, USA, cryogenic research facilities 2−15272
lock-in amp. using a 4-quadrant analog multiplier and PLL 2−6445
magnetometer using flowing water *(Chinese)* 2−17107
medical imaging with computerised reconstruction 2−3471
medical investigations appl., safe technique *(Swedish)* 2−27130
mono-chip timing generator for use with pressed NMR spectrometers 2−24629
proton precession magnetometer, based on principle of NMR for geomagnetic field meas. *(Chinese)* 2−22713
sensitive marginal oscillator, for the determination of high magnetic inductions 2−5142
spin-warp imaging, microprocessor-controlled instrumentation 2−22067
tunable pulse generator for calibration of superconducting solenoids by NMR method 2−14018
$FePS_3$ cathode in Li battery, synthesis, struct. and phys. props. *(French)* 2−18449
$NiPS_3$ cathode in Li battery, synthesis, struct. and phys. props. *(French)* 2−18449

nuclear medicine *see radioisotope scanning and imaging*

nuclear medicine (treatment) *see radiation therapy*

nuclear orientation *see nuclear polarisation*

nuclear particle track visualisation *see particle track visualisation*

nuclear polarisation
see also magnetic double resonance
^{23}Na, nuclear spin polarised beam prod. using optical pumping 2−17230

nuclear power
5 kW_e isotope/ORCEPS dynamic power system 2−17881
AGR boiler design and construction in UK 2−7671
alternative sources of power 2−22976
approaches to nuclear fuel assurance, balancing nonproliferation with energy security 2−12374
Brazilian coal and oil shale development processes using nuclear energy *(German)* 2−12405
BWR, power distrib. change evaluation during daily load following operation *(Japanese)* 2−7654
BWR, power-flattening method 2−7650
BWR irradiated fuel, neutron emission anal. and meas. 2−7651
Canadian National Fusion Program development 2−12345
Chinese nuclear technology, current status *(German)* 2−27614
conference, energy outlook in the 1980s, Ames, Iowa, April 1981 2−13152
developments in district heating from nuclear power 2−27624
developments in electric power generation capacities for 1990s in Japan 2−17833
economics of uranium supply and demand 2−17841
electric power for space systems, technology and flight systems program 2−17882
electrical power in Comecon states, development survey in 1990 2−22785
energy resources in the USSR 2−22998
energy source, conditions and justification for introduction of new sources *(Croatian)* 2−22999
EPRI Nondestructive Evaluation Centre, for nuclear power industry 2−18968
fuel conservation and proliferation prospects 2−23016
fuel performance testing with respect to pellet clad interaction 2−7656
fusion-fission hybrid reactor design studies, overview 2−3860
future developments 2−27611
gas-cooled nuclear power reactors 2−3864
German Federal Republic energy policies *(German)* 2−17793
German nuclear reactor construction delay costs, economic anal. *(German)* 2−12404
HTR, application to prod. of chemicals, synfuel 2−18820
HTR project in US, current economic status *(German)* 2−23038
importance to German economy *(German)* 2−17955
Incoloy 800 and Inconel 600, steam generator tube for PHWR, NaH_2PO_4 evaluation as denting inhibitor 2−7673
LMFBR steam generator US design 2−7665

nuclear power continued
management activities in USA and abroad 2−17873
National Energy Policy Plan, USA 2−27630
nuclear power industry: prospects for development 2−27626
power generation expansion in East and West Europe due to oil prices escalation *(German)* 2−23002
power in the maritimes and Atlantic Canada 2−27597
production reactor productivity improvement plan 2−17913
public opinion trends 2−27632
PWR fuel industry, France *(French)* 2−27650
PWR steam generator materials, Cu and Ni compounds effects on corrosion 2−7670
risk analysis of nuclear vs. fossil-fuel economics 2−17819
STARFIRE commercial Tokamak fusion power reactor concept 2−17912
steam generator degradation and nuclear power costs, generic problem 2−3943
steam generator materials, pitting corrosion studies 2−7675
steam generator materials performance, conf., St. Peterburg, FL, USA (Oct. 1 980) 2−4568
steam generators, system chemistry consideration 2−7668
steel, stainless AISI type 304L, straight pipe for LWR, fatigue and fracture behaviour 2−12388
technology for developing countries 2−12373
technology in Nigeria, material resources and manpower availability assessment 2−27622
technology transfer, case study for Australia 2−12372
tubular cracking oven based on test plant EVA II for PNP-reactor, conceptual presentation *(German)* 2−27638
waste management operations, review and evaluation 2−17874
world energy resources *(Dutch)* 2−22973
world-wide nuclear energy expansion possibility *(German)* 2−12371
world-wide use, long-term perspective *(German)* 2−23003
worldwide monitoring system against proliferation of nuclear weapons 2−3844
Pu lattices, heavy-water moderated, local power peaking factor meas. 2−7652
U, natural, estimated requirements to year 2000 2−17842

nuclear power stations
see also power station control
700 MWe, external and internal auxiliaries power supply reliability *(French)* 2−27617
800 MWe HTGR gas-turbine power plant design 2−17865
1270 MW PWR power station with district heat supply *(German)* 2−23013
1300 MW steam turbine generator set construction and technical details 2−3846
Abnormal Transient Operating Guidelines programme 2−17878
accidents, operators' liability for compensation, in France *(French)* 2−7631
actinide nuclides meas. in water samples from nuclear power plant primary cct. 2−12090
Arkansas Nuclear One Unit 2 nuclear steam supply system, design and operating data 2−12363
Armenian Nuclear Power Station in USSR, seismic stability 2−17855
as-built nuclear power plant buildings, dynamic testing, review 2−12353
atmospheric plumes dispersion, aerodynamic effects of large structures, wind tunnel simulations 2−17860
automatic US testing for manufacturing process control *(Japanese)* 2−17615
back end fuel cycle, provisions in West Germany, trade unions' view *(German)* 2−17831
boiler mock-ups for tubing degradation inspection in PWR boilers 2−7634
boiler tube bundle interior inspection, miniature visual examination equipment development 2−7636
boiler tube denting corrosion limitation by isothermal soaking 2−3853
boiler tubesheet crevices, Inconel 600 tubing corrosion problems, conf. proceedings summary 2−27634
boiling water reactor radiation protection *(German)* 2−23009
boosting steam turbine unit, cost effective approach *(Russian)* 2−3842
bottoming cycle offers compact alternative to dry cooling 2−23021
breeder development in international cooperation *(German)* 2−23037
Browns Ferry Unit-3 cavity neutron spectral analysis 2−23062
Bruno Leuschner, diagnostic monitoring equipment, experience *(Czech)* 2−17836
BWR, integral cct. pump constructional features *(German)* 2−3884
BWR nuclear power plant load following operation, reactor power regulator, microcomputer system 2−17852
calculations of operating conditions and of operational energy factors of heat producing plants of single circuit nuclear power stations 2−12361
Candu and PWR costs compared in Canada 2−12352
CANDU nuclear steam generators, materials performance 2−7663
CANDU operating experience, performance, reliability and safety 2−23023
CANDU simulators, instructor facility tools to evaluate trainee performance 2−23034
CANDU technology, evolution and development 2−23051
capital and operating costs estimation for central nuclear and coal-fired plants 2−3703
Chinese nuclear technology, current status *(German)* 2−27614
choice of optimum parameters of network coolant for heat-producing systems with nuclear district heating plants 2−12360
coal-fired and nuclear power plants, cost effectiveness 2−27348
combined electricity and nuclear heat generating systems, design considerations *(German)* 2−3840
combined heat and power nuclear systems, construction and economic assessment 2−27623
combined heat and power schemes based on nuclear power for Britain, case for 2−3841
commercial power plants, nuclear regulating requirements sources 2−7624
component removal in radioactive areas with minimum operator exposure *(German)* 2−12370
component transportation *(French)* 2−27649
computer programs for planning and managing outages 2−7630
condensate polishing using carboxylic cation exchange resin, possible arrangements 2−17854
containment isolation system, instrumentation and control equipment failure assessment, soln. 2−12346
control room man-machine interface advancement 2−17877

nuclear power stations continued
control room organisation-telecontrol and man-machine-process interfaces *(French)* 2−23026
CRT display variables and formats study for BWR power plant start-up operation 2−23041
current status of design and operation problems *(Hungarian)* 2−17838
data acquisition/control systems integration, DACOADA system 2−23032
data handling system redundancy, availability analysis 2−17864
decision making under risk in the case of nuclear power system development 2−23017
decommissioning, legal problems and licensing procedure *(German)* 2−7617
decommissioning in Federal Republic of Germany *(German)* 2−27618
decommissioning problems survey *(German)* 2−7616
design requirements, probabilistic and cost-benefit anal. 2−12341
diagnostic methods and apparatus *(Czech)* 2−27619
diagnostics of acoustic signals in power plant operation *(Czech)* 2−17890
diesel generator standby systems for nuclear power plants availability study by digital simulation 2−27774
district heating, with extended condenser sections, efficiency improvement *(Russian)* 2−3843
district heating appl. *(Norwegian)* 2−17927
district heating plant, SECURE, waste heat utilisation 2−7623
disturbance anal. systems for nuclear plant safety 2−23036
education and training of engineers, at Czechoslovak technical universities *(Slovak)* 2−13174
Electric Power Research Institute's Nondestructive Evaluation Center 2−17872
electric-power generating plants, operating statistics and data 2−12343
Electricite de France, SRDF reliability data collection system 2−17889
electricity generation statistics for 1980 in the EEC 2−27612
environmental noise prediction and optimization of noise abatement measures 2−7638
EPRI nuclear fuel-cycle accident risk assessment 2−12339
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems, reactor safety study appls. 2−3871
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems, reactor safety study appls. 2−7684
explosive dismantling practicality *(German)* 2−12369
fast neutron breeder reactors, economic aspects *(French)* 2−23053
feedwater distribution rings replacement *(German)* 2−23011
finned-tube heat exchanger dynamic behaviour model and expts. *(German)* 2−27616
fire occurrence rates in nuclear power plants 2−12356
fission reactor pressure vessels, pumps, valves, and piping, general design criteria given by ASME code, survey *(Croatian)* 2−12362
French, designs for export *(French)* 2−27651
French licensing procedure decentralising *(German)* 2−27613
French nuclear power programme based on 900 and 1300 MWe PWR standardised units, benefits 2−12350
fusion hybrid reactor for nuclear fission power station fuel prod. 2−7622
fusion reactor feedwater temp. control *(Russian)* 2−23014
Genkai power station, secondary water chemistry control 2−17906
German Federal Republic developments, back end fuel cycle concept implementation *(German)* 2−17828
German nuclear plant operation, 1980 Report *(German)* 2−23004
German risk study for nuclear power plants 2−3845
high power high temp. reactor, design concepts with process steam exchanger *(German)* 2−12403
high temperature reactor, construction planning concepts *(German)* 2−12402
HTGR, steam generator materials performance 2−7664
HTR status and possibilities for electricity generation *(German)* 2−27636
human factors engineering 2−12342
identification, nonlinear state-affine methods, appls. 2−7592
IEEE 323 qualification experience for Class 1E equipment 2−19475
in-service inspection, metallurgical flaw detection methods 2−23019
in-service inspection using data acquisition and processing system *(Japanese)* 2−16881
Inconel 600 tubing in nuclear power demonstration unit boiler, chem. cleaning 2−7676
KANUPP, reactor protection and control systems 2−7629
Karachi nuclear power plant, control and instrumentation technology 2−7628
Koeberg nuclear power station, in South Africa, erection progress report 2−12351
LMFBR, Phenix, construction, startup, operation and maintenance 2−17863
LMFBR boiler tubes, 9Cr-2Mo steel appl. 2−7633
LMFBR power plant experience, published Phenix data summary 2−23058
LWR, control-rod-drive operational events, defect flow anal. 2−7648
LWR, steam explosion following postulated core meltdown accident, containment failure anal. 2−12389
LWR nuclear plant shut-down costs *(German)* 2−12397
LWR safety program, Mod-3 results review 2−12340
maintenance, Swiss programme *(German)* 2−23006
maintenance personnel radiation exposure reduction measures, economic evaluation *(Russian)* 2−17858
maintenance planning, Swiss programme *(German)* 2−23008
man machine communication, Nordic cooperation project 2−7637
marine structures design objectives and criteria review *(French)* 2−23012
microprocessor-controlled nuclear steam supply system simulator for evaluation and training 2−17914
multi-span heat exchanger tubes, tube-support interaction, analytical and expt. studies 2−7660
NDT in maintenance inspection, developments *(Dutch)* 2−13250
noise and vibration problems and measures *(Czech)* 2−7625
nuclear power plant simulators, human factors design of instructor's console 2−23033
nuclear power station concrete press. vessel., 20 MN breaking load tension member development *(German)* 2−7639
nuclear reactor safety, EPRI sponsored research 2−27615
occupational radiation-exposure reduction technology planning study 2−17909
Oconee 2B once through steam generator tube vibr. response 2−17911
Oconee PWR, steam generator debris anal. 2−23060
olds, F.C. 2−3852
operate-shutdown decision and test policy of safety systems 2−7640

nuclear power stations continued
operating experience and start-up and adjusting work on the Kola nuclear power plant (NPP), Soviet Union 2−12359
operational waste materials and abandoned waste, storage in Konrad Fe mines *(German)* 2−12367
operator training scheme for Electricite de France *(French)* 2−27647
optimum load scheduling of nuclear-hydro-thermal power systems 2−22863
outages, minimum downtime and radiation exposure 2−27627
performance and operating data, 1978 and 1979 2−23059
personal dose determination *(German)* 2−23007
personnel, training and maintenance *(German)* 2−23005
plant availability improvement, transient analysis model 2−17869
plant decontamination methods review 2−3854
plant decontamination methods review 2−7635
plant man-machine interface design features and developments 2−17880
plant safety and availability, Operational Support Systems improvement 2−17879
plants and reprocessing facilities decommissioning, main parameters comparison *(German)* 2−7620
plants decommissioning waste disposal *(German)* 2−7621
plants under seismic loads, dynamic anal. with finite elements 2−12355
power cables, heat- and radiation-resistant, with mineral insulation for utilisation in nuclear power installations 2−27516
power cables insulation flame proofing and increased resistance to radiation 2−27498
power generation developments and staff training educational programme in Yugoslavia *(Croatian)* 2−27621
power supply continuity improvement to industrial areas by insularization 2−27338
power system interconnection, national and international, using increased number of nuclear generating stations *(French)* 2−27341
powerful asynchronous electric motors for the main circulating pumps of nuclear power stations 2−18241
pressure boundary components, requalification standard 2−23061
pressure tests on volume-compensator vessels *(Czech)* 2−17837
probabilistic safety study of Zion station 2−27628
process control software, reliable software, development and validation methodology 2−12376
productivity improvement program 2−12392
pump drives for cooling circuits, with convertor-fed synchronous motors 2−28150
PWR, 900 and 1300 MWe, French construction program status *(French)* 2−27644
PWR, bubble detection and level meas. in main coolant ccts. using ultrasonic transducers *(German)* 2−12400
PWR, heat transfer coeffs. under LOCA conditions in containment buildings 2−7658
PWR, two-loop, 600 MWe, designed for export 2−23042
PWR 900 MWe units, testing and starting-up *(French)* 2−27645
PWR and BWR plant decommissioning *(Dutch)* 2−27625
PWR boiler tubes, tube-tubesheet flushing procedure to remove contaminants, effectiveness evaluation 2−3855
PWR boilers, corrosion products on secondary side, chemical removal process 2−3856
PWR control with straight line steam generator *(German)* 2−12399
PWR plant availability-limiting factors analysed 2−17868
PWR plant component failures and protection system challenges 2−17871
PWR plant historical performance and availability improvement 2−17867
PWR power plants, current status *(Japanese)* 2−12349
PWR station nonradioactive wastewater wastewater treatment design and operation 2−23031
PWR total removal, flow chart concept *(German)* 2−3885
PWRs, fuel elements preparation and waste disposal *(Czech)* 2−27620
PWRs commissioning programme for Belgian electrical power generation industry *(German)* 2−27637
radiation doses due to accidental radioactive release, quick assessment *(German)* 2−7348
radiation exposure in nuclear power plants, reduction by preventive maintenance 2−17839
radioactive waste, repository site selection *(Czech)* 2−7354
Rancho Seco nuclear station, fuel cycle extension by part-length control rod removal 2−17898
RBMK graphite-water steam-generating reactor in the USSR 2−23024
reaction, optimal control using functional analysis 2−3861
reactor components demolition and dismantling *(German)* 2−12401
reactor elements Al coating 2−27633
reactor V-1, radiation protection and radiological supervision *(Slovak)* 2−7355
recommended surveillance and action requirements for large lead storage batteries at nuclear power generating stations 2−12348
regulation effect on capital costs and manual labour requirements 2−7626
regulations controlling construction and operation in France *(French)* 2−7632
reliability analysis procedures for utility power plants 2−17866
reliability characts. *(German)* 2−13318
reliability improvement, electricity generation cost effect 2−23022
respiratory hazard protection in a radioactive environment 2−27629
safe enclosure in decommissioning *(German)* 2−7646
safety, human factor considerations *(French)* 2−23056
safety, human factors influences anal. *(French)* 2−23027
safety aspects, comparison with other hazards 2−23018
security system design considerations 2−12347
seismic qualification of flexible conduit 2−17851
self-tuning load-following control of a nuclear power plant 2−3882
shut-down operation *(German)* 2−23010
simulation systems 2−17907
simulators in use for Electricite de France *(French)* 2−27648
Soviet nuclear power stations using RBMK-1000 reactors, improved water treatment system 2−17856
space-based, appls. of power beaming 2−17916
stabiliser using speed and electrical power inputs, design and field experience 2−3686
standard P690 for cable systems installation for Class 1E ccts. 2−17840
start-up, radiological meas. 2−7347
status and developments in USA in the 80s 2−17921
steam generator tubes, intergranular attack 2−23025
steam generators for nuclear power plants with breeder reactors 2−27631
steam plants, radioactive deposits formation processes and removal methods *(Russian)* 2−17857
nuclear power stations continued
steam turbines, thermodynamic transients, dynamic simulation model 2−12354
steel, pearlitic, under operating conditions of nuclear power plant drum steam separators, corrosion fatigue strength 2−13853
steel bar reinforcement for high loaded concrete structures in nuclear power plants 2−12357
steel drum containers survey for radioactive waste *(Japanese)* 2−7627
structural safety and performance, sub-coating defect effects *(French)* 2−27646
Super-Phenix steam generator 45 MW model, numerical simulation of operation on non-stationary regime *(French)* 2−27640
Swiss nuclear power station, weak radioactive waste solidification and intermediate storage *(German)* 2−12366
Switzerland, position and prospects *(German)* 2−23039
system reliability engineering, US nuclear industry perspective 2−7641
tackling erosion-corrosion in nuclear steam generating plant 2−3850
Tandem Mirror Reactor thermochemical H_2SO_4 process 2−12408
Tarapur nuclear power station, inservice inspection appl. 2−17891
technical staff training for power station operation 2−3851
temperature measurement techniques certification 2−17157
testing station for auxiliary nuclear pumps *(French)* 2−23028
theoretical and experimental work at Moscow Power Institute in USSR 2−17853
thermal fission reactors and fast breeder reactors, economic comparison *(Croatian)* 2−27374
Three Mile Island, reported human error factor, a counter argument *(German)* 2−17834
Three Mile Island nuclear station recovery−progress report, USA 2−12358
TMI-2 accident, thermal-hydraulic and core-damage anal. 2−17835
TMI-2 cooldown and cleanup 2−17870
TMI-2 tube vibration meas. program, sensor and instrumentation development 2−17908
Toshiba automatic load following operation system, reactor power regulator 2−12391
total decommissioning of nuclear facilities *(German)* 2−7618
training simulators 2−23035
transient thermohydrodynamic processes following rupture of steam-generating channel in water cooled water moderated reactor, development mechanisms *(Russian)* 2−17859
turbine rotor in-service inspection methods 2−23030
turbine-generator licensing and regulatory requirements 2−23029
turbogenerators, design and manufacture in Soviet Union 2−12601
U-tube boilers, dynamic thermal-hydraulic behaviour 2−17861
US power reactor operation 2−12344
V-1 Bohunice power plant, commissioning, primary circuit, pressure tests, power start-up *(Czech)* 2−3849
V-1 Bohunice power plant, commissioning control *(Czech)* 2−3848
V-1 Jaslovske Bohunice power plant, design and technical solns. *(Czech)* 2−3847
VVER 440 reactor primary and secondary circuit diagnostic system charcts. *(Czech)* 2−27641
warm water rejected by power stations, agricultural and piscicultural uses *(French)* 2−27679
weld defects inspection, automatic data recording and processing system 2−23020
wet steam turbines in low power operating region *(German)* 2−3858
worldwide availability in 1980 survey *(German)* 2−17827
H_2O_2 and dissolved gases in cooling water, chromatographic analysis 2−17984
^3H distrib. in poisoned fuel rods *(German)* 2−12368

nuclear pumped lasers
gamma-ray laser development review 2−1829
Ar-Xe multiple path fission foil nucl. lasing 2−10187
CO_2 nuclear pumped laser system using $He-N_2-CO_2-UF_6$ mixture 2−10190
^3He-Ne laser, CW nuclear pumped, lasing transition theory 2−15450
^3He-Xe laser, nuclear pumped, lasing at 2.63 μm 2−1837
^3He-Xe laser amplifier, direct nuclear pumped 2−20784
I laser, photolytic, nuclear pumped, photon transport computer code simulation 2−25693

nuclear quadrupole resonance
No entries

nuclear reactor fuel *see fission reactor fuel*

nuclear reactor instrumentation
BWR, neutron flux distrib. analyser, operational testing *(German)* 2−11842
BWR vapour content determ. by electric probe method *(Russian)* 2−17901
camera system based on Super 8, for safeguards surveillance 2−7043
control and instrumentation of multi-purpose very high temperature reactors *(Japanese)* 2−7655
CRT display variables and formats study for BWR power plant start-up operation 2−23041
diagnostics of acoustic signals in power plant operation *(Czech)* 2−17890
in-service surveillance for French PWRs, present and future techniques 2−12395
ion thermometers in reactor technology 2−11655
Karachi nuclear power plant, control and instrumentation technology 2−7628
LOFT, cooled coaxial low flow velocimeter development 2−22441
LOFT, flow calibration using drag disc/turbine transducer 2−22444
miniature proportional counters for neutron spectra meas. 2−17242
multiple-user data acquisition and analysis system for high flux beam reactor 2−7291
neutron activation, development, production and certification 2−12377
online diagnostic instrum. in nuclear power plants, experiences 2−12365
online surveillance and monitoring of plant reliability, conf., London, England (Sept. 1980) 2−8236
Princeton Tokamak Fusion Test Reactor, 1 mm wavelength electron density interferometer 2−22375
PWR, bubble detection and level meas. in main coolant ccts. using ultrasonic transducers *(German)* 2−12400
PWR coolant-level instruments, using differential pressure transducers 2−22443
PWR pressuriser instrumentation, bias identification, using generalised likelihood ratio technique 2−12407
spent fuel detector, portable, intelligent, for material safeguards 2−7294

nuclear reactor instrumentation continued
stereoscopic TV system for monitoring of Magnox nuclear power station 2−11259
TMI-2 tube vibration meas. program, sensor and instrumentation development 2−17908
two-phase flow meas., liquid thin film thickness determ. by impedance probes 2−22396
two-phase flow sensor, based on neutron field in reactor core 2−22442
Na cooled breeder reactor, distance meas. under Na by ultrasonic means *(German)* 2−9838

nuclear reactor materials *see fission reactor materials*

nuclear reactor operation *see fission reactor operation*

nuclear reactor theory and design *see fission reactor theory and design*

nuclear reactors *see fission reactors*

nuclear spin-lattice relaxation
No entries

nuclear track emulsions
electron microscope auto-radiograph resolution depend. on nuclear emulsion parameters *(Russian)* 2−17288
neutron personal film monitoring, equiv. radiation dose behind proton accelerator shielding 2−11851
scintillator for liq. scintillation counting *(Japanese)* 2−27059
semiautomatic search for particularly directed particles 2−27075
sensitivity to proton beams with energies of approx. 1 MeV 2−11850
sensitivity to proton beams with energies of approx. 1 MeV 2−17286
short-lived particle detection, review 2−3417
X-ray emission spectra meas., plasma diagnostics appl. 2−3414
X-ray mass attenuation factor at 10-200 KeV *(Russian)* 2−17289

number theory
see also digital arithmetic
applications in physics communication engineering and artistic designs 2−19065
bin packing conjecture, counterexample 2−8639
binary periodic sequences, construction *(Chinese)* 2−13501
consistency of strong partition relation 2−4842
decimal sequences of rational numbers 2−15838
digital convolver using Number Theoretic Transforms 2−5298
electromechanical pulse generator for circulant matrix finding 2−12705
estimating $|\alpha - p/q|$ 2−8618
FIN theory 2−8353
fixed integer primes 2−13355
Galois structure of the integers of metacyclic extension of a field of rational numbers *(French)* 2−24136
integer points on elliptic curves *(French)* 2−4832
m-sequences, benchwork synchronisation 2−26072
magnetic field calculations *(Chinese)* 2−21022
measurable cardinals beyond κ 2−8354
metabelian varieties, laws 2−334
multiplicative functions and Ramanujan's τ-function 2−333
negabinary arithmetics and systems, brief survey 2−19187
on duality theorems 2−8374
positive values of inhomogeneous quinary quadratic forms of type (4,1) 2−8616
pseudoprimes distribution 2−13356
semigroups, role in number theory 2−13362
transcendence properties of numbers related to theta functions *(French)* 2−4830

numerical analysis
see also approximation theory; curve fitting; difference equations; error analysis; finite element analysis; function approximation; function evaluation; functional analysis; functional equations; interpolation; iterative methods; Monte Carlo methods
800 MW generator bus-bars phase-by-phase screened 3-phase current conductor electromagnetic field numerical anal. 2−27870
A/D conversion error correction algorithm 2−26843
Aitken's Δ^2, optimality for acceleration of linear convergence *(French)* 2−24223
alternators, MF, precise permeance calculation methods 2−27900
ammonia thermochemical energy transport/ in a distributed collector solar thermal power plant 2−23203
anharmonic oscillator Schrodinger equations 2−13659
bipolar semiconductor components simulation and anal. using TRANAL programming system *(German)* 2−1360
bulk-barrier diodes, self consistent numerical anal. *(German)* 2−25182
chalcogenide thin films, switching transient state characts. anal. based on space charge overlapping model 2−9452
circular microstrip disc capacitance calc., appls. in MIC 2−14287
complex figure length meas., theoretical and experimental anal. *(Japanese)* 2−13395
computer appl. in math. statistics *(Croatian)* 2−19141
deconvolution and the renewal equation 2−8788
double-curved mirror antennas, radiation characts. calc. using Gaussian integration method *(Czech)* 2−6364
Earth EM induction, numerical methods for establishing solns. to inverse problem 2−17553
effects of environmental temperature fluctuations on the parameters of a thermoelectric battery 2−19276
Maxwell's equation solution for axisymmetric invariance case *(French)* 2−23757
MHD convertors, open-cycle linearly-diverging diagonal-type single and multiple load, performance anal. using new quasi-two-dimensional theory 2−18605
microstrip lines on anisotropic substrates, hybrid mode anal. 2−24641
open-cycle diagonal type MHD generator three-dimensional anal. using equivalent circuit method 2−18604
parallel slit spatial filter for circumferential vel. meas., optimum slit number 2−15367
power transformer oil insulation AC and switching impulse strength measurements anal. using estimation method based on functional networks with fixed shape parameters *(Polish)* 2−27983
power transformers, EHV, windings temp. rise and additional losses distribution calculating numerical method *(Czech)* 2−27955
practical optimisation, book 2−8656
principal components analysis, APL functions 2−24222
second-order PLL, pull-out frequency 2−19595
single phase transformers, inrush currents calc. 2−12697
skew dipoles, mutual impedance calc. using induced EMF and numerical integration method *(Japanese)* 2−15779

numerical analysis continued
submarine power cables, self-contained, oil-filled, hydraulic design 2−7548
Super-Phenix steam generator 45 MW model, numerical simulation of operation on non-stationary regime *(French)* 2−27640
Super-Phenix steam generator model, dynamic stability synthesis studies *(French)* 2−27639
thin film magnetic heads, single turn, saturation effects 2−15192
CO_2 pulsed amplifier, thermal defocusing, numerical anal. 2−25708
HF-HCl CW chain-excited self-contained chem. laser utilising an F-H_2-ClF-He mixture 2−20815
Si wafer, low power electron irrad. with conventional electron gun, heating effect numerical simulation 2−14618

numerical control
see also computerised numerical control; digital control; machine tools
CAD/CAM, gains in printed circuit design and production 2−19947
digital code convertor, effect of buffer dividers on nonuniform binary pulse sequences *(Russian)* 2−5168
electrical power demand of machine tools 2−13105
laser beam appl. to numerical control of workpieces in industrial production *(German)* 2−15590
machine tools setting instruments production 2−16801
path measuring and path control, components *(German)* 2−4497
stratified wire for travelling wire electrical discharge machining 2−4511

numerical methods
see also convergence of numerical methods; predictor-corrector methods
Abel's integral eqn., Chan-Lu method for inversion 2−8416
algorithm for the analysis of the dynamics of rotating electrical machines with ring and bar commutator windings 2−4232
analogue system spectra with periodically operated switches *(German)* 2−8962
analysis of steady state of electric power network with random network parameters 2−12217
aquifer field test for compressed air energy storage 2−12520
axial induction motor, EM field and energy losses in ferromagnetic bed, calc. *(Russian)* 2−7837
beam transverse shear and rotary inertia Gaussian model 2−13789
bimetallic disc stress anal. differential equations model 2−8727
block-by-block method for Volterra integro-differential equations with weakly singular kernel 2−519
boundary-value problem dimensional reductions method 2−517
bounds of Galerkin projections on splines with highly nonuniform meshes 2−19370
C-CD, surface channel, numerical anal. of charge capacity 2−5754
cable models, finite segment, fluid force representation Lagrange equations 2−13739
Cauchy type singular integral equations, solution using piecewise quadratic polynomials 2−13790
charge simulation method with complex fictitious charges for calculating capacitive-resistive fields 2−12280
charged particle transport in plasma, Fokker-Planck eqn. soln. by matrix factorisation 2−8736
chemical engineering, extraction column simulation 2−4915
chopper driven DC motor back EMF calc. model 2−4224
compressible flow patterns, streamline coordinates use in numerical soln. 2−8774
computation of a DC brushless motor with rare-earth cobalt magnets and controlled power electronics 2−4221
computer simulation of DC machines 2−4233
continuous function approximation, singular integrals 2−19309
controller partial state observer matrix Riccati equation 2−4917
current source invertor fed induction motor numerical speed control 2−4181
decomposition local functional 2−19333
deconvolution of signals from scientific meas. instruments 2−11993
dielectric waveguide of arbitrary cross-sectional shape, extended boundary condition method for guided modes anal. 2−19837
differential eqns., numerical methods for solving with inadequate data 2−8734
differential equations numerical solution, finite approximations method 2−4953
differential equations T-transformation method efficiency *(Russian)* 2−503
differential equations weak focus cycles without contact construction method 2−13759
differentiation 2−19374
discontinuous mathematical model of squirrel case asynchronous motors 2−7862
discrete approximation framework for hereditary systems 2−4959
discriminating stability for second order linear system *(Chinese)* 2−13687
distributed systems freq. response solution 2−19332
distribution-moment approximation for kinetic theories of muscular contraction 2−13778
doubly curved isoparametric triangular shell stress anal. model 2−8768
doubly curved quadratic shell element, penalty factors appl. 2−8659
dynamic model for the simulation of the switching properties of thyristors 2−4398
dynamic response by means of functions of matrices 2−13788
eddy currents at power frequencies computing, numerical solution of 3-dimensional problems 2−21029
eigenvalue sensitivity analysis in relation to dynamic performance of large generators with excitation system 2−4099
eigenvalues numerical algorithm 2−19319
elastic plates, anal. by segmentation method 2−13735
electric furnaces wall heat flow model *(Croatian)* 2−18763
electric machine winding temp. rise calc. algorithm 2−4043
electric machines design, appl. of numerical methods *(Croatian)* 2−27879
electron lens numerical design 2−2085
elliptic boundary-value problems dimension reduction method 2−473
elliptic equations, on domains with corners, approximation 2−24260
elliptic problem, singularity calculating *(French)* 2−24221
EM fields, 3-D, numerical solns., singularity/integral eqn. method 2−15601
EM screen, integral eqn. anal. 2−15731
existence and approximation for stationary Hamiltonian Jacobi equations 2−19359
existence and dimensions of a rotating white dwarf 2−19347
exponential function approximation 2−4933
exponential function evaluation using microcomputers 2−457
Feynman integral equation solution 2−537

numerical methods continued
Fourier analysis of linear induction pumps/ with concentric windings/ and infinite arrays/ 2−4157
fundamental solutions of equations of shallow shells 2−8762
Galerkin's method, for current distrib. of fund. and higher modes of normal waves in unbalanced stripline 2−21182
Galerkin method for matrix operation 2−19278
Galerkin methods for numerical solution of singular integro differential equations 2−495
gas dynamics partial differential equations 2−13771
generalized Chebyshev method for nonlinear parabolic equations in one space variable 2−24257
global existence for a delay differential equation 2−505
graded-index optical fibres, wave equation solutions by means of multiparabolic approx. 2−15306
gradual underflow in computer arithmetic 2−8657
grid stretching in finite difference calculations 2−19376
Hankel transform numerical evaluation, discrete Laguerre polynomials appl. 2−8682
hazard anal., appl. of numerical methods to safety problems 2−8217
high-speed electrical machines, problem of optimisation of flexible mounts compliance *(Russian)* 2−12609
hydrocode subcycling stability 2−4973
hyperbolic equations propagation through numerical mesh requirements 2−13780
hyperbolic quasilinear initial value problems *(French)* 2−13721
implicit first order ordinary differential equations, numerical soln. methods 2−24255
implicit schemes and LU decompositions 2−13660
induction motor harmonics differentiation model 2−4204
induction motor rotor slot influence and starting phenomenon model 2−7858
induction motor stability nonlinear differential equation model 2−7851
induction pump, linear, boundary integral eqn. soln. 2−15616
industrial robot pneumatic actuating mechanism braking numerical integration model 2−19379
integer-valued linear programming soln., heuristic self-organisation algorithm 2−19264
integral equations, first kind, numerical soln., comparison of methods 2−8782
integral equations, numerical solution using antenna potential method 2−541
integral equations general quadrature methods 2−19381
interleaved disc reluctance motor torque parametric study 2−4067
interpolation formula using Taylor's formula of operational calculus *(German)* 2−8721
interpolation minimal and maximal methods 2−19296
invariant sets for functional differential equations in Banach spaces and applications 2−19360
invertor driven induction motor, PWM performance anal. 2−4168
invertor driven squirrel-cage induction motor, PWM performance anal. 2−4173
invertor fed synchronous motor excitation control and performance anal. 2−18204
irregular air gap cross armature reaction demagnetising effect 2−4234
Jacobian elliptic function Taylor series expansion 2−13664
Laplace equations, penalty method appl. 2−8749
large circuit nodal analysis, numerical implications of reference node choice 2−8949
large scale nonlinear differential equations approximation algorithm 2−513
Legendre-Hadamard matrix *(French)* 2−13652
linear induction motor air gap magnetic field model 2−4152
linear induction motor field and force distribution double Fourier series model 2−4150
linear induction motor finite iron and secondary width effects model 2−4149
linear induction motor magnetic fields calc. model 2−4153
linear induction motor partial differential equations model 2−4148
linear induction motor short stator end effects model 2−4151
linear squirrel cage motor, single side, magnetic field calc. partial differential equation model 2−4161
Lyapunov equations 2−8361
M-matrices LU factorisation 2−19221
magnetic bubble current access propagate circuits, numerical simulation 2−15227
mathematical modelling of AC-type hybrid step motor 2−4253
matrix inverse algorithm 2−19336
matrix inverse approximation, iterative refinement, ALGOL procedures 2−24249
matrix LU decomposition, nonlinear least-squares approximation 2−19279
matrix sparse quasi-Newton updating 2−13661
modified asymptote superposition for electrochemical cell electrode polarization 2−18435
monotone-gradient systems 2−13758
moving weighted average smoothing extended to the extremities of the data, stability and optimal properties 2−19096
multiconductor overhead lines, transients calc. *(Polish)* 2−17752
multiobjective linear programming, RESTEM interactive method *(Japanese)* 2−428
multiple integral asymptotic expansion 2−13796
multiple regression analysis, solutions based on Crout's matrix using desk calculators *(German)* 2−8696
multistorey building stress direct P-delta anal. 2−8664
n-dimensional convolution integrals computation 2−8789
network anal. matrix cascade addition 2−13666
no-load voltage of a homopolar inductor alternator 2−4236
non-linear potential problems, boundary integral eqn. soln. 2−24270
nonlinear, nonhomogeneous media neglecting eddy currents, computation by numerical method, power transformer appl. 2−18291
nonlinear creep buckling analysis of initially imperfect shallow spherical shells 2−8730
nonlinear differential equations hierarchical successive approximation algorithm 2−514
nonlinear integral equations 2−19382
nonlinear scattering theory for differential equations 2−19349
nuclear fuel rods nondestructive assay using lead spectrometer 2−7644
one-parametrer embedding methods 2−24241
optimal control of an exterior Robin problem 2−13658
optimal numerical differentiation using three function evaluations 2−520
numerical methods continued
optimum design of stiffened conical shells with natural frequency constraints 2−8772
ordinary differential equation terminal value problems 2−19356
oscillatory and singular integrands computation 2−540
parabolic partial differential equations numerical weak solution 2−19348
parabolic stiff integration, linear multistep method 2−19383
partial differential equation collocation method solution 2−530
permanent magnets, anisotropic, force anal. 2−15104
phase-locked loop control schemes of linear and nonlinear DC motors 2−4223
plane elasticity, Cauchy type, integration algorithm 2−8770
power electronic convertors, numerical method for determ. of harmonics of line current/voltage waveforms of supply mains 2−18354
power system transients model, Kron matrice method *(Russian)* 2−19273
Prandtl integral equations, discrete vortices method solution 2−8785
propulsion/levitation linear synchronous motor magnetic field calc. model 2−12617
pulse current invertor fed induction motor, transient differential equation model 2−4184
pyrometry integral equation numerical solution 2−11490
quadratic matrix equation algorithm 2−19320
quasi-Newton algorithm for the control of large nonlinear econometric models 2−434
quasi-Newton method unconstrained optimisation *(German)* 2−19298
quasi-Newton method unconstrained optimisation *(German)* 2−19299
quasi-Newton methods for differentiable function approximation 2−13691
quasilinear elliptic integral-differential equations 2−8786
rational function approximation strong unicity constants 2−8686
reaction diffusion equations asymptotic behaviour 2−509
renal models, Simpson rules 2−13777
resonant stop in rectangular waveguide H_{10} wave diffraction 2−928
Riccati equations, algorithm 2−19270
rod lengthwise shock Boltzmann Volterra equations 2−4965
rotational motion of the short-stator in the single-sided linear induction motor/ 2−4158
second order differential equation asymptotic solution 2−19372
segment stator linear motor edge effect field harmonic theory model 2−4241
semiconductor diode, one-dimensional symmetric model, numerical soln. 2−9603
simplex methods of direct search 2−8642
simulation of AC machines by SPICE program 2−4108
single-mode optical fibres, numerical method for cut-off freq. 2−20638
single-mode step-index fibres, prediction of laser wavelength for min. total dispersion 2−25510
singular integral eqns., closed and semi-closed quadrature rules appl. to direct numerical soln. 2−8775
singular oscillatory integrals asymptotic formula 2−13795
singular value decomposition for the Radon transform in n-dimensional Euclidean space 2−8695
singularity subtraction in the numerical solution of integral equations 2−8776
skew-reflection matrix and the generalization of householder transformation *(Chinese)* 2−13707
smeared vectorial measurement 2−19307
smooth PDE R^n solution 2−13757
solar salt-gradient pond surface convective layer partial differential equations model 2−8765
solid rotor electric machines eddy currents calc. algorithm 2−533
sparse matrix, AQ algorithm 2−447
sparse matrix, portable software 2−449
sparse matrix appl., conf. at Reading, UK 1980 2−439
sparse matrix for power system transient stability anal. 2−3663
sparse positive definitive systems 2−446
sparsity minimisation, Newton method 2−440
spline approximations for neutral functional differential equations 2−19305
squirrel-cage motor starting current calc. differential equations model 2−7853
steam turbine blade rotor nonadiabatic viscosity, integration model 2−17999
stiff ordinary differential equations solution 2−19353
stochastic system optimal control differential equations model 2−13734
Stokes equation, conditions for numerical solution *(French)* 2−19365
stress anal. slope stability limit equilibrium method 2−8660
stress boundary integral equations numerical algorithm 2−8769
stress transient anal., continuous space continuous time method model 2−8663
structural stiffness matrix equations, resumable segment computerised solutions 2−13655
superconducting, magnetic field calc. 2−7833
superconducting AC generator torque model 2−7834
superconducting AC generator transient currents calc. 2−4075
superconducting alternator equivalent circuit model 2−4077
superconducting generator magnetic fields calc. 2−4074
superconducting generator transient behaviour 2−4079
superlinear convergence of symmetric Huang's class of methods 2−19297
surface structures numerical solution, three-dimensional, using isolines, gears synthesis appl. *(German)* 2−8707
switchgear electrodynamic forces calc. program using BASIC *(Polish)* 2−18393
symmetric Gaussian elimination, numerical algorithm data structures 2−19321
symmetric linearised eigenvalue problems simultaneous inverse iteration 2−8661
synchronous generator transient characts. model 2−4088
Szego limit theorem for matrix factorisation 2−19274
Taylor's series approximation method using dynamic programming 2−19267
Taylor series expansion 2−13663
thyristor controlled DC motor anal. 2−4222
Toeplitz system, numerical algorithm 2−19322
transfer function polynomials orders reducing, meas. and control theory appl. 2−16758
transient acoustic response of submerged shells 2−13693
transient performance of the induction machine with deep bar rotor 2−7852
transient thermal analysis of turbo-generator rotor by finite element method 2−4042
transmission problem, partial differential equation 2−8750

numerical methods continued
transport partial differential equations diffusion approximation *(French)* 2−13722
transportation reliability numerical anal. algorithm 2−19055
transverse shear and rotatory inertia effects on nonlinear vibration of orthotropic circular plates 2−8732
turbogenerator slot leakage inductances numerical calc. model 2−4093
two-point boundary value problems, error estimates for collocation method 2−24258
VLSI parasitic capacitance determination by flux tubes 2−25297
Volterra integral eqns. of second kind, reducible quadrature methods, numerical stability 2−8787
weak continuity and compactness of nonlinear mappings 2−19361
numerical methods, convergence *see convergence of numerical methods*
nutation, Earth *see Earth rotation*
Nyquist criterion
see also Nyquist diagrams
IIR Nyquist filter with zero intersymbol interference, freq. response approximation 2−24611
subsynchronous resonance with reference to Koeberg and the series-compensated transmission system 2−3737
Nyquist diagrams
see also Nyquist criterion
electric motor speed regulator tuning parameter anal. using statistical theory *(Dutch)* 2−18158
frequency synthesis by phase-locked loop *(German)* 2−9016
Nyquist noise *see thermal noise*
observability
distributed parameter systems, boundary control and boundary observation *(Chinese)* 2−13368
feedback system differential equations 2−13749
large-scale system estimation, using decentralised sequential observer with iterative prediction *(Japanese)* 2−17625
logic testability computer-aided analysis, figure of merit criterium demonstration 2−19652
Luenberger type observer-controller design, single machine infinite bus power systems 2−3681
matrix algebra 2−8371
on-line observability determination for power system monitoring 2−7508
power system, nonlinear observability, quantitative estimate 2−12159
power system monitoring activities, topology, observability and state estimation 2−3717
ocean thermal energy conversion
10 MW power station, Dutch activities in the OTEC field *(Dutch)* 2−23198
50 kW(e) power plant, Mini-OTEC operational results 2−23207
450 MW power generation unit for Puerto Rico, OTEC versus fossil fuel/nuclear plant, evaluation 2−3992
Alclad-aluminum folded-tube heat exchangers for OTEC power plant 2−7784
biofouling in simulated OTEC evaporator tubes on at-sea research platform at Punta Tuna, Puerto - Rico 2−7786
boiler transient modelling 2−18071
cold water intake pipe design against resonant excitation by vortex shedding 2−3976
conceptual designs for commercial OTEC-ammonia product plantships 2−8122
design of 40-MW grazing and moored OTEC pilot/demonstration plants 2−18073
developmental testing of a concrete cold water pipe for ocean thermal energy conversion (OTEC) s-ystems 2−7783
economics anal. and applications 2−23201
energy conversion from ocean thermal difference and salinity gradient, characts. and prospects *(Japanese)* 2−3980
evaporator transient model 2−18076
Florida Power Corporation OTEC planning study, USA 2−7788
French works on sea thermal energy *(French)* 2−12542
fuel cells and hydrogen technology 2−7785
marine microfouling on Al and Ti heat exchanger surfaces at OTEC facility, Puerto Rico 2−7787
pilot plant heat engine system design, construction and performance 2−18077
programme in the Micronesian islands 2−22986
projected costs for electricity and products from OTEC facilities and plantships 2−18074
Al industry appls. for OTEC power plant 2−8109
NH_3 turbine design for OTEC plants 2−7781
ocean water *see seawater*
ocean waves
N Adriatic Sea, wave direction and spectra obs. 2−27286
direction and spectra measurement, press. transducer equipment 2−27286
EM scattering theory for SAR imaging, Green's function method 2−16508
high freq., meas. by wire probe 2−22728
Ku-band ocean wind/radar signature 2−27280
microwave radiation from water surface, temp. variations in presence of ripples determ. 2−27283
microwave signals reflection from sea surface, artificial antennas synthesis 2−3624
orbital motion of azimuth waves, effect on SAR response 2−17576
profiling system for surface effect ship 2−22743
radar backscatter meas., X-band FM/CW, North Sea Platform Noordwijk project 2−27281
radar surveillance of sea-state, surface current and surface wind 2−22736
SAR imagery 2−6854
sea state rel. to coastal plant safety *(French)* 2−23180
SLAR imagery of sea, research results until 1978 2−7445
spectral meas., short pulse and dual freq. radar techniques 2−27289
surface nonuniformity detection by radar *(Russian)* 2−7442
synthetic aperture radar backscatter 2−17575
tsunami, mantle wave magnitude scale appl. to prediction 2−17542
vertical shears in open ocean, direct measurement 2−3617
oceanic crust
vertical movements preceding earthquakes, detect by telemetry ocean bottom press. obs. system 2−17566
oceanographic equipment
see also oceanographic techniques; water pollution detection and control
Aanderaa base sea-bed instrument, for current and pressure meas. 2−22741
oceanographic equipment continued
buoy system, microprocessor based data acquisition and processing 2−22738
computerised conductivity-temperature-depth telemeter 2−22739
conductivity probe, dynamic response meas., salt-stratified tank design 2−7443
current meter, solid-state encoding system 2−22742
deep ocean particle sampler 2−22734
echosounder for fish size meas., based on swimbladder resonance 2−27296
electronics for ocean technology, conf., Birmingham, England (Sept. 1981) 2−18865
environmental parameters recorder, undulating, with data acquisition and processing 2−22740
estuaries environmental data collection, low-cost data buoy system 2−22737
expendable bathythermographs as temperature microstructure profilers 2−27288
exploding-wire underwater electroacoustic generator construction 2−3650
fishing gear computerised instrumentation, using hydrophones 2−27297
fluorescence lidar system, tracer dye detect. in ocean waters 2−17570
gamma-ray spectrometer complex for bottom sediment analysis 2−17567
lidar for airborne tracer dye experiments 2−3614
maritime EM prospecting equipment, composite dipole radiator appl. *(Russian)* 2−22730
microwave scatterometer and radiometer, simultaneous meas. of sea-ice signatures 2−27282
Multisonde system, appl. in Arctic and Antarctic waters *(German)* 2−7447
optical surface structure scanner 2−3623
parametric acoustic arrays, applns. in oceanographic research 2−17572
probe for ocean wave height meas. using capacitance change 2−22727
Recon II, underwater reconnaissance unit with TV camera 2−6946
reduction column for nitrates determ. in seawater 2−3619
remotely-monitored water sampler 2−27290
salinity measurement equipment for negatively buoyant plume 2−17569
salinity-temperature profilers (expendable), meas. errors 2−22729
sand bedforms movement monitor, with EPROM data storage 2−22731
sea-bed measurement and logging using computerised techniques *(Swedish)* 2−26543
SeaSat-A scatterometer, Ku-band ocean wind/radar signature 2−27280
six port underway water sampling system 2−3618
sonar for acoustic tags position tracking, for fisheries research 2−26544
sonar systems, computer modelling, fish abundance meas. appl. 2−27292
spectrophotometer for seawater light extinction in UV and visible 2−3620
submersible fluorimeter for chlorophyll detection 2−22733
telemechanical system for hydrophysical studies in the ocean 2−17568
telemetry ocean bottom pressure observation system at depth of 2200 m, appl. to earthquake prediction 2−17566
VACM temperature sensor dynamic response 2−27278
thermometer, Pt-wire based with high resolution 2−7444
tidal flow sand suspensions meas., piezoelectric impact sensor design 2−22732
tide indicator using LED array 2−17010
wave direction and spectra measurement system 2−27286
wire probe for measuring high frequency sea waves 2−22728
oceanographic techniques
see also oceanographic equipment; water pollution detection and control
acoustic assessment of fish stock, using microprocessors as target classifiers 2−27295
acoustic reflections from subsurface layered media, event enhancement 2−27285
acoustic tomography, tidal anal. of intermittent acoustic obs. 2−17565
chlorophyll a detection by airborne spectroscope/laser system 2−7439
current and power calculations in ERZU-1 tube electrode systems in conducting medium 2−17571
depth measurement with airborne laser system 2−3613
drifting buoy observations using satellite telemetry 2−22735
echo sounding, signals asynchronous accumulation method 2−3621
electronics for ocean technology, conf., Birmingham, England (Sept. 1981) 2−18865
EM techniques, for ocean currents investigation *(Russian)* 2−7446
expendable bathythermographs as temperature microstructure profilers 2−27288
expendable current profiler for direct measurement vertical shears in open ocean 2−3617
ice broad-band backscatter meas. from low-altitude 2−26529
microprocessor systems for 'SMARTIE' 2−3628
microprocessor-based data logger 2−3626
microprocessor-based Doppler sonar current profiler 2−3625
microprocessor-based oceanographic system 2−3630
microprocessor-based remote subsea equipment 2−3629
microprocessors for presentation of sidescan sonar data 2−3631
microprocessors on data buoys 2−3627
microwave radiometry of ocean surface and atmosphere, inverse problems formulation and solution 2−27284
microwave signals reflection from sea surface, artificial antennas synthesis 2−3624
nitrates determ. in sea and fresh water, improved reduction column method 2−3619
polar oceans sounding, appl. of Kiel Multisonde system in Arctic and Antarctic waters *(German)* 2−7447
radar backscatter meas., X-band FM/CW, North Sea Platform Noordwijk project 2−27281
radar surveillance of sea-state, surface current and surface wind 2−22736
remote sensing, satellite and ship data on surface-water temp. in equatorial Atlantic 2−12086
remote sensing by ocean acoustics, environmental depend. of detection conditions, prediction *(German)* 2−12084
remote sounding of atmosphere and ocean, for climate research 2−3585
remote-controlled submersibles, underwater technology research development 2−22092
salinity-temperature profilers (expendable), meas. errors 2−22729
sediment conductivity determ. using sea current electric field 2−12082
sediment identification, by wideband HF sonar transmissions 2−27293
SLAR imagery of sea, tidal patterns and currents obs. and bathymetry 2−7445
sonar, multibeam, with colour display 2−26549
sonar, sea bed stereoscopic visualisation and contour mapping 2−27294
sonar systems computer modelling, fish abundance meas. appl. 2−27292

oceanographic techniques continued
spaceborne ocean observations, NASA programs 2−17578
surface nonuniformity detection by radar *(Russian)* 2−7442
temperature meas., correction of dynamic errors from discrete data 2−27287
tension in trawl warps, microprocessor-based underwater tension meter 2−26755
tidal channel flow, laser Doppler velocimeter meas. of geophysical turbulence 2−17574
towed systems used in echo sounding, disadvantages 2−3621
tracer dye monitoring of surface waters, fluoresc. lidar design 2−3614
wave direction and spectra measurement system 2−27286
wave profiler, using near-IR laser ranging device 2−22221
wave profiling system for surface effect ship 2−22743
wave spectra meas., short pulse and dual freq. radar techniques 2−27289
CO_2 global atmospheric meas., using computer-based meas. systems 2−12080

oceanography
see also ocean waves; seawater; sediments; tides
antisubmarine warfare equipment development appl. 2−6859
equatorial Atlantic Ocean, comparison of satellite and ship data on surface water temp. 2−12086
bottom pressure, meas. by telemetry system at depth of 2200 m 2−17566
currents investigation, EM techniques anal. *(Russian)* 2−7446
echo sounding noise stability improvement 2−3621
Freeport, Texas, coastal waters, negatively buoyant plume anal. 2−17569
North Sea, radar backscatter meas. from Nordwijk platform 2−27281
polar oceans sounding, appl. of Kiel Multisonde system in Arctic and Antarctic waters *(German)* 2−7447
underwater light, in optical propagation conference, Monterey, California, (1981 April 6 to 10) 2−16490
vertical shears in open ocean, direct measurement 2−3617

OCR *see optical character recognition*

oecology *see ecology*

OH^--centers *see OH^--centres*

OH^--centres
$LiNbO_3$:Fe, thermal fixing of holograms, evidence for mobile H^+ ion mechanism 2−15573

ohmic contacts
glass slide, ohmic contacts of high mech. strength, prep. 2−9264
HV CMOS technology 2−25344
hybrid process for contact metallurgy 2−20133
laser diodes metallisation and heat sink problems, (AlGa)As and InGaAsP 2−6218
laser processing research at Texas A&M University 2−9543
metal-semiconductor contacts, review 2−20134
n^+/p^+ tunnel junction, MBE, ohmic contact for cascade solar cell 2−4345
Pd contact metallurgical processes, for double polysilicon memories 2−5703
semiconductor device fabrication, MBE appl. 2−5709
semiconductor devices, effect of contact size and non-zero metal resist. on specific contact resistance 2−25072
semiconductor test wafer fabrication 2−1267
solid-state devices, conf., Toulouse, France (Sept. 1981) 2−23892
stripe-geometry laser with in-situ ohmic contact and self-aligned ntive surface oxide mask using MBE 2−25780
Au/Ni/SnNi/n-GaAs interface, ohmic contact form. 2−25070
Au-Ge laser-annealed ohmic contacts on GaAs, microstruct. and resistivity 2−14698
AuGe, to GaAs, fabrication and props. 2−5708
GaAs metallisation, problems and trends 2−1324
GaAs n^+/p^+ tunnel junction, MBE, ohmic contact for cascade solar cell 2−4345
GaAs power FETs, failure modes, ohmic contact electromigration and formation of refractory oxides 2−14886
n-GaAs:Sn, laser-assisted doping from Sn evaporated films, ohmic contact form. 2−20194
GaAs/Au-Ge ohmic contacts, laser annealed, resistivity and SIMS profile 2−14697
GaAs/AuGeIn Gunn diode ohmic contacts, microstructure, correl. with device performance 2−25076
GaAs-$Al_{0.2}Ga_{0.8}Sb$ non-lattice matched stacked solar cells, laser bonding 2−23630
GaAs-AuGe/Pt pulsed electron beam alloyed ohmic contacts, reliability 2−1229
GaAs-GaSb n-p heterojunction intercell Ohmic contact, laser bonded, for monolithic multicolour solar convertor 2−5601
GaAs-metal ohmic contacts, microstructure, correl. with elec. characts., electron microscopy obs. 2−20139
GaAs-Sn layers, laser annealed, interface struct. and diffusion 2−14699
$Ga_{1-x}In_xAs$ graded band gap layers, ohmic contacts to n-GaAs grown by MBE 2−5613
p-GaP/Au-Zn contact system, out-diffusion process, barrier metals effect 2−25069
Ge, amorphous, elec. props. 2−9460
Ge nuclear radiation detectors, laser doped Li contacts 2−11797
Ge-Bi(Sb), amorphous, elec. props. 2−9460
Ge-GaAs interface grown by MBE 2−1217
InGaAsP, low specific contact resistance, metallisation 2−1237
InP, low specific contact resistance, metallisation 2−1237
InP surface, n- and p-type, lightly doped, ohmic contacts 2−5612
InP/Ag Gunn diode ohmic contacts, microstructure, correl. with device performance 2−25076
InP-metal ohmic contacts, microstructure, correl. with elec. characts., electron microscopy obs. 2−20139
n-InP-Sn-Au alloyed ohmic contact formation, contact resistance depend. on annealing temp. 2−5633
Mo-Si contacts, P ion implantation effects 2−5628
Si nuclear radiation detectors, laser doped Li contacts 2−11797
Si, solar cell type, contact resistivities of transition metal nitride metallisations 2−20216
Si solar cells and arrays, design and fabrication problems *(Japanese)* 2−4361
n^+-Si/Al solder, ohmic contact, invest. of form. *(Japanese)* 2−1231
WSi_2 interconnection for VLSI circuits 2−15020

ohmmeters
see also electric resistance measurement
error tolerances normalisation 2−17025
minicomputer calibration 2−22089

ohmmeters continued
R-C meter using 180° vector method, HF appls. *(Japanese)* 2−3246
RLC measurements, instruments and methods, review *(French)* 2−3190

oil circuit breakers
see also insulating oils
11kV, arc control pot and operating lever design considerations 2−4305
disadvantages compared to vacuum circuit breakers for MV installations *(German)* 2−28054
electric current interruption tests in insulating oil medium, effects of test interval times on transient voltage recovery curve 2−7938
interruption of small currents in insulating oil medium, current chopping and initial transient recovery voltage 2−7939

oil refining
Colorado oil shale retorting projects, process details and rationale 2−13119
fractionation optimisation through advanced control 2−18818

oil technology
see also oil refining
cogeneration potential for enhanced oil recovery in USA 2−23115
Colorado oil shale retorting projects, process details and rationale 2−13119
communications system for NE Shetland basin 2−10956
digital techniques applied to subsurface geophysical data 2−7426
heavy oil development project, Orinoco Oil Belt, Venezuela 2−7607
oil shale quality upgrading by washing in dense media *(Rumanian)* 2−12329
remotely controlled underwater vehicles for pipeline and oil rig structure maintenance, improved TV display 2−22175
synthetic crude oil from tar sands, commercial plants 2−7606
well logging, nuclear techniques 2−3427

oils, insulating *see insulating oils*

omegatrons *see cyclotrons*

on-off control
see also bang-bang control
No entries

one-dimensional conductivity
conference, Boulder, Colorado, USA (Aug. 1981) 2−23867
polyacetylene, doped, elec. cond. freq. depend., soliton model 2−25041
polyacetylene, elec. transport, mag. and struct. props., review 2−25039
polyacetylene, electron hopping cond., soliton model 2−25040
polyacetylene epitaxial layers, optical and elec. anisotropy 2−25042

one-dimensional conductors *see one-dimensional conductivity*

online literature searching *see information retrieval*

online operation
used for systems software in online and real-time systems but for hardware aspects see real-time systems
see also real-time systems
Navy ATE systems on-line certification 2−22144
power plant performance meas., online instrumentation development 2−17786
power system control, real time results with on-line network equivalents for control center applications 2−17642
road traffic automation, digital integrated telecommunication system decomposition 2−16191

online programming *see interactive programming*

Onsager theory of dielectrics *see dielectric properties of substances*

opacimeters *see turbidimetry*

OPDAR *see optical radar*

operating amplifiers *see operational amplifiers*

operating systems (computers)
see also distributed processing; input-output programs; report generators; supervisory and executive programs
DIPS, mass memory system control *(Japanese)* 2−6592
DIPS 104-02, data communications appl. *(Japanese)* 2−6585
DIPS 104-02, mass memory system perf. measurement, data communication appl. *(Japanese)* 2−6593
DIPS 104-02, support system, data communications appl. *(Japanese)* 2−6589
DIPS 104-02 operating system, software quality control techniques *(Japanese)* 2−6590
DIPS 163-10 time-sharing package, data communication appl. *(Japanese)* 2−6587
DIPS standardised operating system, DIPS 104 OS 2−26278
distributed program status and node/network failure tolerance *(Italian)* 2−16195
distributed software systems 2−21592
Fourier transform dielectric spectroscopy utilizing real-time operating system, permittivity meas. appl. 2−11588
GALAAD, software management system for telecommunication field *(French)* 2−15975
GTD-5 EAX software development environment 2−26345
independent network management systems *(French)* 2−21643
MC6809 processor and OS-9 operating system 2−19695
microsystems, conf., London, England (March 1981) 2−23895
multimicroprocessor system T-STAR *(Italian)* 2−16194
network-management software for computer networks linked by a high-speed ring bus *(Japanese)* 2−6613
PROCESS-2000 operating system *(Hungarian)* 2−21590
task orientated multipriority system, anal. 2−13405
telephone switching system, EWSD, operating system 2−21703
Unix network implementation 2−26267
virtual circuit switch as the basis for distributed systems 2−21565

operational amplifiers
4-band radio receivers, PLL synthesizer with charge pump and filter op-amp 2−2892
A109, transit frequency meas. *(German)* 2−9005
AC7520 DAC characts. 2−19826
active networks, predistortion, finite gain-bandwidth compensation 2−826
active RC filter realisation based on simulation of node eqn. or loop eqn. 2−19789
active RC multifeedback bandpass filter, operational amplifier single-pole model effect 2−822
active RC second-order filter using operational amplifier and passive devices *(Czech)* 2−24606
active-R floating lossless inductance realization using operational amplifier poles 2−14203
active-R oscillator, wide range, using operational amplifiers 2−13998
active-RC filters, jump phenomenon 2−24597

operational amplifiers continued
AF, noise characts. *(German)* 2−9004
ammeter circuit using two op. amps. 2−17004
amplification of very small signals, drift and noise *(German)* 2−726
analog comparator cct. with variable hysteresis between trip points, op. amp. appls. 2−14258
analogue signals, bipolar edge detector *(German)* 2−11439
automation appl. of electronic circuits, feedback controller amplifier ccts. *(German)* 2−19575
Bi-FET op. amp 441, appls. 2−13976
Bi-FET op. amps., LF441 2−8988
BiMOS op. amp., for low voltage operation 2−19565
bipolar feedback current amplifier, low distortion, use of modified Wilson current mirrors 2−13990
bipolar operational amps., comparative RFI performance 2−21130
book 2−4588
capacitance multiplication cct. 2−9178
charge-integrating driven by photodiode array, bandwidth requirements 2−24410
Chebyshev active filters using operational amplifiers, transfer functions *(Czech)* 2−5289
chopper-stabilised, amplification of very small signals *(German)* 2−727
Class A AF amplifier, using op. amps., bipolar transistors, short cct. protection *(Spanish)* 2−24423
composite op-amp circuit 2−733
current booster cct. for driving low resistance loads 2−5132
current mirrors used to design low-distortion op.-amp. ccts. 2−13994
delay below 7.5 ns, use of cascade differential amplifier 2−5124
design using bipolar junction transistors *(Spanish)* 2−25210
dual/quad operational amplifiers, driving of large currents into given load 2−5113
fast AC/DC converter *(Russian)* 2−18328
FET, sine wave generation using quartz controlled crystal oscillator *(Italian)* 2−5143
FET amplifiers, bias current measurement 2−19556
filter design, book 2−13200
floating inductor design using single op. amp., active filter ccts. appl. 2−5282
frequency characts. meas., using automatic meas. system with standard bus interface 2−11374
gain and frequency response independent or operating point 2−13986
handbook 2−13144
harmonic generator analysis *(Bulgarian)* 2−758
high temperature operational amplifiers design using bipolar transistors *(Hungarian)* 2−5128
hybrid, advantages for particular appls. 2−13975
IC 741 design and operation 2−749
IC testing, using digital computer-controlled test system 2−5798
input protection using FET *(Italian)* 2−5117
integrated instrumentation amplifier appls. *(German)* 2−5115
inverting amplifier, active compensation using negative impedance convertor 2−19554
JFET-bipolar op. amp., low-voltage micropower operation 2−19566
K140UD1 operational amp., modifications for increased speed 2−8998
laboratory manual, book 2−25257
ladder simulation switched-capacitor filters with inductor loops 2−5275
LM346, quad programmable op amp with improved drift characteristics 2−5114
low noise, high precision op.-amp., in monolithic form 2−19570
low-noise monolithic precision amplifier *(German)* 2−13977
low-power intake, analogue switch appls. *(German)* 2−9159
measurement of electric parameters standardisation 2−17061
module units for analogue information processing *(German)* 2−5131
monolithic, advantages for particular appls. 2−13975
monostable multivibrator, differential type, using operation amplifier with ZD clamping cct. 2−19638
monostable multivibrator, using operational amplifier *(Italian)* 2−24464
multiple amplfier active RC biquadratic sections, using op. amps. f or active filters 2−9147
NMOS high-speed operational amplifier fabricated using VLSI technology 2−24407
NMOS op. amp., chopper stabilisation using feed-forward techniques 2−19569
non-inverting, freq. response extension using feedback *(German)* 2−743
OP-108A, total dose radiation resist., nitride passivation effects 2−13982
OP-70 amplifier speed increased using BUF-03 buffer in feedback loop 2−8993
open loop programmable amplifier, with extended freq. range 2−19561
output enhancement using booster circuits 2−732
power IC, appl. criteria *(German)* 2−13979
power output booster stages, used for operational amplifiers *(French)* 2−19560
power supply unit using operational amplifier *(German)* 2−13967
programmable, reviews *(Spanish)* 2−5129
programmable mode op-amp, using CMOS IC 4016, 741 IC 2−735
programmable treble, analogue switch appls. *(German)* 2−9159
programmable V/I source for IC testing 2−697
programmable voltage operational amplifier inductor, variable Q-factor *(Spanish)* 2−5386
properties and characts. for analogue information processing *(German)* 2−739
radiometer output signals amplification and demodulation 2−3158
RC active filters for hybrid thick film implementation, design and evaluation 2−828
RC-active filters with nonideal single amplifier, HF characts. 2−24588
resistance thermometer linear transducer for conversion of temp. signal into equiv. voltage *(Russian)* 2−3138
resistive transducer, accurate op-amp bridge 2−11474
review *(Swedish)* 2−19558
review *(Swedish)* 2−19559
ring type band-pass filter with independent regulators using operational amplifiers *(Italian)* 2−5278
sample and hold circuit, operational principles *(German)* 2−19827
Siemens' p-n-p operational amplifier TAB 1453, characts. 2−747
SL 6043 quad., speech processor for FM transmitters appl. 2−6744
solidstate voltmeter with op. amps *(Spanish)* 2−26888
switched-capacitor filters, influence of operational amplifiers 2−680
thick film hybrid IC amplifier for press. transducer using low TCR resistor pastes 2−20000
three-port voltage controlled voltage source structure, HF, design 2−691
transconductance, amplitude modulator appl. *(German)* 2−9042
operational amplifiers continued
transistor-resistor-coupled device, CA3083 appl., transconductance and linear transfer charact. 2−13984
triangular waveform generator using operational amplifiers *(Czech)* 2−9033
tunable noninverting integrator, HF Q-compensation 2−14233
tunnel diode replacement, using bipolar transistors and ICs *(Bulgarian)* 2−853
ultra low current meas., possiblities of operational amplifiers 2−11575
voltage noise optimisation in audio and low freq. bands 2−19564
wideband oscillator cct. using capacitance multipliers, 15 Hz to 100 kHz range example 2−5137
Wien-bridge oscillator, operational amplifier cct. design keeping poles on imaginary axis at high freq. 2−759

operations analysis *see operations research*

operations research
see also critical path analysis; forecasting theory; PERT; scheduling; stock control
availability of periodically tested stored items, effects of imperfect testing 2−145
bin packing conjecture, counterexample 2−8639
capacitated arc routing problems 2−422
computer models in operations planning 2−18967
customers-number joint distribution queueing model 2−4735
directed acyclic graphs with exclusive-OR nodes, optimal segmentation 2−306
discharge level of artificial lake, optimal selection regarding costs and energy production 2−7770
economical quality control policies for a single cause system 2−24004
goal programming with linear fractional criteria 2−13634
maximum weighted stable set *(French)* 2−4876
operations planning impact on system appl. and design 2−2461
operations planning in Bell Canada's digital telephone network 2−6551
paper industry model 2−23839
power engineering optimisation problems and methods of solution *(Russian)* 2−24197
power system investment decisions anal. and review 2−27432
power systems, optimization methods in planning and operation 2−27431
priority base budgeting, aero base approach to manufacturing overheads 2−18923
quality control, sampling inspection for the two-parameter exponential distribution 2−8274
radiation exposure in nuclear power plants, reduction by preventive maintenance 2−17839
rational solution axioms and efficient sets 2−13418
short-term operation planning in electric power systems 2−7768
shortest path calc. by optimal network reduction to subnetworks, appls. 2−13914
stochastic programming problems associated with adaptive production planning 2−13631
travelling salesman shortest complete cycle 2−4877

operator training *see training*

optical aberrations *see aberrations*

optical activity *see optical rotation*

optical bistability
bidirectional ring cavity, optical bistability 2−15546
bidirectional ring cavity use for optically bistable devices 2−6269
device using semiconductor laser diode and photodetector 2−2003
distributed feedback bistable optical device, end refl. effect on switching threshold 2−6271
distributed feedback bistable optical devices, self-pulsing and chaos 2−25830
dye laser, hard mode locking, saturable absorber relax. time influence 2−10314
electro-optic interface, bistability 2−25841
electro-optical bistable device with delayed feedback, instability 2−6055
Fabry-Perot interferometer based bistable devices, communication and processing appls. *(Spanish)* 2−20956
Fabry-Perot interferometers, nonlinear properties and optical bistability, review 2−20954
Fabry-Perots, nonlinear, ultrashort pulse detect. appls. 2−2024
hybrid bistable optical device using an acoustooptic waveguide modulator 2−10093
hybrid resonator-free optically bistable device operation 2−25848
integrated directional coupler switch, remotely controlled, in optical fibre link 2−15345
intrinsic optical bistability based on self-focusing 2−2023
laser operation with output feedback pumping, phase transition analogy 2−15431
laser with intracavity saturable absorber, gain function, dispersive effects 2−15526
laser-amplifier-based optical bistable circuit, proposal and anal. 2−25834
liquid crystal bistable electro-optic modulator *(Chinese)* 2−1755
liquid crystal device, bistable, threshold-sensitive μsec. speed 2−15353
liquid crystal electro-optical device, optical noise-limiting and multistability 2−6068
magnetooptic bistable switch using YIG cryst. with phase matching films 2−10091
multiphoton lasers and multiphoton instability, unified approach 2−6126
multistable optical device based on nematic liquid crystals *(Slovak)* 2−6060
opto-electronic liquid crystal bistable device, processing for real-time optical information 2−25557
resonator photocell in Franz-Keldysh effect, falling current-voltage charact. and optical bistability 2−20751
ring-channel waveguides, bistability anal. 2−15323
semiconductor, optical nonlinearity and bistability due to biexciton form. 2−25840
semiconductor buried heterostruct. laser with segmented contact, bistability and neg. resist. 2−25771
triode operation of intrinsic optical bistable device 2−6270
two-mode lasers, correl., transients, bistability and phase-transitions analogy 2−6265
waveguide optical components for integrated optical signal processing 2−10041
AlGaAs-GaAs laser with external dispersive resonator, bistable operation and spectral tuning 2−20938
Ar^+ laser, passive mode locking using rhodamine 110 dye saturable absorber, optical bistability 2−15432

optical bistability continued
CdS crystal, degenerate six-photon interaction, optical bistability and hysteresis 2−20968
GaAlAs bistable CW injection heterolaser 2−20902
GaAs etalon, intrinsic bistable optical device, regenerative pulsations 2−25829
GaAs large refractive index nonlinearities and optically bistable devices 2−10367
GaAs-GaAlAs diode laser, multiple segment stripe contact, effect of non-uniform current 2−1963
InSb, large refractive index nonlinearities and optically bistable devices 2−10367
InSb, optical bistabiity and trasphasor action 2−10351
InSb ring-channel waveguide, bistability anal. 2−15323
$LiNbO_3$, electro-optic directional coupler integrated with pyroelec. waveguide detector, optical bistability 2−6045
Te large refractive index nonlinearities and optically bistable devices 2−10367

optical character recognition
automatic recognition by Fourier descriptors and boundary line encodings 2−26157
differential processing of images, stroke-classification of Chinese characters *(Chinese)* 2−6464
facet-dependent digital filter 2−14222
French reading machine for blind, simulation 2−10674
incoherent optical correlation techniques and appls. 2−21377
machine recognition of letters/ and numbers/ at AEG-Telefunken *(German)* 2−2370
threshold detector for OCR system 2−19601
writer recognition by analysis of handwriting images 2−26156

optical collimators
laser ranger designator and thermal imaging system, alignment and testing using common collimator 2−3073
multibeam collimator using prism stack for surveying 2−6246

optical communication
see also optical links
28th International Scientific Electronics Congress, Rome, Italy (March 1981) 2−18859
analogue transmission, optical fibre systems 2−6829
bit-error rate computation, heterodyne/coherent communication schemes 2−21821
block encoding and decoding for optical PPM channel 2−21283
blue-green laser satellite strategic submarine communications, feasibility study 2−2743
blue-green lasers for naval C^3 appls. 2−2071
British Telecom Integrated Services Digital Network, characts. 2−2794
cable installation experience 2−6838
Canadian interexchange trunk network applications of fibre optics 2−2805
characteristics and measurements of the properties of optical fibres used in telecommunications *(French)* 2−26494
coherent light detection, after nonlinear amplification 2−6468
coherent optical fiber transmission technology 2−1732
COS 3/FOSTER fibre-optical communication system, operational trials in Italy 2−26496
development in Japan *(Japanese)* 2−10609
development of optical communication in Germany, review *(German)* 2−2790
development trends *(German)* 2−2417
developments for the information age 2−16465
direct detection channel, capacity, cutoff rate, and coding 2−16471
double crucible optical fibre for data link applications 2−9982
European telecommunications, fibre optic techniques of various countries 2−21839
fabrication techniques for optical fibres 2−15332
fibre line, high aperture, low temp. influence on energy transfer 2−1723
fibre optic integrated services system for home-of-the-future 2−11097
fibre optic multichannel communication, ang. multiplexing 2−6013
fibre optic subscriber loops, Yokosuka field trials 2−2576
fibre optic system requirements for video signals, data, voice communication 2−6836
fibre optic techniques in the United States 2−21838
fibre optic transmission system, connections among system parameters *(Hungarian)* 2−16466
fibre optics technology and industrial appls. 2−25507
fibre technology, advantages over electric wires, government appls. 2−20682
fibre waveguides, single-mode, low-loss, W-type 2−20670
fibre-optic digital transmission techniques and future performance *(German)* 2−26505
fibre-optic technology applied to computer communications 2−21622
fibre-optic telecommunication development in France 2−6842
fibre-optic transmission techniques, digital and analogue systems, review 2−26517
fibreoptic communications, status and development prospects 2−20626
fibres, single-mode, temporal self-imaging effect 2−10010
fundamental characts. of optical fibres 2−15331
future power systems, electronics appls. 2−3706
glass fibre manufacture, military appl. 2−6830
guided-wave optical and SAW devices, systems and appls., conf., San Diego, CA, USA (July 1980) 2−10
heterodyne communication expt. with single-mode optical fibre using freq.-stabilised He-Ne lasers 2−1713
heterodyne-type optical fibre communication 2−21820
HF communication using optical components 2−14855
Hi-OVIS, fibre optics-based information society 2−10872
image transmission characts. of planar multimode waveguides, optimization of self-imaging props. 2−11095
integrated broad-band communication using optical networks 2−2784
integrated communication services, history and current status *(German)* 2−26199
interference effects and countermeasures *(German)* 2−26193
introduction to optical fibres 2−15330
large scale integrated service local network using optical fiber data highway 2−2812
laser research and applications, review *(French)* 2−15428
light beam telephone, construction and operation details 2−16460
link, 140 Mbits/s, field experience using live telephone and TV traffic 2−26516
M-ary and spread spectrum, appls. to laser communications 2−26509

optical communication continued
metropolitan interoffice trunk route applications of fibre optics 2−2806
military systems development 2−6831
modulated barrier photodiode: A new majority-carrier photodetector/ 2−1797
multiple communication bus network using large scale transmission lines 2−10762
multiple-service PCM-carrier light wave systems, operational considerations 2−11098
network design for information distrib. systems *(Italian)* 2−26196
optical fibre appl. *(Polish)* 2−20681
optical fibre communication, book 2−16484
optical fibres, principles, manufacture and data transmission *(French)* 2−20625
optimum receiver design for randomly dispersive incoherent optical channel 2−6844
optoelectronics, book 2−4574
PPM pulse sequence, statistical estimation of time of arrival 2−16480
quantum communication theory, tapping of fibre optic links to elude detect. 2−15959
review of fibre optic communications 2−16477
rural telephone systems, optical fibre appls. 2−11079
self supporting aerial cable with light wave conductors for a 220 kV overhead cable line *(German)* 2−21822
single-mode fibre, review *(French)* 2−15311
space based laser communications, tracking and fine pointing control 2−16455
special topics in optical propagation, conference, Monterey, California, (1981 April 6 to 10) 2−16490
subscriber distribution networks, optical fibre appls. 2−2813
theory and materials *(French)* 2−21814
transmission experiments, 2 Gbit/s, using 51.5 km dispersion-free fibre 2−26498
transmission systems, commercial equipment and related user-orientated information *(German)* 2−26506
trunk transmission systems, remote supervision 2−11099
voice and video transmission over optical fibre *(Spanish)* 2−16474
wavelength division multiplexing transmission over multinode optical fibres 2−26508
wavelength-division-multiplexing light wave system employing dual-wavelength LEDs and photodetectors 2−11080
GaAlAs/GaAs, DH single-mode injection lasers for optical fibre communication 2−10399
InGaAsP/InP Z 2−10399

optical communication equipment
see also optical waveguides
arbitrarily stratified optical cavity with output coupling 2−16476
avalanche photodetector, n^+-p-π-p^+ Si structure, 34 Mbit/s system appl. *(Italian)* 2−16461
bistable integrated directional coupler switch, remotely controlled, in optical fibre link 2−15345
bistable optical devices using Fabry-Perot interferometer, communication and processing appls. *(Spanish)* 2−20956
British Telecom telecommunications networks, optical fibre technology appls. 2−2778
bypass switch for optical fiber ring network 2−16469
cable, properties under frozen water in a conduit, degradation prevention method 2−2782
cables design and manufacturing 2−25484
channel divider for fibre-optics communication lines with spectral multiplexing 2−20627
circulator, polarisation independent, for single mode fibres 2−11085
coherent optical fiber transmission systems 2−6010
coherent optical fiber transmission technology 2−1732
colour sensors using forbidden band sensors of graded bandgap *(Japanese)* 2−11488
concentric-core optical fiber subsystem 2−1733
connectors for optical fibre communication networks, design concepts 2−2780
connectors for single-fibre optical data buses *(Czech)* 2−26504
coupler for submarine transmission laser redundancy system 2−26499
couplers, star, tee and duplex types, engineering guide 2−21832
cylindrical concave diffraction grating, manufactured with multimode slab waveguide 2−15362
detectors, p-i-n and avalanche photodiode, for 1.1 to 1.6 μm operation, state of the art 2−7108
digital communication system, Bayes' optimal receiver 2−11089
digital fibre optic transmission systems, Northern Telecom FD series, terminal equipment, sources and detectors 2−21846
digital optical repeater, extremely wideband, input stage *(German)* 2−16457
diplexer, Martin-Puplett interferometer, Gaussian optics and design 2−16468
dye wideband laser as source in spectral information-transmission system 2−20846
electro-optic oscillator, high freq., using integrated interferometer 2−25546
electrooptic switch for multimode fibre links 2−10040
electrooptic waveguide commutator switch, three channel 2−25551
electrowetting optical switch for multimode optical fibres 2−25545
extended spectral response cable characteristics, appls. 2−6837
fiber optics in nuclear environment, component vulnerability 2−25481
fibre, refractive index meas. *(French)* 2−20641
fibre, single-mode, long-wavelength, transmission system trends in Japan 2−6007
fibre cable termination method 2−9998
fibre communication experiment at 5 Gbit/sec, transmitter, fibre and receiver design 2−16458
fibre link receivers, use of high speed comparator 2−16488
fibre optic communication systems, short-haul, design, appls. 2−26501
fibre optic communication systems in Japanese National Railways *(German)* 2−6020
fibre optic communications, sources, detectors 2−21824
fibre optic connectors, system design 2−16489
fibre optic data transmission system component selection 2−1702
fibre optic detectors, design considerations 2−6835
fibre optic devices, review 2−26502
fibre optic digital data communications, practical circuit designs 2−11077
fibre optic interconnection standards, for MX missile program systems 2−21816

optical communication equipment continued
fibre optic multiplexed telemetry system for UHV transmission 2−2799
fibre optic systems, marine appls. *(German)* 2−6019
fibre optic technology, sources and detectors, multiplexing schemes 2−21844
fibre optic transmission equipment for small scale communication market *(Japanese)* 2−11075
fibre optical communication components 2−2793
fibre optics role in photoelectric sensing appls. 2−15340
fibre optics terminal, multiwavelength monolithic integrated , multiplexing/demultiplexing system 2−2798
fibre optics US army base communications applications 2−26493
fibre single-mode heterodyne-type communication system progress 2−1699
fibre tapped tee single-mode data distrib. system 2−6826
fibre trunk cable transmission characteristics and structural design 2−2803
fibre-optic analogue video transmission systems using laser diodes, linearity 2−21850
fibre-optic cable design, cylindrical V-groove struct. *(French)* 2−21836
fibre-optic communication systems, laser, diode transmitter elements, development review *(German)* 2−21826
fibre-optic communication systems, various solid-state light sources and detectors *(Italian)* 2−11081
fibre-optic connectors, Sourciau series S1006, low insertion loss *(French)* 2−16475
fibre-optic digital communication system equipment GaAlAs DH laser diode and Si avalanche photodiode receiver 2−6841
fibres, single-mode, submarine cable system appl. 2−6008
fibres, technology, appls. 2−25508
fibres and cables, computer system applications 2−16483
fibres and cables technology *(German)* 2−25527
guided-wave devices for optical communication 2−9985
heterodyne receiver, fundamental props. 2−11091
IC regenerator, capable of operation in 2 to 320 Mbit/s range 2−21853
integrated optoelectronic devices, recent trends 2−25544
integrted optical SSB modulator or freq. shifter 2−6033
international standards for fibre optics, interfaces 2−26492
IR fibre waveguides, new frontier 2−1701
laser diodes, optical feedback effects in broadband transmission systems 2−26495
LEDs, electron lifetime and bandwidth determ. by phase detection method 2−15417
LEDs, reliability physics conf., Orlando, Florida, USA (April 1981) 2−18861
light beam telephone, construction and operation details 2−16460
light sources for optical links, research into operating wavelength 2−16481
magnetooptic bistable switch using YIG cryst. with phase matching films 2−10091
matrix switch, mechanically operated 2−11084
military aircraft optical data bus receiver 2−7398
MIS thyristor thresholding transducer in optical systems 2−10152
monolithic integrated micrograting and photodiodes for wavelength demultiplexing 2−25536
multi/demultiplexers for single-mode fibre transmission 2−9988
multimode optical fibre splice, field trial results 2−11102
nonequalising receivers for optical fiber systems, considerations for design *(Italian)* 2−11087
optical cable pulling, long-spin installation machine 2−21851
optical fibre cables, structure and characts. 2−15333
optical FSK heterodyne detect. expts. using semicond. laser transmitter and local oscillator 2−2783
optoelectronic active transmitter and receiver components *(German)* 2−16463
optoelectronic devices, review 2−25563
p-i-n photodiode-FET receivers for 1.3 micron optical fibre systems 2−2789
partially coherent optical signal field detect., heterodyne system with coherent Gaussian local oscillator 2−21849
passive telemetry using simple optical transducers with fibre-optic links 2−16487
photodiode receiver load impedance determ. in pulsed optical radar/communication systems 2−15415
power system communications using composite overhead line earth conductor in which optical cable is encased 2−2779
process control appls. of fibre optics 2−16486
rare earth iron garnet magneto-optic isolator for optical fibre transmission *(Chinese)* 2−25558
receiver design, for digital fibre optic system 2−2788
receivers for optical fibre communication systems, photodiodes 2−15413
receivers for underwater communication, optimum overall design 2−16492
remote sensors, using optical data links for high-hazard areas 2−26491
review *(Hungarian)* 2−21825
semiconductor CW laser hermetic package with integral power monitoring and direct fibre optic launching 2−1954
semiconductor laser applications in Japan for fibre communication and information processing *(German)* 2−25797
semiconductor laser diodes and appls., handbook 2−8142
semiconductor optical sources for fibre communications 2−16479
short-distance data transmission systems *(German)* 2−6824
SILK integrated local communication system, experimenal optical network 2−6719
simulated PCM-ASK heterodyne-type optical communication system, bit-error rate meas. 2−21827
single-mode fibre recirculating delay lines, filter response 2−25499
spectral channel demultiplexer utilising planar multimode waveguide 2−1721
spectral equaliser for HF broadband signals utilizing WDM techniques 2−2800
splices and connectors for optical fibre communications 2−16478
switching network, N×M electrooptical, in planar $LiNbO_3$ optical waveguide, for computer communications 2−11090
switching networks, optical channel waveguide total internal refl., fabrication and testing 2−1741
T-buses, bidirectional and unidirectional, comparison *(German)* 2−26507
time domain reflectometer, automated testing for optical fibre installations 2−6822
transceiver, optoelectronic, for signal transmission by diffuse radiation, design and performance *(German)* 2−6828
transimpedance low noise bipolar preamplifier design for optical receivers 2−13989

optical communication equipment continued
transmission lines, optical fibre props. for quantitative design 2−9983
transmission systems, commercial equipment and related user-orientated information *(German)* 2−26506
transmission systems, commercial models *(German)* 2−16464
undersea optical repeater, 1.3 micron, 400 Mbit per sec., sea trial 2−16462
V-groove lasers, generating high peak pulse powers *(German)* 2−20909
VPE long-wavelength optoelectronic device fabrication and reliability for optical communication 2−2810
wavelength division multiplexers, using single-mode and multimode all-fibre directional couplers- 2−5983
wavelength division multiplexing, operation and potential 2−2792
wideband TV signal transmission from commentary cameras, fibre-optic line *(Russian)* 2−2935
(AlGa)As DH lasers, molecular beam epitaxy for optical communication systems 2−20896
AlGaAs DH wavelength multiplexing injection laser source with graded comp. along active layer 2−1945
AlGaAs injection-locked semiconductor laser, optical FM signal amplification and FM noise reduction 2−10287
AlGaAs lasers, narrow proton-implanted, for audio/video discs, optical communication and recording 2−6232
$Al_xGa_{1-x}Sb$, p-i-n photodiode for 1.3 μm fibre optical systems 2−20738
GaAlAs laser, freq. stabilisation, heterodyne-type optical communication system appl. 2−6226
$Ga_{1-x}Al_xAs$, DH LEDs, reliability for lightwave communications through accel. ageing studies 2−6121
GaAs:LED optimised for fibre optic communication at 34 Mbit/s, design criteria 2−10165
GaAs-AlGaAs DH system, monolithic integration of optical sources and detectors, processing te-chniques 2−6035
GaAs-$Ga_{1-x}Al_xAs$ V-groove lasers for fibre-optic communications 2−6845
GaAs-GaAlAs CW DH superluminescent diodes, modulation characts. and intensity noise 2−1817
GaInAsP-InP laser transmitter module, external cavity controlled single longitudinal mode 2−15506
Ge avalanche photodiode receiver, sensitivity meas. 2−10153
$HgBr_2$/HgBr dissociation lasers, performance status and underwater communication system appl. 2−15463
InGaAs back-illuminated pin photodiode, fibreoptic communication appls., 1.3-1.6 μm region 2−6105
InGaAs/InP heterojunction phototransistors performance comparison with p-i-n FETs and APD-FETs, optical fibre communication systems 2−20745
InGaAs-InP photodiode coupling to optical fibre, quartz block construction 2−9981
$In_{0.53}Ga_{0.47}As$-InP planar p-i-n photodiodes, low dark-current, high efficiency 2−10146
InGaAsP-InP 1.3 μm LPE and VPE grown edge-emitting LEDs 2−6116
InGaAsP-InP buried heterostructure lasers, fabrication and application to fault location measurement 2−1943
InGaAsP-InP DH laser Gbit/sec pulse generation, gating with $LiNbO_3$ waveguide modulator 2−6230
$In_{1-x}Ga_xAs_{1-y}P_y$ laser and LED reliability for fibre-optic communications 2−2811
$In_{1-x}Ga_xAs_{1-y}P_y$-InP buried-crescent laser diode 1.3 μm fundamental transverse mode and life test 2−1968
InP-GaInPAs based channel heterojunction LEDs for fibre-optics communication lines 2−10175
InP-$In_{1-x}Ga_xAs_{1-y}P_y$ PIN photodiodes for fibre-optic communications 2−6845
InP-InGaAsP avalanche photodiodes, hybrid, performance characts. 2−10145
$LiNbO_3$ 2×2 transverse type optical switch, wavelength meas. and demultiplexing appls. 2−10077
$LiNbO_3$ wide band branch waveguide modulator, video signal transmission 2−1742
$LiNbO_3$:Ti guided-wave devices for optical fibre communications appls. 2−11096
Si optical bench for reproducible optical feedback path 2−16470

optical constants
see also light absorption; reflectivity; refractive index
coupling coefficient measurement method based on thermal expansion 2−20998
II-VI compound vacuum evaporated film, optical consts. determ. with optical waveguides 2−9962
semiconductor, direct determ. of far IR opt. consts. using asymmetric Michelson interferometer 2−11645
As-S:H, amorphous plasma deposited coating, optical props. and EPR 2−25003
As-Se:H, amorphous plasma deposited coating, optical props. and EPR 2−25003
n-CdTe:Pb films, vapour deposited, elec. anal. optical props. 2−14655
$CuInSe_2$, thin films, ion-beam sputtered, characterisation 2−5599
GaAs:H, amorphous, RF sputtering and optical props., H_2 partial press. effect 2−19427
Ga_2Se_3-In_2Se_3 thin films, elec. and optical props. 2−1216
Ge, amorphous UHV deposited films, struct., elec. and optical props. 2−20097
Ge-Sb-Se system, beam-resistant films, prep. and struct., thermal stability, optical parameters 2−1200
Ge_xC_{1-x} CVD coating, struct. and optical props. 2−25037
Si, amorphous, gap states and band tail absorption, direct meas. by const. photocurrent method 2−1787
Si optical absorption meas. for pure and heavily-doped materials, 1.24 to 4.63 eV, polarization modulation ellipsometry, solar cell performance 2−23607
Si:H, amorphous ion beam deposited coating, optical gap 2−20094
SiC:H, amorphous, plasma deposited coating, photocond. and optical gap, valence electron control 2−24997
a-Si_xNi_{1-x}:H, wide optical-gap, photoconductive, elec. and optical props. 2−15380
SnO_2:Sb film, prep. by activated reactive evaporation 2−24334
WSi_2 interconnection for VLSI circuits 2−15020

optical couplers
biconical-taper couplers, modal-noise generation 2−1710
bistable integrated directional coupler switch, remotely controlled, in optical fibre link 2−15345

optical couplers continued
capacitive mesh couplers, substrate effects, transmission line model 2−15361
coaxial dielectric directional coupler 2−25503
communication fibre connectors, UK network appls. 2−2780
concentric-core optical fiber subsystem 2−1733
connectors for single-fibre optical data buses *(Czech)* 2−26504
design criteria for alignment, environment and optical quality protection 2−15310
directional coupler formed by two cylindrical parabolic index waveguides, perturbation analysis 2−1705
directional coupler using deposited SiO_2 waveguides 2−9989
directional couplers, single-mode and multimode all-fibre, for WDM 2−5983
electro-optical co-axial optical directional couplers using tube guide surrounding single-mode rod 2−6059
fiber connectors, low cost quick attach method 2−10000
fibre, directional, single-mode, fabricated by twist-etching techniques, stabilisation 2−9990
fibre, static elimination in optical fibre connectors 2−25514
fibre communications technology *(German)* 2−21815
fibre connecter, rugged low-cost coined connector 2−9999
fibre connectors, transfer moulded, thermosetting plastics appl. 2−13259
fibre optic cable assemblies, optical connector development for tactical appl. 2−21818
fibre optic communication equipment, technology, appls. 2−25508
fibre optic communication systems, short-haul, design, appls. 2−26501
fibre optic connector technology, current status review 2−5994
fibre optic connectors, system design 2−16489
fibre optic connectors, technical and economic advantages 2−9970
fibre optic star coupler, for 32-terminal data bus system 2−26277
fibre optic systems, marine appls. *(German)* 2−6019
fibre tapped tee single-mode data distrib. system 2−6826
fibre-optic connectors, Sourciau series S1006, low insertion loss *(French)* 2−16475
fibre-optic magnetooptical grating switch 2−15354
flip-chip coupler fabrication between single-mode fibres and $LiNbO_3$:Ti channel waveguides 2−25539
glass waveguides formed by Ag^+ ion exchange, stripe waveguides, directional couplers and bends, optical filter appls. 2−10064
guided-wave devices, polarisation-independ. 2−10039
high voltage spike protection using optocouplers 2−3797
holographic coupler for single-mode optical fibres and cables 2−6277
integral-optical coupler, high-efficiency, on raised grid with large period 2−25528
integrated optic circuit losses, expt., fibre pigtailing of chips 2−10054
interferometers with (3×3) directional couplers, analysis 2−6015
laser diode to single-mode fibre efficient coupling using two lens combination in confocal condition 2−9993
laser redundancy system appl. 2−26499
LED dual fiber-optic source coupling 2−10001
LED high performance connectorised package for fibre optics 2−25640
LED to fibre using spheroid lens at fibre end 2−10003
LED-fibre alignment, built-in p-n photodiode alignment cct. for fibre-optic Si optical bench 2−10002
lens coupling in fibre optic devices, efficiency limits 2−1686
light radiation from dielectric waveguide, depend. on surface corrugation 2−15343
magnetic self-aligning optical fibre connector, with magnetic-alloy-clad fibres 2−5995
matrix switch, mechanically operated 2−11084
microlenses for coupling single-mode fibres to thin-film waveguides, photoresist lens fabrication 2−6025
modal noise estimation for arbitrary connectors, fibres and sources 2−25480
multifibre lowloss connectors with plug-guide-grooved Si 2−9980
multilayered waveguide, mode analysis and prism coupling 2−1689
multimode fibres with tapered hemispherical ends, coupling of semiconductor lasers, lower mode excitation 2−20907
multimode optical fibre splice, field trial results 2−11102
multimode optical fibres, length dependence of joint losses 2−25495
parallel multimode dielectric slab waveguides, coupling and selfimaging props. 2−6024
planar diffused glass waveguide, 1D image feeding using prism-film coupler 2−25540
single mode fibre-$LiNbO_3$:Ti waveguide, high efficiency coupling 2−25486
single-mode fibre-to-channel waveguide coupling 2−25482
splice loss evaluation due to fibre parameter mismatching 2−9977
splicing methods and apparatus *(Japanese)* 2−9978
star, tee and duplex coupler types, engineering guide 2−21832
T-buses, bidirectional and unidirectional, comparison *(German)* 2−26507
three-waveguide couplers for improved sampling and filtering 2−20639
Z 2−15344
As_2S_3 amorphous film waveguide, optical grating device fabrication 2−1740
GaAs epitaxial layer photoelastic electro-optical directional couplers, 1.15 μm, strain-induced waveguides 2−6050
GaAs-GaAlAs integrated optical devices fabricated by MBE and metal-organic CVD 2−25541
$LiNbO_3$, electro-optic directional coupler integrated with pyroelec. waveguide detector, optical bistability 2−6045
$LiNbO_3$ optical directional coupler, gating of Gbit rate diode laser pulse trains 2−6230
$LiNbO_3$ optical waveguide prism coupler, temp. compensation 2−10061
$LinbO_3$:Ti stripe waveguides, end-fire coupling of optical fibres for interconnection purposes 2−10060
Si Fabry-Perot interferometer appl. as variable coupler, uniform transmission of FIR lasers 2−6075
ZnS-Ta_2O_5-Nb_2O_5 mulilayered thin films optical tunable couplers using SAW, filtering props. 2−20687

optical design techniques
see also optical instruments
conical reflector parameters and telescope receiver irrad. coeff. calc. for total-radiation pyrometer 2−1770
diplexer, Martin-Puplett interferometer, Gaussian optics and design 2−16468
fibre, two-mode, low loss, structural design optimisation 2−9996
fibre-optic microbending acoustooptic sensor design optimisation 2−1731
optical design techniques continued
fibres, single-mode, low dispersion, fabrication over wide spectral range 2−6003
grating tuner, grazing angle, for single-mode operation of colour centre CW laser 2−1984
holographic elements, wavelength scaling, generation technique 2−2041
integrated optics, geodesic components, use of aspherical surfaces 2−6043
integrated optics spectrum analyser, aspheric geodesic lenses 2−6044
laser beam transforming optical system, induced aberration correction in design 2−1988
laser beamsplitter programs, for TI-59 with PC-100 printer 2−25814
laser scanner design, low-cost 2−20994
lens coupling in fibre optic devices, efficiency limits 2−1686
off-axis laser resonators with two foci, stability conditions 2−1976
polygonal tapered mirror for laser scanning systems, precision anal. *(Chinese)* 2−15580
shared aperture components, spectral shaped 2−1766
superachromatic triplets based on use of optical glasses for lenses, design *(Hungarian)* 2−1765
TGS substrate for Te film, ferroelec. field effects 2−1769
KrF angular multiplexed 50-kJ laser module for inertial confinement fusion, conceptual design 2−1906

optical detection of magnetic resonance (radiofrequency) *see magnetic double resonance*

optical discs *see video and audio discs*

optical dispersion
see also optical constants
cables in telecommunication systems, transmission props. meas. *(Czech)* 2−26503
display cell, dispersion scatterer based on a porous matrix 2−26911
distributed feedback lasers, with strong modulations, dispersion relations 2−10180
fibre, step index, monomode, dispersion minimum prediction 2−20629
fibre, wideband FM signal conversion to AM through group velocity dispersion 2−25526
fibre attenuation measurements, technique for minimising effect of detector inhomogeneity 2−25491
fibre links, long, transmission props. 2−1729
fibre optics, measurement techniques for important parameters 2−9971
fibre properties for quantitative design, colour and mode dispersion 2−9983
fibres, double-α profile, time dispersion evaluation 2−15322
fibres, graded-index, power-law, intramodal dispersion 2−5985
fibres, single-mode, dispersion and bandwidth spectra 2−25511
fibres, single-mode, low dispersion, fabrication over wide spectral range 2−6003
fibres, single-mode, phase-matched stimulated four-photon mixing in min.-chromatic-dispersion region 2−6021
fibres, single-mode, temporal self-imaging effect 2−10010
fibres, single-polarisation, single-mode 2−6005
fluoride glass, expt. evaluation of material dispersion through refr. index meas. 2−5982
fluoride glass for IR optical fibres, material dispersion meas. 2−25470
graded-index fibres, pulse transmission props. and excitation-depend. material dispersion 2−25498
Hamilton eqns. of geomorphic optics for media with moderate absorption 2−21111
II-VI compound vacuum evaporated film, optical consts. determ. with optical waveguides 2−9962
inhomogeneous dispersive media, nonlinear pulse propag. theory, appl. to optical waveguides 2−15339
laser with intracavity saturable absorber, gain function, dispersive effects 2−15526
methane, saturated dispersion spectrum, freq. stabilization of He-Ne laser 2−15453
multimode attenuation measurements, accuracy affected by source near- and far-field variations 2−25490
optimum receiver design for randomly dispersive incoherent optical channel 2−6844
resonant coupling phenomena of guided mode with metal surface plasma mode *(Japanese)* 2−15296
ring resonator, dispersive, with diffr. grating as amplitude rectifier 2−1981
single mode fibre production with negligible intrinsic birefringence and polarisation mode dispersion 2−15299
single-mode dispersion-force fibres, 1.5 micron wavelength, fabrication 2−20672
single-mode optical fibres, prediction of modal dispersion from spectral behaviour of mode spot size 2−25502
single-mode step-index fibres, prediction of laser wavelength for min. total dispersion 2−25510
spun single-mode fibres, birefr. and polarisation mode-dispersion 2−1683
waveguides, pulse dispersion factors, profile optimisation *(German)* 2−25523
GaInAsP buried crescent laser emitting at 1.52 μm, dispersion effects 2−25781
InGaAsP modulated single-longit. mode semicond. laser and fibre transmission characts. at 1.55 μm 2−10331
$LiNbO_3$:Ti optical waveguides, dispersion curves rel. to fabrication parameters, comparison of theory and expt. 2−10059
SiO_2-GeO_2 glass, material dispersion zero 2−9964
SiO_2-GeO_2-F-P_2O_5 single mode fibres, chromatic dispersion effects calc. 2−25487
ZrF_4 based glass, dispersive and scattering props. 2−20612

optical elements
see also diffraction gratings; fibre optics; mirrors; monochromators; optical collimators; optical fibres; optical films; optical filters; optical isolators; optical modulation; optical prisms; optical waveguides; optical zone plates
astigmatic system for optical transformation of coordinates 2−2386
baffle absorbing coatings for far IR 2−10102
discriminator for Doppler frequency shifts, in laser anemometry *(Russian)* 2−2057
etalons, quartz cryst., for far-IR methanol laser interferometer 2−20927
glass screen-printed optical components 2−1738
integrated optical components and circuits for space applications 2−3563
integrated-optics elements and systems, review 2−20684
laser beamsplitter programs, for TI-59 with PC-100 printer 2−25814
miniaturisation limits in optics *(German)* 2−25469
MM region, optical tests of quasi-optical components 2−25561

optical elements continued
modulator-beam splitter, two-coordinate, using TlBr-TlCl monocrystal *(Russian)* 2−10100
multiplexed coherent optical processor for calculating generalized moments 2−21380
shared aperture components, spectral shaped 2−1766

optical fibres
absorption measurement using photoacoustic effect *(French)* 2−1707
analogue transmission, optical fibre systems 2−6829
analogue video transmission systems using laser diodes, linearity 2−21850
arc-fusion spliced fibres, thermoplastic adhesive reinforcement 2−15309
attenuation measurement using LPS method 2−15320
attenuation measurements, technique for minimising effect of detector inhomogeneity 2−25491
automated loss measurement set for optical cables 2−7003
backscatter loss signature determ., long-range, using two-point processing 2−20646
backscatter measurements using optical time domain reflectometer 2−10035
bandwidth, losses, bunch problem and EMI characteristics *(Italian)* 2−21623
bandwidth meas. system for short fibre lengths 2−10024
bending loss formulae for step-index optical fibre and their applicable regions 2−20677
biconical-taper couplers, modal-noise generation 2−1710
birefringence of optical fibre pressed into a V groove 2−20653
birefringent single-mode, degree of polarisation 2−20634
Bosch TV camera, using fibre optical transmission 2−6919
Bragg filters in optical fibres, freq. response meas. by thermal scanning *(French)* 2−15366
breaks, low-strength, fractographic anal. 2−1727
British Telecom Integrated Services Digital Network, charact. 2−2794
British Telecom telecommunications networks, technology appls. 2−2778
broad-band optical transmission systems, optical feedback effects on laser diodes 2−26495
broadband fibre links using PFM coding, cable TV network 2−6827
broadband optical fibre network in Canada 2−2423
bypass switch for optical fiber ring network 2−16469
cable, application for patent in USA 2−4601
cable, properties under frozen water in a conduit, degradation prevention method 2−2782
cable assemblies, optical connector development for tactical appl. 2−21818
cable design, cylindrical V-groove struct. *(French)* 2−21836
cable installation experience 2−6838
cable installing technique in underground plant 2−21830
cable termination method 2−9998
cable TV, optical trunk line appl., high-quality service 2−6931
cables, low-loss tight buffer design using acrylate buffered fibres, performance charact. 2−1725
cabling and fibre props. 2−6027
Canadian interexchange trunk network applications 2−2805
Canadian long-haul fibre-optic transmission systems, reliability considerations 2−21829
CATV applications, compatibility with Bell System digital hierarchy 2−11100
channel divider, broadband, for fibre-optics communication lines with spectral multiplexing 2−20627
characterisation by back-reflected light measurement *(Norwegian)* 2−25506
characteristics and measurements of the properties of optical fibres used in telecommunications *(French)* 2−26494
circularly symmetric waveguide theory, use of orthogonal system of Laguerre-Gaussian functions 2−20621
circulator, polarisation independent, for single mode fibres 2−11085
clock signal transmission, optical AGC for optical fibre 2−6833
coating method, new process using thermoplastic tube 2−5996
coating technique, high speed, with UV curable materials, rates >5 m/sec 2−15293
coherent optical fiber transmission systems 2−6010
coherent optical fiber transmission technology 2−1732
communication, multichannel, ang. multiplexing 2−6013
communication cables design and manufacturing 2−25484
communication components 2−2793
communication equipment, technology, appls. 2−25508
communication experiment at 5 Gbit/sec, transmitter, fibre and receiver design 2−16458
communication grade, military communications appl. 2−6830
communication link for missile payout appls. 2−2797
communication link for satellite communication integrated terminals 2−11103
communication receiver design, for data transmission 2−2788
communication system requirements for video signals, data, voice communication 2−6836
communication systems, review 2−26502
communication systems, short-haul, design, appls. 2−26501
communication systems, various solid-state light sources and detectors *(Italian)* 2−11081
communication techniques in the United States 2−21838
communication theory and materials *(French)* 2−21814
communications, developments for the information age 2−16465
communications, sources, detectors 2−21824
communications systems, developments 2−6583
computer system applications 2−16483
computer systems, fibre optical communication 2−2801
concentric-core optical fiber subsystem 2−1733
connector technology, current status review 2−5994
connectors, Sourciau series S1006, low insertion loss *(French)* 2−16475
connectors, system design 2−16489
connectors, technical and economic advantages 2−9970
connectors for fibre optic systems 2−20635
connectors for optical fibre communication networks, design concepts 2−2780
connectors for single-fibre optical data buses *(Czech)* 2−26504
COS3/FOSTER optical fibre cable plant for interconnection of urban exchanges, struct. and charact., laying and jointing procedure *(Italian)* 2−6823
COS 3/FOSTER cable, ultra-speed optical system 2−21840
COS 3/FOSTER fibre-optical communication system, operational trials in Italy 2−26496

optical fibres continued
coupler, directional, using deposited SiO_2 waveguides 2−9989
couplers, design criteria for alignment, environmental and optical quality protection 2−15310
couplers, directional, single-mode, fabricated by twist-etching techniques, stabilisation 2−9990
couplers, star, tee and duplex types, engineering guide 2−21832
coupling loss evaluation betwwen different multimode optical fibres 2−9973
cross coupling, propagating beam theory 2−10009
cruise missile system, fibre optic data link development 2−21817
cut-off frequency differences, single mode fibre, scalar and vectorial modes 2−20630
data acquisition and control, appl. of fibre optic communications 2−2786
data communication, advantages *(German)* 2−10042
data distribution within local network 2−16221
data links, photobleaching techniques anal. for radiation hardening 2−16467
data networks, high-capacity multiple-access, using guided-wave components 2−2796
data on optical fibre systems installed in various countries 2−26515
data transmission, in electronic current transducer for EHV circuits 2−17783
data transmission system component selection 2−1702
data transmission systems for use in avionics 2−22649
development in Japan *(Japanese)* 2−10609
development of fibre-optic telecommunication in France 2−6842
development of optical communication in Germany, review *(German)* 2−2790
developments and improvements in fibre optic system components 2−21823
developments in optoelectronics and displays, IR fibre optics, review 2−22315
diameter; regulation and control by automatic system, BIS-2 meter 2−11349
diameter variation display technique 2−20648
digital communication system, Bayes' optimal receiver 2−11089
digital communication system equipment, 34 Mb/s and 140 Mb/s, GaAlAs DH laser diode and Si avalanche photodiode receiver 2−6841
digital data communications, practical circuit designs 2−11077
digital signal transmission, operational charact. *(German)* 2−21835
digital telecommunication system, basic characteristics and elements, brief review *(Italian)* 2−11082
digital transmission systems, Northern Telecom FD series, terminal equipment, sources and detectors 2−21846
digital transmission techniques *(German)* 2−10756
digital transmission techniques and future performance *(German)* 2−26505
digital TV signal transmission with stereo sound using fibre-optic systems *(German)* 2−2942
digitalisation of long distance network by the German Posts and Telegraph Dept. *(German)* 2−10780
directional coupler formed by two cylindrical parabolic index waveguides, perturbation analysis 2−1705
directional couplers, single-mode and multimode all-fibre, for WDM 2−5983
distorted refr. index profile, pulse propag. theory 2−15314
double crucible optical fibre for data link applications 2−9982
double-α profile fibres, time dispersion evaluation 2−15322
economics and key trade-offs, airborne platform example 2−15336
EDP sub-systems, optical fibre interconnections *(Italian)* 2−11083
electric machines speed control appl. 2−4038
elliptical-cladding single-polarisation optical fibres, birefringence charact. 2−25497
elongated integrated optical components fabrication by fibre pulling 2−10056
European telecommunications, fibre optic techniques of various countries 2−21839
extended spectral response cable characteristics, appls. 2−6837
fabrication by vapour-phase axial deposition, refractive-index profile control techniques 2−10032
fabrication techniques, an overview 2−15332
fault detection using radar principle of pulse refl., GGCY-1 meas. apparatus *(Chinese)* 2−15297
fault location length determ., optical time domain reflectometry using YAG laser 2−3288
fiber optics in nuclear environment, component vulnerability 2−25481
fibre optic cables appl. in local subscriber networks 2−2577
fibre optic data ring design 2−10862
fibre optics, US army base communications applications 2−26493
fibre transmission systems operated at 850, 1200 nm, local telephone network appl. 2−16493
fibreoptic communications, status and development prospects 2−20626
finish metal surfaces, curved and flat, optical fibre sensor appl. *(Japanese)* 2−11674
fire alarm system requiring no energy supply at detector *(French German)* 2−13238
flip-chip coupler fabrication between single-mode fibers and $LiNbO_3$:Ti channel waveguides 2−25539
fluoride glass, 3d transition element doped, IR impurity absorpt. losses 2−15286
fluoride glass, expt. evaluation of material dispersion through refr. index meas. 2−5982
fluoride glass for IR optical fibres, material dispersion meas. 2−25470
fluoride glass low-loss fibre fabrication, build-in casting method 2−25504
FM to AM conversion through group-velocity dispersion in optical fibre 2−25526
full-duplex fibre-optic communication link with microprocessor control 2−21828
fundamental charact. of optical fibres 2−15331
fusion splice using high-freq. discharge with high-voltage trigger 2−10031
fusion splices, tensile strengths of >4 GPa obtained using Cl-OH torch for splicing 2−5998
gamma irradiated, thermolum. obs. 2−6026
German Federal Post Office, digital optical telephone system, research *(German)* 2−21833
German Post Office optical fibre telephone link, Herford to Bunde *(German)* 2−11088
glass, meas. methods *(German)* 2−10016
glass, precision fracture 2−20656
glass fibre communications technology *(German)* 2−21815

optical fibres continued
glass fibre waveguide fabrication, quartz glass core with refl. silicone-rubber cladding 2−1718
glass IR optical fibres, prediction of loss minima 2−1694
glass-polymer type optical fibres, prod., transmission 2−15328
graded index, spectral attenuation determ. using combined mode-filter/mixer 2−15321
graded index and monomode fibres for telecommunications, review 2−10052
graded-index, differential mode delay responses 2−10017
graded-index, fundamental mode, simple and accurate variational methods 2−20645
graded-index, mode coupling due to microbending 2−9972
graded-index, power-law, intramodal dispersion 2−5985
graded-index fibres, pulse transmission props. and excitation-depend. material dispersion 2−25498
graded-index multimode fibres, transmission characts. of splices 2−15290
graded-index optical fibres, wave equation solutions by means of multiparabolic approx. 2−15306
gradient-index tapered fibre, image props. *(Chinese)* 2−20624
guided-wave devices, polarisation-independ. 2−10039
guided-wave optical and SAW devices, systems and appls., conf., San Diego, CA, USA (July 1980) 2−10
heterodyne-type optical fibre communication 2−21820
HF communication using optical components 2−14855
Hi-OVIS, fibre optics-based information society 2−10872
high aperture fibre line, low temp. influence on energy transfer 2−1723
high resolution measurement of diameter variations by backscatter method 2−15301
high speed data transmission, fibre optic link 2−2787
holographic coupler for single-mode optical fibres and cables 2−6277
index profile meas., refracted-ray scanning method 2−15335
index profile meas. by refr.-ray method, refr. near-field scanning 2−5984
industrial appls., design requirements 2−6832
industry survey 2−6825
insertion loss measurement of single microbend, using time-domain reflector 2−1709
installation of outside plant 2−21845
integrated optical components and circuits for space applications 2−3563
integrated optical detectors, used for fibre optic systems 2−7106
integrated services communication system for home-of-the-future 2−11097
interconnection standards, for MX missile program systems 2−21816
interference filters, integrated, fabrication 2−20711
international standards for fibre optics, interfaces 2−26492
introduction to optical fibres 2−15330
IR fibre waveguides, new frontier 2−1701
Italian COS 3/FOSTER interexchange optical cable expt. 2−2804
jacketed fibre, initial fibre deform. effect on excess loss at low temp. 2−20675
junction networks, appls. of optical fibres 2−26512
large capacity optical fibre transmission, present and future technology 2−2785
large scale integrated service local network using optical fiber data highway 2−2812
laser, diode transmitter elements for fibre-optic communication systems, development review *(German)* 2−21826
laser light, ergodicity, in optical fibre transmission 2−10018
laser optics, conf., Leningrad, USSR (Jan. 1980) 2−18844
LED to fibre coupling using spheroid lens at fibre end 2−10003
LED-fibre alignment, built-in p-n photodiode alignment cct. for fibre-optic Si optical bench 2−10002
lens coupling in fibre optic devices, efficiency limits 2−1686
light amplification by evanescent wave coupling 2−1734
light detection without splice 2−25532
light sources for optical links, research into operating wavelength 2−16481
light transmission attenuation versus wavelength *(German)* 2−16463
light-powered telephone subscriber set in optical fibre bidirectional speech transmission system *(Italian)* 2−6645
lightguide fibre centring in silicone coatings using forward-scatt. light 2−1726
lightwave cable systems, utility furnished and alternative power sources, comparison 2−16482
link receivers, use of high speed comparator 2−16488
local and rural networks, appls. of optical fibres 2−26511
local computer networks using fibre optic transmission 2−16203
long fibre links, transmission props. 2−1729
long haul fibre optic data communications system 2−11078
long wavelength digital transmission, performance for field applications 2−11101
long wavelength fiber research in Canada 2−10046
long wavelength optical fibers and cables activity in France 2−10047
long-haul laser transmission system: performance results 2−21841
loss measurement by refl. from end faces 2−20644
luminous intensity emitted by LED and optical fibre end, parametric representation using Legendre polynomials *(French)* 2−20765
magnetic self-aligning optical fibre connector, with magnetic-alloy-clad fibres 2−5995
Maxwell's eqns. solns. in cylindrical coords. for axially travelling waves 2−21013
MCVD preforms, OH reduction by isotope exchange 2−6000
measurement appl. developments, review 2−22277
measurement of transmission and physical properties of optical fibres 2−15334
measurement techniques, optical fibre transmission equipment 2−5990
measurement techniques and international standards *(French)* 2−6834
measurement techniques for important parameters 2−9971
measuring equipment for very small variations of fibre loss 2−25500
mechanical strength investigation 2−20664
Mercury telecommunications system, fibre optics and liberalisation 2−6821
metropolitan interoffice trunk route applications 2−2806
microlenses for coupling single-mode fibres to thin-film waveguides, photoresist lens fabrication 2−6025
middle-IR optical fibres with Pb oxide glass cladding, ref. index of glass, waveguide transmission loss 2−20674
military system requirements for strong optical fibres 2−1717
military systems development 2−6831
miniaturisation limits in optics *(German)* 2−25469
mismatches in fibres for communications, joint and splice losses, standardisation of parameters *(German)* 2−25521

optical fibres continued
modal noise, causes and solns. 2−15318
modal noise estimation for arbitrary connectors, fibres and sources 2−25480
modal noise in optical fibers in the presence of model correlation 2−1703
modal noise reduction by using reduced spot excitation 2−20616
modal power distr. derivation in multimode optical fibres 2−9975
mode coupling effects in optical fiber cables *(Japanese)* 2−15312
mode power distrib., with fluctuation in physical parameters and appl. to backscattering signal anal. 2−15303
modular communication technology, available fibre-optic systems, review *(German)* 2−2791
monomode, Ge doped, made by MCVD, loss mechanism design parameter and fabrication condition interplay on performa-nce 2−6002
monomode 1.3 and 1.5 μm optical fibre transmission system development 2−2808
monomode fibre, Rayleigh backscattered signals obs. using multichannel photon counting technique 2−9979
monomode fibre link, 1.51 μm, using injection locked semiconductor laser as repeater 2−26497
monomode long wavelength system studies of British Telecom research laboratories 2−6009
monomode optical fibre system, 31.6 km fusion splicing 2−25494
multichannel analogue TV transmission over graded-index fibres, noise, distortion and fibre length 2−11199
multichannel fibre-optic splitter, power distrib. efficiency 2−10025
multifibre lowloss connectors with plug-guide-grooved Si 2−9980
multimode, 2-variable approach to scattering problem 2−9976
multimode, backscattered power level variation with numerical aperture 2−25501
multimode, electrowetting optical switch 2−25545
multimode, nonlinear pulse propag. theory 2−15338
multimode, parametric nonstationary stimulated Raman scatt. *(Russian)* 2−10020
multimode, stimulated Raman scatt., threshold pump power 2−25531
multimode, synthesised interf. field form. using two-component correcting system 2−20669
multimode, transmitted laser signal, amplitude fluctuation 2−6014
multimode attenuation measurements, accuracy affected by source near- and far-field variations 2−25490
multimode bent fibre waveguide, optical characts. 2−20663
multimode fiber links, electrooptic switch 2−10040
multimode fibres with tapered hemispherical ends, coupling of semiconductor lasers, lower mode excitation 2−20907
multimode nearly elliptical, tunnelling-radiating effect, near-field index-profile meas. technique 2−20652
multimode optical fibre splice, field trial results 2−11102
multimode optical fibres, length dependence of joint losses 2−25495
multimode optical fibres operated at 1.3 μm, relationship between refractive index difference and fibre performance 2−10044
multimode twisted fibres, light propagation, Verdet const. *(Russian)* 2−10033
multimode-fibre link with imperfect joints, power losses against offsets 2−15308
multiple-service PCM-carrier light wave systems, operational considerations 2−11098
multiplexed telemetry system for UHV transmission 2−2799
multiplexing/demultiplexing system, multiwavelength monolithic integrated fibre optics terminal 2−2798
nonequalising receivers for optical fiber systems, considerations for design *(Italian)* 2−11087
nonlinear ps. pulse propag. with positive group vel. dispersion 2−2009
nonlinear pulse propag. theory in inhomogeneous dispersive media 2−15339
nylon jacket with silicone rubber layer for optical fibre, characts. under lateral press. 2−1687
optical cable pulling, long-spin installation machine 2−21851
optical fibre cables, structure and characts. 2−15333
optical fibre communication, book 2−16484
optimal formation of optical fibre ends *(Hungarian)* 2−25509
optoelectronics, book 2−4574
p-i-n photodiode-FET receivers for 1.3 micron optical fibre systems 2−2789
parabolic-index few mode fibres, mode power distribution 2−20673
Parisian interexchange fibre-optic junction line 2−6843
passive telemetry using simple optical transducers with fibre-optic links 2−16487
photobleaching effects in fibre waveguides 2−5988
photoelectric sensing appls. 2−15340
picosecond optical pulse waveform, single-shot meas. using optical fibres and Pockels cell 2−10334
planar demultiplexer with chirped grating for optical fibre systems, WDM technique 2−6047
planning of optical waveguide installations *(German)* 2−21834
plastic optical fibres, low-loss, transmission spectra 2−1682
polarisation parameter measurement, single mode optical fibre 2−20631
polarisation parameters of single-mode optical fibres, meas. 2−25483
polarisation saturation in long multimode lightguides 2−20671
polystyrene core optical fibre, low loss 2−25516
power reflection meas. by sinusoidal modulation of light intensity 2−20679
power system communications using composite overhead line earth conductor in which optical cable is encased 2−2779
preform index profiling with high spatial resolution 2−10019
preforms, OH ion reduction by isotope exchange 2−25505
principles, manufacture and data transmission *(French)* 2−20625
principles and engineering appls. 2−15298
process control appls. of fibre optics 2−16486
propagation mode evaluation using equiv. ccts. in Fourier space 2−25535
radiation patterns, far-field and near-field meas. systems 2−10034
Raman scattering, dopants and irrad. effects 2−10013
rare earth iron garnet magneto-optic isolator for optical fibre transmission *(Chinese)* 2−25558
refractive index measurement, used for optical communication fibres *(French)* 2−20641
refractive index measurement using reflectometry, stability and noise improvement 2−9974
refractive index profiling, three dimensional 2−15304
reliable injection laser transmitter using twin laser chip for redundancy 2−25788
review of fibre optic communications 2−16477

optical fibres continued
ring-type three-layer optical fibre waveguide, attenuation and pulse broadening 2−1720
rotation sensors, unpolarised reciprocal operation 2−1736
rural telephone systems, optical fibre appls. 2−11079
Sagnac rotation sensors, backscatt. error reduction 2−1735
scintillation counter hodoscope, laser based time and amplitude calibration system 2−22476
security of systems appl. 2−15337
self supporting aerial cable with light wave conductors for a 220 kV overhead cable line *(German)* 2−21822
semiconductor optical sources for fibre communications 2−16479
short haul cable transmission systems, development *(Japanese)* 2−21831
single mode, applications *(French)* 2−15311
single mode, elliptical, thermal stress induced birefringence anal. 2−25489
single mode, jacketed, thermal stress effects on group delay 2−5999
single mode, microbending loss in a loose tube coating 2−1693
single mode, nondestructive meas. of core radius, numerical aperture and cutoff wavelength 2−15294
single mode, polarisation maintenance 2−1728
single mode, splicing and connectors 2−10049
single mode fibre production with negligible intrinsic birefringence and polarisation mode dispersion 2−15299
single mode fibre with high relative refractive index difference values, prep. by VAD 2−15300
single mode fibre-$LiNbO_3$:Ti waveguide, high efficiency coupling 2−25486
single mode fibres, development for operation in the 1 to 1.8 μm region 2−10045
single mode optical fibre, 52 km long, fault location using stimulated Raman scatt. effect 2−25488
single-mode, anisotropic, eigen polarisation mode existence 2−6022
single-mode, anisotropic, multiply perturbed, polarisation behaviour 2−25513
single-mode, backward Rayleigh scatt. polarisation props. meas. and anal. 2−20640
single-mode, birefr., forward-backward transmission, polarisation-sensitive meas. interpretation 2−15325
single-mode, birefr., polarisation holding 2−20654
single-mode, birefr. anal. and meas. using backscatt. method 2−15326
single-mode, birefr. wavelength depend. 2−5986
single-mode, dispersion and bandwidth spectra 2−25511
single-mode, elliptical core, polarisation mode dispersion meas. by spatial technique 2−25512
single-mode, fundamental mode spot-size meas. 2−20632
single-mode, laser diode intensity noise props. due to refl. waves, reduction 2−9992
single-mode, long-range backscatt. expts. 2−20651
single-mode, losses, optical freq. domain reflectometry study 2−20623
single-mode, low dispersion, fabrication over wide spectral range 2−6003
single-mode, low-loss fusion splicing 2−10050
single-mode, meas. of backscatter factor 2−20633
single-mode, numerical method for cut-off freq. 2−20638
single-mode, optical heterodyne communication expt. using freq.-stabilised He-Ne lasers 2−1713
single-mode, output polarisation control 2−9991
single-mode, phase-matched stimulated four-photon mixing in min.-chromatic-dispersion region 2−6021
single-mode, prediction of modal dispersion from spectral behaviour of mode spot size 2−25502
single-mode, step-index, birefr. and polarisation characts. under elastic deforms. 2−9994
single-mode, subjected to controlled vibr., integral phase modulation props. 2−20619
single-mode, submarine cable system appl. 2−6008
single-mode, temporal self-imaging effect 2−10010
single-mode, wavelength dependent effects 2−25519
single-mode and graded-index multimode optical cables for use in long wavelength transmission systems 2−10048
single-mode dispersion-force fibres, 1.5 micron wavelength, fabrication 2−20672
single-mode fibre design, for new-IR freq. generation by phase-matched four-photon mixing in min. chromatic dispersion region 2−25496
single-mode fibre recirculating delay lines, filter response 2−25499
single-mode fibre-to-channel waveguide coupling 2−25482
single-mode fibres, few moments 2−1692
single-mode fibres, pulse distortion theory 2−1684
single-mode fibres, stress analysis by finite element method 2−6011
single-mode heterodyne-type communication system progress 2−1699
single-mode lightguides, prepared by RF plasma-enhanced modified CVD 2−15302
single-mode long-wavelength transmission system trends in Japan 2−6007
single-mode low dispersion fibre transmission, practical versus theoretical max. transmission bandwidth 2−6004
single-mode low-loss fibre development and splicing research in Japan 2−6001
single-mode low-loss triangular-profile fibre fabrication and props. 2−20655
single-mode low-loss W-type waveguide 2−20670
single-mode optical fibre, 111 cm., polarisation behaviour fluctuations 2−15305
single-mode otical fibre communications, $LiNbO_3$:Ti guided-wave devices 2−11096
single-mode preform core dia. meas. by fluoresc. 2−20620
single-mode step-index fibres, prediction of laser wavelength for min. total dispersion 2−25510
single-mode tapped tee data distrib. system 2−6826
single-mode to laser diode efficient coupling using two lens combination in confocal condition 2−9993
single-polarisation single-mode fibres 2−6005
spectral equaliser for HF broadband signals utilizing WDM techniques 2−2800
splice loss evaluation due to fibre parameter mismatching 2−9977
splices and connectors for optical fibre communications 2−16478
splicing methods and apparatus *(Japanese)* 2−9978
spun single-mode fibres, birefr. and polarisation mode-dispersion 2−1683
static elimination in optical fibre connectors 2−25514
step index monomode fibre, dispersion minimum prediction 2−20629
step-index, Goos-Haenchen effect and modal distrib. 2−1706
step-index, modified near-field intensity scanning 2−20647

optical fibres continued
step-index, multimode, mode conversion coeffs. and mode depend. losses, simultaneous meas. in freq. domain 2−5987
step-index monomode, consistent refr. index profile meas. by several techniques 2−6006
stress distribution meas. in fibre or preform 2−25485
submarine cable system performance evaluation *(Japanese)* 2−11086
submarine cable systems, appls. of optical fibres 2−26514
submarine optical cables, design and mechanical characteristics 2−16472
subscriber distribution networks, optical fibre appls. 2−2813
subscriber loop applications, high bit-rate transmission, integrated network capability 2−21848
subscriber loops, Yokosuka field trials 2−2576
sum frequency generation, phase matched 2−1997
sum-frequency light generation, in optical fibres pumped by 2-switched laser 2−2000
T-buses, bidirectional and unidirectional, comparison *(German)* 2−26507
tapping of fibre optic links to elude detect., quantum communication theory 2−15959
technology, advantages over electric wires, government appls. 2−20682
technology and industrial appls. 2−25507
technology of fibres and cables *(German)* 2−25527
telecommunication, basic concepts *(Polish)* 2−20681
telecommunication cable, past, present and future development at Bell-Northern Research 2−21843
telecommunication cable appl. *(German)* 2−2649
telecommunication lines appl. *(Italian)* 2−1691
telecommunications, appls. 2−11076
telecommunications appl. developments *(Italian)* 2−2781
telemetering, conf., San Diego, CA, USA (Oct. 1980) 2−10818
telephone systems, pair gain system on fibre, maintenance capabilities 2−10776
temperature sensitivity minimisation 2−1690
testing cables and equipment, Elie, Manitoba, field trial 2−10051
testing conditions, standardisation 2−10015
time domain reflectometer, automated testing for optical fibre installations 2−6822
time-domain reflectometry characterisation using subpicosecond pulses 2−3289
Tl halide single-crystal fibre waveguides for middle IR range, optical and mech. props. 2−25529
transfer function meas., frequency-domain, using microcomputer controlled system 2−11418
transmission alongside power cable, test results *(Norwegian)* 2−26500
transmission and modulated single-longit. mode semicond., laser characts. at 1.55 μm 2−10331
transmission characts. measurement 2−6018
transmission equipment for small scale communication market *(Japanese)* 2−11075
transmission experiments, 2 Gbit/s, using 51.5 km dispersion-free fibre 2−26498
transmission lines, optical fibre props. for quantitative design 2−9983
transmission system, connections among system parameters *(Hungarian)* 2−16466
transmission systems, commercial equipment and related user-orientated information *(German)* 2−26506
transmission systems, integration into existing network, field trials 2−21847
transmission systems, rationale and appl. 2−21842
transmission systems using optical fibres 2−26510
transmission techniques, digital and analogue systems, review 2−26517
transmission technology, sources and detectors, multiplexing schemes 2−21844
trunk cable transmission characteristics and structural design 2−2803
trunk networks, appls. of optical fibres 2−26513
trunk transmission medium design and performance 2−2802
trunk transmission systems, remote supervision 2−11099
tunnelling leaky modes in fibre-optic waveguides 2−20659
TV, high-quality transmission on optical trunk and subscriber lines in Denmark 2−6935
twisted multimode lightguides, optical activity 2−10029
two-layer lightguide fibres, microinterferometric meas. of refr. index 2−15327
two-mode low-loss fibre, structural design optimisation 2−9996
unchangeable polarisation conditions for single-mode fibre in pulse were transmission 2−20676
undersea fibre optic cable developments 2−21819
undersea optical fibre transmission system technology 2−2809
vapour phase axial deposition single-mode fibre ends, microlens formation 2−25492
visual inspection technique for optical fibre preforms 2−5997
voice and video transmission over optical fibre *(Spanish)* 2−16474
W-type broadband two-mode, structural design 2−20637
waveguide frequency and pulse characts. 2−20668
waveguides, losses induced by ionising radiation 2−15313
waveguides characterisation, bibliography with abstracts (1970-80) 2−10036
wavelength division multiplexing transmission over multinode optical fibres 2−26508
wideband TV signal transmission from commentary cameras, fibre-optic line *(Russian)* 2−2935
Z 2−10054
Ag halide single-crystal fibre waveguides for middle IR range, optical and mech. props. 2−25529
$Fe_{74}Co_{10}B_{16}$ metallic-glass fibre-optic phase modulators 2−21837
GaAs-$Ga_{1-x}Al_xAs$ V-groove lasers for fibre-optic communications 2−6845
GeO optical fibres, stimulated Raman scatt. studies *(Chinese)* 2−25520
GeO_2-SiO_2 glass preforms, pure and codoped, UV absorpt. obs. 2−20608
InGaAs-InP photodiode coupling to optical fibre, quartz block construction 2−9981
InGaAsP/InP Z 2−10399
$In_{1-x}Ga_xAs_{1-y}P_y$ laser and LED reliability for fibre-optic communications 2−2811
InP-$In_{1-x}Ga_xAs_{1-y}P_y$ PIN photodiodes for fibre-optic communications 2−6845
$LinbO_3$:Ti stripe waveguides, end-fire coupling of optical fibres for interconnection purposes 2−10060
MgF_2-MgO (9 mole%) binary system, fibre optic eutectics, growth and appls. 2−15285
NO_2 remote monitoring by differential absorpt. using optical fibre link 2−3592

optical fibres continued
Nd:phosphate glass-fiber laser, stimulated radiation spectral comp. and emission kinetics 2−20872
OH→OD exchange process, reduction of losses in optical fibres 2−25493
Si optical bench for reproducible optical feedback path 2−16470
SiO_2 core fibre stimulated Raman scatt., high-order comb spectrum 2−20649
SiO_2 core optical fibre, tribolum. spectrum 2−25477
SiO_2 hollow fibres, tetrachloromethane-bromotrichloromethane filled, IR generation by multiple-order stimulated Raman scatt. 2−20960
SiO_2 long span single-mode fibres, stimulated Raman amplification charcts. 2−1708
SiO_2 optical fibres, GeO_2 doped, OH overtone vibr., Raman spectra 2−25518
SiO_2:GeO_2-P_2O_5 graded-index optical fibres, transmission bandwidth props. 2−20617
SiO_2-GeO_2-F-P_2O_5 single mode fibres, chromatic dispersion effects calc. 2−25487
Tl halide waveguides for middle IR range 2−1722
TlBr-TlI (KRS-5) optical fibre high-power CW CO_2 laser beam transmission capabilities 2−20650

optical films
see also antireflection coatings
absorbing coating for far IR 2−10102
conical reflector coating, performance in annular resonator 2−1970
diode laser facet coating selection, optimisation procedure 2−1948
dye-in-polymer films for ablative optical recording with GaAs lasers 2−20609
FTIROS film, optical modulator, temp. control by semicond. thermocouple converters 2−20706
II-VI compound vacuum evaporated film, optical consts. determ. with optical waveguides 2−9962
laser damage thresholds at 0.351 μm 2−1995
laser-induced damage to thin-film optical coatings, expt. results 2−6251
laser-induced damage to thin-film optical coatings, theory 2−6252
laser-induced surface and coating damage 2−1992
photogelatin films, sensitised, climatic protection with varnish 2−15575
polyacetylene, p-type, dopant profiles and optical and electrical props. 2−20119
polymer coatings, plasma deposited, colored, metal codeposition technique 2−25474
polyurethane binder and C-pigmented coating for far IR 2−10102
resist films, VUV photochem. reactions, Fourier transform IR difference spectra study 2−5651
silicide films for archival optical storage 2−9963
waveguide, glass sputtered coating, imperfections, light scatt. study 2−15315
As-S, amorphous film, optical waveguide, laser beam electrooptic modulation 2−20691
Ge_xC_{1-x} CVD coating, struct. and optical props., solar absorber appl. 2−25037
In-SiO_2 cermet films for optical recording in metal film ablation memory 2−15284
In_2O_3(-SnO_2) film, transparent conducting, transport and optical props. 2−5597
$In_2O_3SnO_x$ film, RF sputtering of Y_2O_3 2−5013
Se-Te bilayer structural changes by laser writing 2−1774
$Se_{1-x}Ge_x$:Ag film, amorphous, bilayer system for high resolution optical imaging 2−25472
SiC:H, amorphous, plasma deposited coating, photocond. and optical gap, valence electron control 2−24997
SnO_2 film, RF sputtering of Y_2O_3 2−5013
SnO_2(-In_2O_3) film, transparent conducting, transport and optical props. 2−5597

optical filters
see also light absorption; optical films; optical isolators; spatial filters
10-unit dichroic filter spectral splitter module with Fresnel lens for high efficiency 2−18601
acousto-optical spectrum analyzer, swept frequency 2−1760
acousto-optics potential in instrumentation, overview for 1980s 2−6071
acoustooptical tunable filters, operating principles 2−20695
band-elimination design using resonant coupling phenomena *(Japanese)* 2−15296
Bragg filters in optical fibres, freq. response meas. by thermal scanning *(French)* 2−15366
collinear acoustooptic light filtration, limiting resolution 2−10094
colour images, spatial coherent optical filtering 2−21379
colour TV screens, filter concept, optical capability limits 2−16631
CRT screens response speed increasing method 2−3228
electro-optical filter, for rotationally invariant objects detection *(Russian)* 2−1747
electrooptic tunable filters, passband programming 2−10076
far IR wide band-pass filters using optical resonance in metallic meshes 2−20713
fibre-optic integrated interf. filter fabrication 2−20711
gamma-ray energy equivalent correction of independent α-reference sources 2−27055
glass waveguides formed by Ag^+ ion exchange, stripe waveguides, directional couplers and bends, optical filter appls. 2−10064
interference-polarisation filter, controllable stage 2−1772
liquid polarising filter operating in visible, UV regions, high damage threshold 2−15365
LSI photolithography projection printing, influence of axial chromatic aberration reduction 2−9691
luminescent filters, efficiency of wavelength conversion of laser pump light 2−10104
metallic mesh interference filters, high freq. pass 2−6079
metallic mesh interference filters, very long-wavelength low-pass 2−6078
mode-filter/mixer for graded index fibre spectral attenuation meas. 2−15321
monolithic integrated micrograting and photodiodes for wavelength demultiplexing 2−25536
multilayered branching filters for guided optical waves 2−6080
narrow optical bandwidth filter for under water communication receivers 2−16492
narrow-band spectral filter, nonimaging, hemispherical-field-of-view 2−20710
nematic liquid crystal colour filters, transmission spectra 2−1759
phase conjugation by nondegenerate four-wave mixing, for tunable narrow-band filter 2−2006

optical filters continued
single-mode fibre recirculating delay lines, filter response 2−25499
spatially encoded TV cameras *(Japanese)* 2−11215
stripe filter with DDC solid state image sensor for color TV camera 2−11218
wavelength division multiplexing, operation and potential 2−2792
wavelength filters using lossy waveguide coupling 2−20678
wide-angle narrowband filter, background light suppression for line-of-sight optical link 2−16491
$CdGa_2S_4$ single crystal narrow-band tunable optical filter 2−20712
$LiNbO_3$:Ti tunable electro-optic TE⇆TM mode convertor/wavelength filter 2−10068
$LinbO_3$:Ti guided-wave wavelength filters for optical fibre communications appls. 2−11096
MgO-MgF_2 UV interference filters, 2200-2600 Å 2−25562
ZnS-Ta_2O_5-Nb_2O_5 mulilayered thin films optical tunable couplers using SAW, filtering props. 2−20687

optical frequency conversion
see also optical harmonic generation; optical parametric devices
active media, reson. parametric freq., conversion, population saturation influence 2−2011
chalcopyrite crystals, far IR radiation generation, phase-matched difference mixing 2−20952
IR conversion in reson. nonlinear media 2−25857
laser power multiplication in parametric freq. converter with cavity dumper 2−20955
multiphoton parametric freq. conversion in random pump field, theory *(Russian)* 2−25858
nonlinear-optical frequency conversion, present state of research and development 2−20947
optical fibres, pumped by 2-switched laser sum freq. generation 2−2000
optical fibres, sum frequency generation, phase matched 2−1997
Raman scattered Stokes pulses, autosynchronized pulse generation at multiple wavelengths 2−15434
sensitive IR photon detect. with picosec. time resolution 2−22268
submillimetre difference freq. generation, tunable phase-matching 2−10350
tunable mid-IR difference-frequency generator 2−2019
ultrashort light pulse generation in laser with bleachable filter by intracavity generation of Raman emission 2−6259
variable grating mode liquid crystal device for optical processing and computing 2−10084
waveguide, planar, freq. mixing, cryst. orientation effect 2−10342
Ag_3AsS_3, proustite, sum-frequency mixing of CO_2 and He-Ne lasers 2−25842
$AgGaSe_2$, noncritically phase-matched, tunable coherent 16 μm radiation by difference freq. mixing 2−10271
CO_2 laser radiation freq. conversion to 0.5 μm range in nonlinear crysts. 2−25850
Ca vapour, Nd laser freq. up-conversion to visible using four-photon parametric process 2−6267
CdSe, noncritically phase-matched, tunable coherent 16 μm radiation by difference freq. mixing 2−10271
GaAs, difference freq. generation with pulsed CO_2 laser freq. nonlinear mixing *(Russian)* 2−20950
GaSe, down conversion improvement of $LiNbO_3$ optical parametric oscillator output 2−10352
HF laser, resonant parametric frequency conversion in active media 2−2011
I laser advanced concepts, energy storage and extraction, pulsewidth variability and freq. conversion 2−1841
KH_2PO_4 crystal, SHG and sum freq. generation with double-wavelength dye laser 2−15554
$KNbO_3$:Fe^{2+}, volume phase holograph form., coherent light amplification and optical phase conjugation 2−20949
$LiNbO_3$ pyroionistion converter of IR to visible radiation 2−10353
$LiNbO_3$:Fe, white light image processing 2−10717
$LiNbO_3$:Ti waveguide optical serrodyne freq. translator 2−6046
Mg vapour, XeCl and KrF laser freq. up-conversion by four-wave mixing 2−6264
Na vapour, four-wave mixing involving two quadrupole transitions 2−2020
Rb vapour, Nd:garnet laser freq. conversion to visible 2−20957
Te, crystal, 16 μm radiation generation and amplification 2−20953
$ThBr_4$:Np^{4+}(U^{4+}), IR to visible up conversion effect, absolute oscillator strengths *(French)* 2−20946
XeCl laser Raman freq. downconversion, high-power blue-green lasers for Naval systems 2−6157
$ZnGeP_2$, IR absorpt., brightening effect, heat treatment effects 2−20614

optical glass
chalcogenide glass IR optical fibres, prediction of loss minima 2−1694
diffusion of K^+, fabrication of optical waveguides 2−10027
fibre waveguide fabrication, quartz glass core with refl. silicone-rubber cladding 2−1718
fibre waveguides, losses induced by ionising radiation 2−15313
fluoride glass, 3d transition element doped, IR impurity absorpt. losses 2−15286
fluoride glass, expt. evaluation of material dispersion through refr. index meas. 2−5982
fluoride glass for IR optical fibres, material dispersion meas. 2−25470
fluoride glass IR optical fibres, prediction of loss minima 2−1694
fluoride glass low-loss fibre fabrication, build-in casting method 2−25504
glass screen-printed optical components 2−1738
ion exchange diffusion from $AgNO_3$-$NaNO_3$ melts for planar waveguides prep. 2−25530
K8 glass containing different size inclusions, Nd:glass laser damage 2−10335
laser engineering, optical material developments 2−20919
laser induced bulk damage in K-8 glass 2−20941
laser induced damage to optically polished glass surface 2−1992
lasing glass active elements, heat treated, charcts. 2−6198
multicomponent glass two-layer lightguide fibres, microinterferometric meas. of refr. index 2−15327
phosphate laser glass, Nd doped, gain saturation 2−1936
planar light waveguide formed by Ag diffusion, optical props. 2−1714
semiconductor compound doped glasses, nonlinear optical absorpt. effects, laser pulse modulation *(Chinese)* 2−25832
SHG, elec. field induced, atm. effects 2−2005
solar cell cover glass, X-ray induced electron emission meas. 2−14559

optical glass continued
superachromatic triplets based on use of optical glasses for lenses, design *(Hungarian)* 2−1765
thin-film, optical waveguide, low loss, using surface coating and laser annealing 2−6016
tooling in PCB imaging, nature of glass 2−24800
waveguide, sputtered coating, imperfections, light scatt. study 2−15315
BeF_2 glasses, vacuum UV props. 2−9965
GeO_2-SiO_2 glass preforms, pure and codoped, UV absorpt. obs. 2−20608
Nd phosphate concentrated laser glasses, review 2−20863
Nd:glass high-peak-power laser systems, book 2−1935
Pb oxide glass cladding for middle-IR optical fibres, ref. index, waveguide transmission loss 2−20674
SiO_2, fused optical flats, US interactions with thin air layers 2−8915
SiO_2 high-aspect-ratio gratings, wet and dry procesing technologies, UV polarizer appl. 2−20705
SiO_2-GeO_2 glass, material dispersion zero 2−9964
Yb^{3+}, Er^{3+}:glass, volume and surface optical strength meas. at 1.54 μm 2−20613
Yb-Er glasses, laser-pumped, max. attainable gains 2−6199
ZrF_4 based glass, dispersive and scattering props. 2−20612

optical harmonic generation
see also lasers
coherent pulse source 2−2001
dye eight-cell oscillator-amplifier laser, pumped at 308 nm, spectral coverage optimisation 2−15466
free electron laser, SHG, Feynman diagram technique 2−15429
free-electron laser, harmonic generation, linearly polarised wiggler, CW calcs. 2−25659
gaseous media, third harmonic generation using ultrahigh-spectral-brightness ArF* source 2−25843
glass, elec. field induced SHG, atm. effects 2−2005
intracavity generation laws of SHG *(Russian)* 2−10345
MBBA, nematic, flexoelectric induced second harmonic generation 2−2004
MIM junctions, harmonic generation 2−1257
nonlinear-optical frequency conversion, present state of research and development 2−20947
plasma, graded density, with colloidal net, second harmonic generation 2−2157
Raman coeff., first order, related to optical props. of zinc blende crystals 2−10343
rhodamine 6G single-mode CW dye laser radiation single freq. SHG enhancement in reson. ring resonato-r 2−6186
SHG with semiconductor lasers in waveguide structure 2−6263
solid-state ring lasers, 2−1977
third-harmonic emission at a two-photon resonance/ by focused beams/; optimum conversion conditions/ 2−2018
three-level system, resonant SHG 2−25859
two-colour frequency conversion system for high power Nova Nd:glass laser system 2−2022
AlGaAs diode laser, subpicosecond coherent optical pulse generation by passive mode locking 2−25767
$BeSO_4.4H_2O$, electro-optical effect, Raman scatt. and SHG 2−2025
CO_2 laser, freq. conversion using chalcopyrite crysts. *(Japanese)* 2−10346
$Cs_2UO_2Cl_4$ crystal, struct. and nonlinear optics 2−20963
Ge, optical waveguide field distrib. and harmonic generation 2−25838
KD_2PO_4, 90 percent deuterated, Nd:YAG 266 nm fourth harmonic generation, 90 degree phase matched 2−25836
KH_2PO_4 crystal, SHG and sum freq. generation with double-wavelength dye laser 2−15554
$KNbO_3$, second-harmonic generation of $Ga_{1-x}Al_xAs$ injection laser radiation 2−10349
$KNbO_3$ waveguide for second-harmonic generation, with GaAlAs lasers 2−15548
$LiIO_3$ crystal, efficient intracavity SHG of Nd^{3+}:YAG CW laser radiation 2−20967
$LiNbO_3$:Ti channel waveguide, SHG phase matching, electrooptic and temp. tuning 2−25854
$LiNbO_3$:Ti optical waveguide config., Nb_2O_5 clad, efficient SHG 2−6268
$LiNbO_3$:Ti waveguide freq. doubling of GaInAsP laser, coherent green radiation source 2−6262
Nd solid-state slab laser technology, SHG for high-power visible laser sources 2−15556
Nd:YAG actively mode-locked laser, pulse duration meas. using noncollinear SHG 2−10276
Nd:YAG frequency doubled free running laser, regular spike prod. 2−15492
Nd:YAG laser, passive mode locking and freq. modulation and doubling 2−1934
Nd^{3+}:YAG 1.318 μ laser radiation, higher harmonic generation 2−6266
Nd^{3+}:YAG continuously pumped laser with strong intracavity modulation, optimisation and stability 2−20874
Nd^{3+}:YAG pulsed-pump tunable lasers, SHG 2−20855
XeCl laser, 61.6 nm coherent radiation generation by fifth harmonic conversion in Ar and Kr 2−15551

optical images
see also aberrations
anthropological methods of optical image processing, informative element separation by defocusing 2−15951
astigmatic system for optical transformation of coordinates 2−2386
colour images, spatial coherent optical filtering 2−21379
contact screen pulse-width modulation image subtraction technique 2−21365
correlation using acoustooptic spatial light modulator and CCD detector 2−25559
density, measurement error anal. and reduction by logarithmic amplifier *(Russian)* 2−2364
distorted image pre-inverse filtering 2−15926
encoding of extended incoherent source for image subtraction 2−2382
fibre, gradient-index, tapered, image props. *(Chinese)* 2−20624
Fresnel zone plate coded images, optical scanning reconstruction 2−15928
halftone images, fully developed speckle noise effect 2−2390
hatched image coding using multichannel optical-electronic unit *(Russian)* 2−2365
HF enhancement by birefringent lens 2−21378
holographic projection of static three-dimensional images *(Russian)* 2−2056
holographic projectors for three-dimens. static images 2−25868
integrated optics spectrum anaiyser, aspheric geodesic lenses 2−6044

optical images continued
laser Doppler imaging system for flow velocity distrib. meas. 2−17178
lens aberration determination using holographic interferograms of pupils recorded for two points on image plane *(French)* 2−25866
moving object picture anal., TV methods, optical spacial image filtration and automatic hologram anal. *(Russian)* 2−2387
object internal spatial struct. reconstruction from integral projections 2−15957
parallel multimode dielectric slab waveguides, coupling and selfimaging props. 2−6024
planar diffused glass waveguide, 1D image feeding using prism-film coupler 2−25540
Radon transform for projected images *(Russian)* 2−2366
reconstructed image region, direct recovery error, shape influence of shape and boundary distrib. 2−15955
subtraction, quantitative, by pulse-width modulation through one-dimens. contact screens 2−6476
subtraction, real time, electro-optic 2−21370
subtraction with an encoded extended incoherent source 2−15929
wave-front reconstruction of picosecond pulses by stimulated Raman and Rayleigh-wing scatt. 2−10363
$Bi_{12}SiO_{20}$ crystals, two-wave mixing and energy transfer, image amplification and vibr. anal. appls. 2−20988
Nd:glass amplifier, spatial energy radiation charact., diffraction and apodisation effects 2−10272
$Se_{1-x}Ge_x$:Ag film, amorphous, bilayer system for high resolution optical imaging 2−25472

optical information processing
see also spatial filters
ablative optical recording with GaAs lasers, dye-in-polymer films 2−20609
acousto-optic transducers in signal processors, techniques and architectures, real-time parallel - processing 2−6467
acousto-optical correlator, time integrating, based on light polarisation processing 2−15358
anthropological methods of optical image processing, informative element separation by defocusing 2−15951
architectures and algorithms with appl. 2−21369
biomedical engineering, coherent optics and holography appl., review 2−22518
bistable optical devices using Fabry-Perot interferometer, communication and processing appls. *(Spanish)* 2−20956
blurred-edge object recognition method 2−2381
clipped photon correlations, self-scaling 2−15925
closed-form object restoration from limited spatial and spectral information 2−10716
coherent optical processor, for antenna arrays signals processing *(Russian)* 2−2367
coherent optical processors, binary synthesis of complex operational filters *(Russian)* 2−2368
colour images, spatial coherent optical filtering 2−21379
colour video signal processing, using multipurpose CCD comb filter 2−19783
correlator with extended depth of field, preprocessing with Fabry-Perot etalon 2−2378
cosine transform optical computation with coherent optical Fourier transform system 2−2379
differential processing of images, stroke-classification of Chinese characters *(Chinese)* 2−6464
diffraction intensity correlators, image recognition 2−2383
digital image restoration, direct algorithm 2−21364
digital measuring instrument for operating mechanisms 2−16778
distorted image pre-inverse filtering 2−15926
encoding of extended incoherent source for image subtraction 2−2382
Fabry Perot prefiltering, unfocused optical correlator 2−6473
fibre optic iterative optical processor, microprocessor-based 2−20622
Fourier transform optical system, electro-optical filter for rotationally invariant objects detection *(Russian)* 2−1747
Fresnel zone plate coded images, optical scanning reconstruction 2−15928
FTIROS film, optical modulator, temp. control by semicond. thermocouple converters 2−20706
halftone images, fully developed speckle noise effect 2−2390
hardware system in highly-interactive optical visual information systems 2−2939
hatched image coding using multichannel optical-electronic unit *(Russian)* 2−2365
HF enhancement by birefringent lens 2−21378
holographic filter recording and positioning using microprocessor-controlled photo-thermoplastic device 2−15572
holographic image reconstruction system *(t)* 2−20989
holographic intensity correlator using a laser cathode-ray tube 2−25869
holographic interferometric fringe patterns, colour encoding with white-light processing 2−2027
holographic laser scanner for high resolution imaging appls. 2−10390
holographic pattern recognition methods 2−20976
holography, Dennis Gabor memorial symposium, Haifa, Israel (Mar. 1980) 2−18850
hybrid optical-digital image processing with optically generated filters 2−10718
hybrid optoelectronic system for wideband complex-valued Fourier transform meas. 2−16890
image correlation using acoustooptic spatial light modulator and CCD detector 2−25559
image density, measurement error anal. and reduction by logarithmic amplifier *(Russian)* 2−2364
image information sampling and 2-D filters *(Japanese)* 2−10711
image processing, hybrid optical-digital, using pattern recognition methods for correl. signal evaluation 2−2391
image subtraction, quantitative, by pulse-width modulation through one-dimens. contact screens 2−6476
image subtraction, real time, electro-optic 2−21370
image subtraction technique, optical contact screen pulse-width modulation 2−21365
image subtraction with an encoded extended incoherent source 2−15929
incoherent optical correlation techniques and appls. 2−21377
incoherent system for integral transform realisation 2−15953
integral transforms with Bessel function kernels, optical implementation 2−26153
integrated optics spectrum analyser, aspheric geodesic lenses 2−6044
intensity/phase autocorrelator for ultrashort optical pulse meas. 2−17147

optical information processing continued
iterative optical processor, 3 power methods to compute eigenvalues and eigenvectors 2−10707
laser optics, conf., Leningrad, USSR (Jan. 1980) 2−18844
liquid crystal C-CD driven spatial light modulators 2−10090
memories, optical large capacity, correlator appls. 2−2392
microchannel spatial light modulator for image processing operations, performance limitations 2−10073
microscope image, surface and circumference of objects, television methods of measurement *(Polish)* 2−15924
MIS photodiode integrated devices calc., using integral transforms *(Russian)* 2−10136
MOS analog and digital LSI circuit for documents optical reading [for facsimile transceiver] *(French)* 2−16081
moving object picture anal., TV methods, optical spacial image filtration and automatic hologram anal. *(Russian)* 2−2387
multiplexed coherent optical processor for calculating generalized moments 2−21380
nonlinear, appl. of optical ang. discriminator 2−10715
object internal spatial struct. reconstruction from integral projections 2−15957
optimum spatial filters for optical defocus sensing, generation rate of blur-image, appl. 2−21387
opto-electronic liquid crystal bistable device, processing for real-time optical information 2−25557
parallel processing, production processes control *(Bulgarian)* 2−6466
partially coherent optical processing, source encoding 2−26150
periodic pattern defect detect. system using omnidirectional spatial filter, computer processing 2−24018
phase structures analyser 2−26975
photographic image coherent and incoherent optical processing techniques 2−6475
photographic image detection and enhancement, optimal filtering approach 2−15927
picture correction using hybrid TV-optical system 2−2377
picture quality, sinusoidal vibr. degradation effect 2−2384
PROM device, image recording and erasure mechanisms 2−6054
pulse compression codes by hopping, optical orthogonal 2−21272
quasi-differentiating concept, possible optical implementation 2−15954
Radon transform for projected images *(Russian)* 2−2366
real time Fourier processing, chirped heterodyne method 2−26853
reconstructed image region, direct recovery error, shape influence of shape and boundary distrib. 2−15955
remotely sensed temporal thermal IR images, temp. change pattern removal *(Japanese)* 2−17588
robot vehicle, slit code detection method for position measurement *(Japanese)* 2−17131
scanning optical data processor 2−6474
signal processing, review, spectrum anal., correl., ambiguity function computation 2−21374
systolic array processing, optical implementation 2−15952
three-dimensional object recognition, depth meas., use of time-coded parallel planes of light 2−10720
tomographic image reconstruction from limited projections/ using coherent optical feedback/ 2−2369
variable grating mode liquid crystal device for optical processing and computing 2−10084
waveguide optical components for integrated optical signal processing 2−10041
white light image addition and subtraction by colorimetric meas. *(Chinese)* 2−21366
Wiener filters with optimum piecewise-const. freq.-response function 2−10710
$Bi_{12}SiO_{20}$ crystals, two-wave mixing and energy transfer, image amplification and vibr. anal. appls. 2−20988
CO_2 laser heterodyne rangefinder with chirp signal processing 2−16515
CO_2 laser radar systems, range and velocity meas. 2−16514
$LiNbO_3$:Fe, white light image processing 2−10717

optical instrument testing
see also aberrations
No entries

optical instruments
see also ellipsometers; holographic instruments; light interferometers; optical microscopes; optical prisms; photometers; polarimeters
Lambda metre resolution enhancement using novel freq. metre 2−11647
metrology, electronic and electrical instrumentation appls. *(Portuguese)* 2−11332

optical interferometers *see light interferometers*

optical isolators
Faraday rotation glass isolator for semicond. lasers in 0.8 μm range 2−15364
fibre isolator, single mode, toroidal config. 2−15292
rare earth iron garnet magneto-optic isolator for optical fibre transmission *(Chinese)* 2−25558
ring laser, travelling wave, with active amplitude isolator *(Russian)* 2−10312
ring laser with amplitude isolator, optimal regime *(Russian)* 2−10313

optical Kerr effect
electronic optical Kerr coeff. meas. using degenerate four-wave mixing technique 2−20959
laser tunnel mode locking theory *(Russian)* 2−10320

optical links
see also optical communication equipment
1.3 μm LED transmission systems between urban telephone central offices 2−2807
140 Mbits/s, field experience using live telephone and TV traffic 2−26516
aircraft laser communications acquisition & tracking flight tests 2−11092
analogue transmission, optical fibre systems 2−6829
blue-green laser/satellite communications, submarine command and control appl. 2−6774
broadband fibre links using PFM coding, cable TV network 2−6827
Burr-Brown 3714T fibre-optic transmitter for interfacing in remote data acquisition 2−22185
cable assemblies, optical connector development for tactical appl. 2−21818
cable TV, optical trunk line appl., high-quality service 2−6931
Canadian long-haul fibre-optic transmission systems, reliability considerations 2−21829
CATV network feasibility study 2−21967

optical links continued
characteristics and measurements of the properties of optical fibres used in telecommunications *(French)* 2−26494
clock signal transmission, optical AGC for optical fibre 2−6833
coherent space/air to sub-seasurfce optical communication, anal. 2−16485
command, control and communications systems, optical transmission technology appl. 2−2795
communication theory and materials *(French)* 2−21814
communications systems, developments 2−6583
computer systems, fibre optical communication 2−2801
connectors for fibre optic systems 2−20635
COS3/FOSTER optical fibre cable plant for interconnection of urban exchanges, struct. and charact., laying and jointing procedure *(Italian)* 2−6823
COS 3/FOSTER cable, ultra-speed optical system 2−21840
couplers, biconical-taper, modal-noise generation 2−1710
cruise missile system, fibre optic data link development 2−21817
data on optical fibre systems installed in various countries 2−26515
developments and improvements in fibre optic system components 2−21823
digital signal transmission, operational charac. *(German)* 2−21835
digital telecommunication system, basic characteristics and elements, brief review *(Italian)* 2−11082
digital TV signal transmission with stereo sound using fibre-optic systems *(German)* 2−2942
double crucible optical fibre for data link applications 2−9982
EDP sub-systems, optical fibre interconnections *(Italian)* 2−11083
electro-optical integrated light modulators *(Russian)* 2−1749
EMP meas., fibre optic data link 2−21122
fibre, development trends *(Italian)* 2−2781
fibre, industrial appls., design requirements 2−6832
fibre, subscriber loop applications, high bit-rate transmission, integrated network capability 2−21848
fibre bandwidth, losses, bunch problem and EMI characteristics *(Italian)* 2−21623
fibre link, use of remotely controlled bistable integrated directional coupler switch 2−15345
fibre links, economics and key trade-offs, airborne platform example 2−15336
fibre links, transmission props. 2−1729
fibre local networks for data distrib. 2−16221
fibre optic communication link for missile payout appls. 2−2797
fibre optic data links, photobleaching techniques anal. for radiation hardening 2−16467
fibre optic data networks, high-capacity multiple-access, using guided-wave components 2−2796
fibre optic data transmission system component selection 2−1702
fibre optic system, installation of outside plant 2−21845
fibre optic transmission systems, integration into existing network, field trials 2−21847
fibre optic transmission systems, rationale and appl. 2−21842
fibre transmission systems operated at 850, 1200 nm, local telephone network appl. 2−16493
fibre trunk transmission medium design and performance 2−2802
fibre-optic technology applied to computer communications 2−21622
field trial system with wavelength division multiplexing, Sugar Land, Texas 2−6840
full-duplex fibre-optic communication link with microprocessor control 2−21828
German Federal Post Office, digital optical telephone system, research *(German)* 2−21833
German Post Office optical fibre telephone link, Herford to Bunde *(German)* 2−11088
graded index and monomode fibres for telecommunications, review 2−10052
high speed data transmission, fibre optic link 2−2787
integrated communication services, history and current status *(German)* 2−26199
interoffice lightwave facilities network planning for metropolitan area 2−6531
intersatellite link technology assessment 2−2760
intersatellite links using laser beams 2−16453
IR fibre waveguides, new frontier 2−1701
Italian COS 3/FOSTER interexchange optical cable expt. 2−2804
junction networks, appls. of optical fibres 2−26512
large scale projects, planned for Japan *(Japanese)* 2−16473
laser diode to single-mode fibre efficient coupling using two lens combination in confocal condition 2−9993
LED driver, high performance 2−25334
lightwave cable systems, utility furnished and alternative power sources, comparison 2−16482
line-of-sight optical communication through low-visibility weather, multiple forward-scatter model 2−16491
local and rural networks, appls. of optical fibres 2−26511
local computer networks using fibre optic transmission 2−16203
local distribution in a digital communications network for business organizations, microwave radio and fibre-optic systems 2−2462
long haul fibre optic data communications system 2−11078
long wavelength fibre optical digital transmission, performance for field applications 2−11101
long-haul laser transmission system: performance results 2−21841
long-haul systems, present and future technology 2−2785
measurement techniques and international standards *(French)* 2−6834
Mercury telecommunications system, fibre optics and liberalisation 2−6821
mismatches in fibres for communications, joint and splice losses, standardisation of parameters *(German)* 2−25521
modular communication technology, available fibre-optic systems, review *(German)* 2−2791
monomode 1.3 and 1.5 μm optical fibre transmission system development 2−2808
monomode fibre link, 1.51 μm, using injection locked semiconductor laser as repeater 2−26497
multimode fiber links, electrooptic switch 2−10040
multimode-fibre link with imperfect joints, power losses against offsets 2−15308
planning of optical waveguide installations *(German)* 2−21834
programmable controllers, fibre optic links 2−26518
reliable injection laser transmitter using twin laser chip for redundancy 2−25788
remote sensors, using optical data links for high-hazard areas 2−26491

optical links continued
Saskatchewan 2000 mile project, progress report 2−6839
satellite communication integrated terminals, 1 GHz, 1 km fibre optic link 2−11103
short haul optical fibre cable transmission systems, development *(Japanese)* 2−21831
Sirio-2 program, MDD and Lasso missions 2−7366
spacecraft-ground laser communications expt. 2−11093
spectral channel demultiplexer utilising planar multimode waveguide 2−1721
strategic laser communications via satellites 2−11094
submarine cable, performance evaluation *(Japanese)* 2−11086
submarine cable systems, appls. of optical fibres 2−26514
tapping of fibre optic links to elude detect., quantum communication theory 2−15959
telemetering, conf., San Diego, CA, USA (Oct. 1980) 2−10818
telephone systems, pair gain system on fibre, maintenance capabilities 2−10776
three-level balanced code for optical communications systems 2−21852
transceiver, optoelectronic, for signal transmission by diffuse radiation, design and performance *(German)* 2−6828
transmission alongside power cable, test results *(Norwegian)* 2−26500
transmission properties measurement of optical cables in telecommunication systems *(Czech)* 2−26503
transmission systems using optical fibres 2−26510
trunk networks, appls. of optical fibres 2−26513
TV, high-quality transmission on optical trunk and subscriber lines in Denmark 2−6935
undersea fibre optic cable developments 2−21819
undersea optical fibre transmission system technology 2−2809
undersea systems, present and future technology 2−2785
wavelength division multiplexing transmission over multinode optical fibres 2−26508
CO_2 laser communication technology for intersatellite data links 2−2774
InGaAs-InP photodiode coupling to optical fibre, quartz block construction 2−9981
NO_2 remote monitoring by differential absorpt. using optical fibre link 2−3592
Si optical bench for reproducible optical feedback path 2−16470

optical mark reading *see mark scanning equipment*

optical masers *see lasers*

optical materials
see also glass; optical films; optical glass
alkali halides, plasma polymerised films as moisture barriers 2−25475
bubble forming media for optical recording, new approach 2−1681
corrosion-resistant optical storage media, use of amorphous alloys 2−1677
data storage, recording materials, review 2−9968
deformation recording material, charact. and performance 2−1680
diethylene glycol bis(allyl carbonate)-methacrylic ester copolymer, light focusing plastic rod prep. by two-stem copolymerisation *(Japanese)* 2−15317
IR fibre waveguides, new frontier 2−1701
laser destruction of optical materials in crossed beam procedure at various frequencies 2−20930
laser engineering, optical material developments 2−20919
laser-window materials, role of contamination *(Hungarian)* 2−25471
$Li_{1-x}Na_xNbO_3$-$SrNb_2O_6$, Czochralski growth, constitutional supercooling and cryst. quality *(Chinese)* 2−19397
phase transform. interference optical reflecting material medium for visualisation of pulsed laser radiation 2−15287
plastic optical fibres, low-loss, transmission spectra 2−1682
polymer light-focusing element, refr. index profile form. during diffusion process 2−20643
semiconductor compounds as quantum electronic materials, physical charact. *(Russian)* 2−9966
semiconductor materials for quantum electronics, growth and charact. *(Russian)* 2−9967
squarylium for write-once, optical ROM 2−5229
squarylium structures for optical recording 2−1676
$Bi_{12}GeO_{20}$ phase-conjugate wave-front reflectivity, electric-field depend. 2−20961
CO_2 laser optical material charact. 2−20611
CsI, highly transparent, bulk absorpt. coeff. at 10.6 μm, laser calorimetry meas. 2−25473
Cu mirror, laser-induced pitting at 10.6 μm, surface prep. method effect 2−6253
In-SiO_2 cermet films for optical recording in metal film ablation memory 2−15284
KH_2PO_4, KD_2PO_4, electro-optic crystals, defect polished surface layer, etching of damaged layer 2−1679
$KNbO_3$:Fe^{2+} phase-conjugate wave-front reflectivity, electric-field depend. 2−20961
$KTiOPO_4$ crystals, nonlinear optical props. 2−2021
$LiNbO_3$, crystals for quantum electronics 2−20610
$LiNbO_3$:Tl waveguide, fabrication by ion exchange in $TlNO_3$ soln. 2−25478
MgF_2-MgO (9 mole%) binary system, fibre optic eutectics, growth and appls. 2−15285
NaCl, focused laser beam deform., multiphoton polaron and avalanche optical breakdown models 2−6250
SiO_2 fused, Heraeus-Amersil type T08E, thermal expansion uniformity 2−15283
Te AR trilayers, wavelength-depend. laser marking charact., 400-700 nm 2−1773
TlCl-TlBr, KRS-b, highly transparent, bulk absorpt. coeff. at 10.6 μm, laser calorimetry meas. 2−25473
TlCl-TlBr KRS-6 single crystals, vol. radiation strength correl. with other optical charact. 2−9969
YAG crystals for quantum electronics 2−20610
$ZnGeP_2$, IR absorpt., brightening effect, heat treatment effects 2−20614
ZnO optical waveguide material, VPE CVD technique 2−24305
ZnS(Se) transmissive IR materials made by CVD process 2−5024
ZnSe, laser window material, stress-optic coeff. at 10.6 μm, Senarmont compensator meas. 2−1675

optical microscopes
see also optical microscopy
dimensions of components, meas., using microscope with photoelectric sighting of object's edges 2−7105
IR imaging instrumentation for plant and equipment testing 2−7038

optical microscopes continued
laser scanner microscope, ultrafast, for digital image anal., cytology appl. 2−27133
microcomputer-controlled, capabilities extension 2−5525
small-computer digital image analysis system using image pickup equipment and optical microscope 2−16867

optical microscopy
see also optical microscopes
combined SEM and optical macroscope techniques appl. 2−4666
microvascular blood flowmetry using intravital microscope-TV system, improvement by 1-bit correlator *(Japanese)* 2−27139
photoresist film thickness meas., differential interference contrast microscopy and interferometry appl. 2−24826
polyethylene, low density and cross-linked, light detection during the initiation of electrical treeing at room temperature 2−9769
RAM package, SEM/EDAX and optical microscopy analysis of particle impact noise detection (PIND) test failures 2−14945
semiautomatic search for particularly directed particles in nuclear emulsions 2−27075
$Cd_xHg_{1-x}Te$, growth by MOVPE and characterisation 2−4994
Fe-C alloys and structural steel, AE during tensile tests 2−13881
GaAs epitaxial layers, by low pressure MOVPE, using triethylgallium as Ga source 2−4990
InP epitaxial layer, defect obs. and correl. with device performance 2−1198
InP:Se, ion implanted, pulsed laser annealing 2−14789
SiC layer epitaxial growth by sublimation sandwich method, struct. defects 2−19406
ZnS, pure and doped crysts., surface microstruct., impurities effects 2−13805

optical modulation
acousto-optic intensity modification of a Gaussian laser beam 2−15538
acousto-optic intensity modification of a Gaussian laser beam 2−20933
acousto-optic spatial light modulator and CCD for optical image correlation 2−25559
acousto-optic spectrum analyser 2−10095
acousto-optical correlator, time integrating, based on light polarisation processing 2−15358
acousto-optical modulation, using acoustic waves in an anisotropic medium 2−20698
acousto-optical modulator for heterodyne CO_2 laser rangefinder with chirp signal processing 2−16515
acousto-optical spectrum analyzer, swept frequency 2−1760
acoustooptic modulator, planar, 1 GHz range 2−1762
acoustooptic waveguide modulator for hybrid bistable optical device 2−10093
band-pass electro-optical light modulators *(Russian)* 2−20688
bistable integrated directional coupler switch, remotely controlled, in optical fibre link 2−15345
Chinese characters, laser phototypesetter *(Chinese)* 2−10396
DFB laser with strong periodic modulations, theory based on complex Hill eqn. 2−25662
distributed feedback lasers, with strong modulations, dispersion relations 2−10180
dual-prism laser beam compressor, compact collinear and variable anamorphic, design 2−25813
electro-optic modulators for pulse selection system for CW lasers and time-resolved photon counting 2−1751
electro-optical bistable device with delayed feedback, instability 2−6055
electro-optical distance measuring instrument, two channel laser modulation *(German)* 2−15348
electro-optical integrated light modulators *(Russian)* 2−1749
electro-optical modulator, IR detectors frequency charact. meas. apparatus, 0.03 to 1 GHz 2−3159
electron-beam spatial light modulator, props. based on $Bi_{12}GeO_{20}$ and $Bi_{12}SiO_{20}$ crystals 2−15347
electrooptic amplitude modulation, optically induced problems 2−15349
electrooptic devices as laser modulators, using phase change material with reflective, transmissive states 2−15350
electrooptic waveguide commutator switch, three channel 2−25551
fibre, single-mode, subjected to controlled vibr., integral phase modulation props. 2−20619
fibre, wideband FM signal conversion to AM through group velocity dispersion 2−25526
fibre interferometer, single mode, phase modulation induced by controlled vibr. 2−10023
fibres, single-mode, automatic electrooptic polarisation control system 2−9991
Fourier transform hologram linear recording using phase modulator shaped by spatial filtering 2−2039
FTIROS film, optical modulator, temp. control by semicond. thermocouple converters 2−20706
glasses, semiconductor compound doped, nonlinear optical absorpt. effects, laser pulse modulation *(Chinese)* 2−25832
guided-wave devices for optical communication 2−9985
injection laser modulation dynamics, large-signal circuit model for simulation 2−1950
integrated interferometer modulator, basis of hybrid electro-optical multivibrator operating by finite feedback delay 2−25548
integrated Mach-Zender amplitude modulator with optoelectronic feedback loop, response linearization 2−10069
integrated microoptical polarisation-insensitive switches/modulators, new approach 2−9986
integrated optics devices, fabrication technology 2−25542
integrted optical SSB modulator or freq. shifter 2−6033
Josephson junction processor, optical I/O subsystem 2−15246
laser beam control in diffused waveguide by normal elastic waves in substrate 2−10028
laser polar diagram dynamic control, using Fabry-Perot interferometer *(Russian)* 2−1991
laser power multiplication in parametric freq. converter with cavity dumper 2−20955
laser pulse compression in cholesteric liquid cryst. 2−1998
laser pulse shaping by partial switching of resonator losses 2−15519
laser pulse shaping for laser fusion 2−10336
liquid crystal bistable electro-optic modulator *(Chinese)* 2−1755
liquid crystal C-CD driven spatial light modulators 2−10090
liquid crystal electro-optical device, optical noise-limiting and multistability 2−6068

optical modulation continued
liquid displacement due to surface tension elec. modulation, passive display and optical switching appls. 2−6058
magnetic components for microwaves and optics, review 2−14295
microchannel spatial light modulator for image processing operations, performance limitations 2−10073
monomode fibre link, 1.51 μm, using injection locked semiconductor laser as repeater 2−26497
multimode optical waveguide, light polarisation modulation 2−10030
$NH_4H_2PO_4$ electrooptic light modulators construction, performance, and modulation possibility 2−25547
optoelectronic devices based on PZLT, edge effect calc. *(Russian)* 2−10070
passive shutters for Nd:glass lasers, relax. time 2−25819
phase and amplitude meas. by single sideband homodyne detect. 2−26974
photoelastic light polarisation modulator *(Hungarian)* 2−20697
photoelastic modulator of light, anisotropy induced by acoustic standing waves 2−10096
phototypesetter, laser, with four electro-optical modulators *(Chinese)* 2−10397
picosecond light pulses, generation using wavefront inversion 2−10356
picosecond pulse generation, using semicond. lasers, review *(Japanese)* 2−20899
planar electro-optical interference modulator/ with strip light guides/ *(Czech)* 2−1752
Pockels 2−20690
Pockels readout modulator transparency, use in real time hologram recording system 2−15574
power reflection meas. of optical fibres by sinusoidal modulation of light intensity 2−20679
projection lithography using positive resist., optical requirements 2−1276
PROM device, image recording and erasure mechanisms 2−6054
regenerative diode laser pulser 2−25766
resonator losses, programmed modulation, laser generation 2−15518
ring laser, travelling wave, subpicosecond pulse generation using synchronous double-modulation 2−6237
ruby laser, Q-switched, selfmodulation mechanism 2−20862
semiconductor laser, modulation response, lateral carrier diffusion effect 2−1951
semiconductor laser diode, synchronously pumped, mode-locked, picosecond pulse generation 2−25768
space-time light modulator, spectral sensitivity 2−1753
spectral analyser, integrated acoustooptic, prototype 2−1761
submillimetre waves, tunable phase-matching and electro-optic modulation 2−10350
travelling-wave electrooptic modulators, vel. mismatch meas. 2−25550
tunable picosecond pulse generation, 750 to 780 nm by passive and synchronous modelocking 2−10261
two-coordinate modulator-beam splitter, using TlBr-TlCl monocrystal *(Russian)* 2−10100
xerographic recording, non-reversal, laser character generation methods *(Hungarian)* 2−10401
Al-SiO_2-GaAs-n^+-GaP, MIS light modulators using Franz-Keldysh effect 2−6057
AlGaAs DH lasers, modulation characts. in 6 to 10 GHz range 2−20908
AlGaAs diode laser, RF modulated, generation of ultrashort optical pulses *(Japanese)* 2−6220
AlGaAs diode laser, subpicosecond coherent optical pulse generation by passive mode locking 2−25767
AlGaAs injection-locked semiconductor laser, optical FM signal amplification and FM noise reduction 2−10287
Ar ion laser, active mode locking by acousto-optic AM modulation *(Chinese)* 2−6133
Ar^+ laser, active mode-locking using temp. compensated acousto-optic modulator *(Chinese)* 2−15436
As-S, amorphous film, optical waveguide, laser beam electrooptic modulation 2−20691
$Bi_{12}SiO_{20}$ based PROM controllable transparencies, energetic and spatial characts. *(Russian)* 2−1746
$Bi_{12}SiO_{20}$ optical image convertor, effect of electron-hole recomb. on performance 2−22159
$Bi_{12}SiO_{20}$ Soviet PRIZ spatial light modulator 2−1748
$Bi_{12}SiO_{20}$ Soviet Prom and Priz spatial light modulators, test and evaluation 2−20701
CO laser, intensity modulation, freq. stabilisation and tuning by extracavity Stark cell 2−20939
CO_2 hybrid TEA laser, freq. sweeping, origin 2−20796
CO_2, laser, discharge current modulation of output 2−1873
CO_2 laser communication technology for intersatellite data links 2−2774
CO_2 sequence band TEA laser, multi-joule pulses 2−1834
$Fe_{74}Co_{10}B_{16}$ metallic-glass fibre-optic phase modulators 2−21837
GaAs, shallow diffusion of Zn for optical waveguide modulators 2−25534
GaAs-GaAlAs CW DH superluminescent diodes, modulation characts. and intensity noise 2−1817
GaAs-GaAlAs diode laser, multiple segment stripe contact, effect of non-uniform current 2−1963
GaAs-GaAlAs stripe laser, proton-isolated, with tilted facet reflectors 2−15512
GaInAsP buried crescent laser emitting at 1.52 μm, dispersion effects 2−25781
HF high-gain 1.7 kJ laser amplifer, pulse compression using angular multiplexing 2−1844
He-Ne, CW laser, optical modulation by means of polaroid *(Croatian)* 2−1840
InGaAsP-InP DH laser Gbit/sec pulse generation, gating with $LiNbO_3$ waveguide modulator 2−6230
KH_2PO_4, electrooptic light modulators, construction, performance, and modulation possibility 2−25547
$LiNbO_3$ Bragg modulator, relax. processes 2−1745
$LiNbO_3$ wide band branch waveguide modulator, video signal transmission 2−1742
$LiNbO_3$:Fe, white light image processing 2−10717
$LiNbO_3$:Ti guided-wave switch/modulators for optical fibre communications appls. 2−11096
$LiNbO_3$:Ti waveguides, electrooptic-photorefr. modulation 2−16459
$LiNdP_4O_{12}$ lasers, FM mode-locked, gigabit optical pulse generation 2−25749
$LinbO_3$ crystals for light deflection and switching, thermo-optic effect 2−10053
Nd:glass laser, tailored pulse reflection from stimulated Brillouin scatt. mirror 2−10337
optical modulation continued
Nd:YAG active acousto-optic mode-locked pulse laser *(Chinese)* 2−10266
Nd:YAG frequency doubled free running laser, regular spike prod. 2−15492
Nd:YAG laser, passive mode locking and freq. modulation and doubling 2−1934
Nd^{3+}:YAG, travelling wave laser, frequency stabilisation using an intraresonator selector 2−10316
Nd^{3+}:YAG laser, continuously pumped, transient processes, forced mode locking 2−15488
RuO_2-based electrochemical light switch 2−10071
XeCl laser, avalanche/self-sustained discharge pumped, long pulse behaviour 2−1833
XeCl laser, avalanche/self-sustained discharge pumped, long pulse behaviour 2−6129
XeCl laser, injection-locked, unstable resonator based, picosecond high power extraction 2−25802
optical modulators *see modulators; optical modulation*
optical noise measurement
No entries
optical parametric amplifiers
centrosymmetric monocryst., stimulated Raman scatt. and parametric gain 2−10364
degenerate production of photon-anticorrelation effects by means of partially coherent light fields 2−15547
laser power multiplication in parametric freq. converter with cavity dumper 2−20955
three-photon light amplifier, picosec. signal wavefront restoration 2−15555
three-wave nonlinear optical interactions in dispersive media 2−25835
Te, crystal, 16 μm radiation generation and amplification 2−20953
optical parametric devices
see also optical parametric amplifiers; optical parametric oscillators
nonlinear phase distortion compensation possibility by parametric radiation convertors 2−2015
sensitive IR photon detect. with picosec. time resolution 2−22268
tunable mid-IR difference-frequency generator 2−2019
$BaNaNb_2O_{15}$, cryst., laser pumped, parametric light source 2−20964
Ca vapour, Nd laser freq. up-conversion to visible using four-photon parametric process 2−6267
optical parametric oscillators
see also lasers
resonator parametric oscillator, phosphate glass laser pumped, spectrally bonded picosecond pulse generation 2−25831
$KNbO_3$ optical parametric oscillator pumped by YAG laser second harmonic 2−20965
$LiNbO_3$ optical parametric oscillator output, down conversion improvement with GaSe crystals 2−10352
$LiNbO_3$ pulsed optical parametric oscillator, conversion efficiency improvement using external signal injection 2−25852
optical phase conjugation
adaptive optics, conjugate wave generation physics 2−15558
corner-cube array coat, phase conjugator for large aperture wavefronts 2−6272
dye laser, CW, with phase-conjugate mirror, longit. modes and aberration-correction props. 2−15477
dyes, Eastman Kodak types A 9740 and A 9860, mode-locked laser oscill. using self-pumped phase-conjugate refl. 2−6240
electronic optical Kerr coeff. meas. using degenerate four-wave mixing technique 2−20959
filter, tunable narrowband optical, via phase conjugation by nondegenerate four-wave mixing 2−2006
four wave mixing, rotational CARS and stimulated Raman scatt., 3D phase matching 2−10365
hexane, efficient phase conjugation of UV XeF laser beam by stimulated Brillouin scatt. 2−25844
isopropanol, efficient phase conjugation of UV XeF laser beam by stimulated Brillouin scatt. 2−25844
laser beam reflected with reversal of wave front, mean field 2−25825
liquid-crystal transparencies with semicond. photosensitive layer, optical wavefront reversal possibility 2−2014
mirror, real time phase conjugate, for CW dye laser resonator 2−10322
nonlinear distortions correction of light beams by optical system with feedback 2−2010
nonlinear echoes, phase conjugation, time reversal, and electronic holography, review of expts. 2−26118
parametric radiation convertor possibility for nonlinear phase distortion compensation 2−2015
parametric three-photon light amplifier, picosec. signal wavefront restoration 2−15555
picosecond light pulses, generation using wavefront inversion 2−10356
resonators, phase-conjugate, sensitivity to intracavity phase perturbations 2−1974
ruby, nonsimultaneous four-wave interaction, reversed photon echo characts. *(Russian)* 2−20969
self-focusing, suppression by optical phase conjugation and stimulated Brillouin scatt. 2−25856
thin film organic dye saturable absorbers, low power phase conjugation 2−2007
wave front reversal, mechanism for form. in nonlinear optics 2−15549
wavefront inversion for light with spatially inhomogeneous polarization in a four-wave combination interaction 2−10355
Z 2−10361
$Bi_{12}GeO_{20}$ phase-conjugate wave-front reflectivity, electric-field depend. 2−20961
$Bi_{12}SiO_{20}$ crystals, real-time nondestructive testing appl. *(French)* 2−25875
$Bi_{12}SiO_{20}$ photorefractive crystal, phase conjugation by real-time holography and degenerate four wavemixing 2−15559
CS_2, phase conjugation of KrF laser radiation using degenerate four-wave mixing 2−15552
CdS, biexciton states, real and virtual, Raman, fluoresc. and radiative recomb. spectroscopy 2−24972
CdS crystal, degenerate six-photon interaction, optical bistability and hysteresis 2−20968
CdTe crystals, wavefront inversion in degenerate four-wave interaction 2−20948
Cu vapour in active medium, reson. wavefront reversal 2−25849
Cu vapour laser, reson. wavefront reversal in active medium containing Cu vapour 2−25849

optical phase conjugation continued
GaAs-$Al_{0.25}Ga_{0.75}As$ multiquantum well struct., resonant degenerate four-wave mixing 2−25828
GaP, phase-conjugate refl. through degenerate four-wave mixing, 530 nm 2−20958
Ge, four-wave interaction at 10.6 μ, multifreq. signal refl. 2−20966
He-Ne laser radiation wavefront reversal by light-induced shaping of an absorbing material surface 2−2017
HgCdTe, large optical nonlinearities and CW degenerate four-wave mixing 2−10359
n-$Hg_{1-x}Cd_xTe$, bandgap-reson. optical phase conjugation at 10.6 μm 2−15553
$Hg_{1-x}Cd_xTe$, optical phase conjugation in forward and reflective modes 2−10360
$KNbO_3:Fe^{2+}$ phase-conjugate wave-front reflectivity, electric-field depend. 2−20961
$KNbO_3;Fe^{2+}$, volume phase holograph form., coherent light amplification and optical phase conjugation 2−20949
KrF laser radiation, amplified phase conjugate refl. 2−15545
KrF laser radiation phase conjugation using degenerate four-wave mixing in CS_2 2−15552
Mg mirror surface, dynamic hologram recording, wavefront inversion 2−2055
Na vapour, phase conjugate mirror resonator for CW dye laser 2−10322
Nd:glass laser, aberration cancellation by wavefront inversion, appl. to plasma diagnostics 2−10281
SF_6, resonantly enhanced degenerate four-wave mixing, unequal CO_2 laser pump intensity effects 2−25833

optical prisms
angular discrepancies meas., using optical-electronic instrument 2−3104
beam expanding prism in dye laser resonator, influence on linewidth and expansion ratio depend. 2−15524
dual-prism laser beam compressor, compact collinear and variable anamorphic, design 2−25813
laser beam deformation during passage through imaging optical elements 2−1993
multibeam collimator using prism stack for surveying 2−6246
multilayered waveguide, mode analysis and prism coupling 2−1689
polycarbonate prism coupler for $LiNbO_3$ optical waveguide, temp. compensation 2−10061
wavelength division multiplexing, operation and potential 2−2792
NaCl prisms as intracavity dispersive elements for tunable TEA CO_2 laser *(Chinese)* 2−15437

optical projectors
distortion prediction in projection aligner used for IC definition 2−14959
double slide projector with brightness control on change-over *(German)* 2−19751
holographic projection of static three-dimensional images *(Russian)* 2−2056
holographic projectors for three-dimens. static images 2−25868
large screen projector with rear projection *(German)* 2−11204
microscope with photoelectric sighting of object's edges, for components dimensions meas. 2−7105
programmable digital fading control for transparency slide projectors *(German)* 2−14196
projection TV distortion correction requirements 2−21954
sound motion picture film conversion in another projection freq. *(Russian)* 2−16749
TV projection system using oil-film modulator *(German)* 2−16683

optical properties of substances
see also acousto-optical effects; birefringence; brightness; colour; dichroism; dielectric function; electro-optical effects; electrochromism; magneto-optical effects; optical constants; optical Kerr effect; optical rotation; optical saturation; optical susceptibility; photochromism; piezo-optical effects; pleochroism; reflectivity; thermo-optical effects
amorphous and liquid semiconds., conf., Grenoble, France, (July 1981) 2−23865
elecrophotography, sensitivity of 'Organic photoconductors for laser imaging' 2−15647
lamelliform materials, opt. props. and characts. 2−14607
nematic liquid cryst. display 90° twisted, optical props., colorimetry 2−10085
GaSb amorphous film, flash evaporated, electronic props. 2−24973
a-Si:F:H, electrical, spectral and doping properties 2−25023

optical pumping
see also lasers; multiphoton spectra
acetaldehyde, CW optically pumped far-IR laser action 2−1850
alkali atom optical pumping process and polarised alkali ion sources 2−3348
carbon tetrafluoride, CO_2 laser pumped, 615 cm^{-1} superfluorescent emission characts. 2−1865
colour centre lasers, flashlamp excitation 2−6202
colour-centre crystal solar-radiation-pumped CW laser, feasibility study 2−1932
Compton free electron laser, axial DC elec. field, high power visible radiation generation 2−25654
deuterated fluoroform SMMW laser transitions optically pumped by tunable CO_2 waveguide laser 2−25684
deuterated methylene fuoride SMMW laser transitions optically pumped by tunable CO_2 waveguide laser 2−25684
1,1-difluoroethylene SMMW laser transitions optically pumped by tunable CO_2 waveguide laser 2−25684
dye amplifier, transverse-pumped, analytical theory 2−25738
dye eight-cell oscillator-amplifier laser, pumped at 308 nm, spectral coverage optimisation 2−15466
dye Halo laser, two-dimens. operation *(German)* 2−25740
dye IR laser, ruby pumped, with wide tuning range and high output power, operation 2−1919
dye laser, 1 J, XeCl laser pumped 2−10257
dye laser, CW mode-locked, pumped directly by Ar ion laser, near IR picosecond pulse generation 2−25730
dye laser, energy transfer, αNPO-BBOT, characteristics *(Japanese)* 2−10262
dye laser, injection locked flashlamp pumped, cavity resonances, narrow bandwidth oscillation 2−6192
dye laser, laser pumped, subnanosecond pulse generation, cavity length change effect 2−10252
dye laser, laser pumped, subnanosecond pulse generation, rate eqn. model 2−10253

optical pumping continued
dye laser, TEA laser pumped, Ta subnanosecond light pulse generation, spectral band modulation 2−10254
dye laser, tunable waveguide, 200 W power output and narrow bandwidth 2−6180
dye laser, ultrashort cavity, picosecond laser pumped, theory 2−1975
dye lasers, tunable, 330-975 nm anal. using XeCl excimer laser UV pumping source 2−6184
dye lasers, tunable, high-repetition rate, pumped by Cu vapour laser 2−25743
dye-jet laser pumped by second harmonic of Q-switched mode-locked Nd^{3+}:YAG laser 2−20850
dyes lasing under Cu vapour laser radiation influence 2−1921
far IR CW laser emission, by optical pumping with tunable waveguide CO_2 laser 2−25726
far IR hybrid laser with TEM_{00} output beam 2−10202
far IR lasers, high power, freq. tuning and efficiency enhancement 2−25725
far IR lasers, optically pumped, theory for nonlinear Hanle effect 2−25729
far IR lasers, pumped by waveguide CO_2 laser 2−25724
far IR lasers, resonator configs. for pumping, operational techniques *(German)* 2−25698
fibre light propagation, amplification by evanescent wave coupling 2−1734
fluoromethane, $^{12}CH_3F$ and $^{13}CH_3F$, far IR Raman laser with high intensity laser pumping 2−6147
fluoromethane-d_3, vibrational lasing 2−10201
gas lasers with noncoherent optical pumping 2−25671
image intensifier, dye-laser based, using rhodamine 6G solution in ethanol *(Russian)* 2−11380
laser operation with output feedback pumping, phase transition analogy 2−15431
laser power systems, continuous regulation of pumping energy 2−15529
laser pump cavity design around flashlamp 2−15522
laser pump radiation conversion in luminesc. substances 2−20918
laser-pumping flashlamps, failure, reson. mechanism 2−10324
lethargic gain, optical intensity growth, under mode-locked CO_2 optical pumping conditions 2−1866
methanol, far IR lasant, optically pumped, Doppler-free optoacoustic spectroscopy 2−25727
methanol optically pumped around CO_2 9R(10) and 10R(34) laser lines, high resolution IR-far IR spectroscopy 2−25723
methanol pumped by isotopic CO_2 lasers, submillimetre laser line obs. and assignment 2−25678
methyl alchohol, CH_3OH and CD_3OD, optically pumped, Stark effect in subMM laser lines 2−15457
methyl alcohol, optically pumped, FIR laser lines, meas. and assignments 2−15452
methyl bromide, optoacoustic spectrum, far IR laser action by pumping with waveguide CO_2 laser 2−20834
methyl fluoride, optically pumped, vibr. matrix elements determ. using heterodyne meas. of two-photon splittings 2−25703
methyl fluoride distributed feedback laser, optically pumped, 496 μm wavelength 2−25728
methyl fluoride-d_3, $^{13}CD_3F$, optimally pumped, sub MM wave laser emission 2−6145
methyl isocyanide, CW optically pumped far-IR laser action 2−1850
methyl isocyanide, optically pumped MM wave CW laser lines, 823, 938 and 2140 μm 2−1849
methylene fluoride far IR lasant, optically pumped, Doppler-free optoacoustic spectroscopy 2−25727
molecular gas far IR Raman laser with high intensity laser pumping 2−6147
molecular gas laser with common pump and lasing level, kinetic model 2−6150
molecular IR laser, resonant optical pumping 2−10220
molecular lasers, optically pumped, thermal conditions 2−25713
molecular lasers, powerful, in submm. region *(Russian)* 2−1860
multiphoton lasers and multiphoton instability, unified approach 2−6126
multiphoton parametric freq. conversion in random pump field, theory *(Russian)* 2−25858
optical fibres, pumped by 2-switched laser sum freq. generation 2−2000
organic solution laser, coaxial pump props., influence of laser efficiency 2−6181
picosecond pulse generation, using semicond. lasers, review *(Japanese)* 2−20899
pulsed subMM lasers of generator-amplifier type, linear transverse optical excitation *(Russian)* 2−10217
Raman light-guide laser, ultrashort pulse generation 2−15496
resonator parametric optical oscillator, phosphate glass laser pumped, spectrally bonded picosecond pulse generation 2−25831
rhodamine 6G, laser dye, photobleaching study 2−20951
rhodamine 6G dye laser with compounds resonator pumped by Xe-ion laser 2−10265
rhodamine 6G flash-lamp pumped dye laser, cavity dumped PTM mode operation *(Chinese)* 2−10255
rhodamine 6G halo type dye laser, panoramic radiation *(French)* 2−25736
rhodamine 6G laser, reliable high power repetitive pulsed, pumping by linear preionised flashlamps 2−15475
rhodamine 6G pumped by Nd:YAG freq.-doubled source, sub-picosec. pulse generation and amplification 2−6187
rhodamine 6G synchronously pumped dye laser-amplifier system, high-energy picosec. pulses 2−20848
rhodamine-6G, flashlamp pumped dye laser, spectral and spatial props. 2−10259
rooftop resonator, far-IR self-isolating cavity for optically pumped laser 2−20917
sapphire tubes, Stepanov growth, appl. of profiled single cryst. in pulsed pump system 2−1985
sapphire tubes, Stepanov growth, appl. to equalisation in active medium of solid-state laser 2−1986
p-terphenyl dye laser pumped by high energy XeCl pulses, laser characts. 2−15470
tetrafluoromethane laser, isotopically pumped, isotope effects 2−25694
two-dimensional HALO laser excited by N_2 laser *(Hungarian)* 2−20773
vinyl chloride, CW, optically pumped far-IR laser action 2−1850
CF_4 laser, combination band excitation, hot band lasing 2−10220
CO_2 high-press. lasers with selective optical pumping, output parameters 2−25697

optical pumping continued
CO_2-$C^{16}O^{18}O$ laser, optically pumped in 4.3 μ band, lasing investigation in 24- and 38-μ region 2−25673
Cd_3P_2, stimulated emission 2−10279
Co:MgF_2, optically pumped transition-metal lasers, scaling up 2−15501
Cs magnetometer spin generator, reson. freq. stabilisation with modulated optical pumping 2−26945
DF pulsed chemical laser with diffr.-limited beam divergence 2−25707
DF-CO_2 optically pumped transfer laser 2−1868
D_2O high power pulsed ring resonators in far IR 2−20832
$D_2^{18}O$ subMM molecular laser with optical pumping 2−1900
Dy^{2+}:CaF_2, pot. as continuously tunable far-IR laser 2−25748
GaAs DFB laser, optically pumped, with variable grating period, mode selectivity and threshold gain 2−6224
HN_3 far IR laser, reson. pumping 2−10196
I smooth nanosec. laser pulse generation by excimer laser pumping 2−10249
KI:Li$(F_2^+)_A$ centre laser, broadly tunable action beyond 3 μm 2−20860
LiF crystal F_2 colour centre laser *(Chinese)* 2−15482
LiF F_2^--centre CW laser, 1.14-1.2 μ range 2−25755
LiF laser high repetition rate, pumped by Cu vapour laser 2−10280
$LiNdP_4O_{12}$ lasers, laser-diode pumped, spike-mode oscills. 2−10268
$^7Li_2$ laser transitions asignment, Ar^+ and Kr^+ laser pumping 2−6151
NH_3 12-μm Raman laser pumped by low power CO_2 laser pulse 2−1904
NH_3 far IR intracavity laser pumped by TE CO_2 laser 2−20836
NH_3 laser, optical pumping, lasing in fundamental band 2−10220
NH_3 laser, optically pumped, amplification at 11.707 μm 2−15455
NH_3 laser, temp. characts. 2−25710
NH_3 laser with common pump and lasing level, kinetic model 2−6150
$^{14}NH_3$, $^{15}NH_3$, far IR laser lines predictions for CO_2, N_2O pump laser lines 2−25701
$^{14}NH_3$, far IR CW Raman and laser gain 2−10208
$^{15}NH_3$, CW Stark far IR lasing lines, optically pumped by CO_2 or N_2O laser 2−1872
$^{15}NH_3$ far IR laser system, isotopic CO_2 laser pumped, high power and efficiency 2−10224
Na vapour, four-wave mixing involving two quadrupole transitions 2−2020
Na_2 optically pumped laser lines, fluorescence spectra obs. 2−10210
NaF$(F_2^+)_A$ laser, stimulated emission 2−25758
^{23}Na, nuclear spin polarised beam prod. using optical pumping 2−17230
Nd:glass lasers under Q-switching conditions, pump pulse duration optimisation 2−20868
Nd:YAG laser, using LED pumping, tight gap pumping cavity 2−25765
Nd^{3+}:metaphosphate glass laser, spectral generation investigation 2−6196
Nd^{3+}:YAG laser, continuously pumped, transient processes, forced mode locking 2−15488
Ni:MgF_2, Ni:MgO, optically pumped transition-metal lasers, scaling up 2−15501
S_2 laser, XeCl pumped, heat pipe config., elec. discharge effects 2−25669
SO_2 laser pumped by CO_2 laser radiation, transition identification, 139.5-685 μ range 2−25712
SO_2 sub-MM wave lasers, transitions meas. by diode laser heterodyne spectroscopy 2−20838
V:MgF_2, optically pumped transition-metal lasers, scaling up 2−15501
XeF*-XeBr* laser, pumped by electron-beam-stabilized discharge 2−10238
ZnO, stimulated emission obs. at high one-photon excitation level, UV photolum. 2−20858

optical quantum generators *see lasers*

optical radar
see also remote sensing by laser beam
active pointing and tracking laser (POLA) system 2−2838
advanced imaging quad cell tracker 2−2839
atmosphere remote probing using CO_2 DIAL system 2−3633
atmospheric diagnostics by lidar 2−3612
atmospheric gas remote meas., laser appl., Raman reson. diffusion method *(French)* 2−22750
azimuth measurement by means of optical detector arrays, using heuristic algorithm 2−11417
close target location, accuracy of polar coordinate estimation *(Russian)* 2−26541
coherent lidar return characts. from calibration targets and aerosols 2−11117
coherent radar system with multiple apertures, wavefront sensing using radial-grating shearing interferometer 2−6077
continuously tunable IR lidar for atmos. temp. and humidity meas. 2−7429
differential absorption LIDAR for remote meas. of NO_2 profile in stack plume *(Japanese)* 2−22746
digital image processing for detection of military vehicles 2−26161
distance measurement, range of apparatus using pulsed solid laser *(Rumanian)* 2−11623
distant moving target, polar coordinate meas., quasioptimum filtering in laser device *(Russian)* 2−26542
Firepond narrowband coherent 10.6 μm radar for space object imaging, design 2−11119
fluorescence lidar for oceanographic meas. 2−3614
fluorescence lidar system, tracer dye detect. in ocean waters 2−17570
fluorescent particle lidar, signal and noise levels 2−26539
geometrical factors in lidar signals 2−11118
heterodyne laser radar S/N ratio from diffuse target containing multiple glints 2−26540
IR heterodyne-reception radar, imaging and target detect. 2−2832
laser and microwave radar/, differences and similarities 2−2834
laser radar and appls., review 2−11122
laser rangefinders, eyesafe, using 1.73-μm Er:YLF lasers 2−3611
laser ranger designator and thermal imaging system, alignment and testing using common collimator 2−3073
laser ranging device, dynamic motion of air seals meas. on surface-effect ship 2−22221
minilidar, DFVLR, plume dispersion remote meas. over sea surface 2−17583
Minilidar, DFVLR, remote meas. of aerosol plume dispersion over sea surface 2−3638
mobile lidar system for environmental probing 2−21871
ocean depth measurement with airborne laser system 2−3613
passive surveillance using IR radiation, IRS-700 example 2−2833
photodiode receiver load impedance determ. in pulsed optical radar/communication systems 2−15415

optical radar continued
pulse compression codes by hopping, optical orthogonal 2−21272
range finding technique, using laser spot scanner and solid-state image sensors 2−16512
receiver of laser range finder, time-gain control 2−16513
remote-sensing technology status, review 2−3589
short-range self-pulsed optical radar 2−6861
SIRIO-2 laser ranging experiment 2−22723
SIRIO-2 LASSO mission, orbit determ. simulations using laser ranging data 2−27244
three-wavelength lidar method for mass conc. meas. in pollutant cloud 2−17584
time position of variable-length pulses, meas. accuracy 2−2835
wind velocity in troposphere and stratosphere, remote lidar meas. 2−3591
CO_2 advanced laser rangefinders, direct- and heterodyne-detect. type comparison 2−11120
CO_2 coherent TEA laser rangefinder, transmitter/local oscillator design 2−2836
CO_2 heterodyne laser rangefinder using pulse compression 2−11121
CO_2 laser heterodyne rangefinder with chirp signal processing 2−16515
CO_2 laser radar accuracy and resolution improvements 2−21872
CO_2 laser radar systems, range and velocity meas. 2−16514
CO_2 laser radar wire detect. systems for NOE helicopter flight, requirements and capabilities 2−2837

optical resolving power
see also optical instrument testing
distorted image pre-inverse filtering, two-line resolution potential improvement 2−15926
echelle and holographic grating comparison for scatt. and spectral resolution 2−2030
glass particle-detector track diameter and area meas. 2−27049
high-definition TV developments 2−2922
Au transmission gratings with submicrometre spatial periods, fabrication, holographic lithog., X-ray lithog. and microplating 2−20704
$Bi_{12}SiO_{20}$ Soviet Prom and Priz spatial light modulators, test and evaluation 2−20701
CO_2 laser radar accuracy and resolution improvements 2−21872

optical rotation
see also Faraday effect; Kerr magneto-optical effect
EM wave propagation in gyrotropic media near dipole transition freq. 2−21072
EM wave propagation in optically active and magnetoelec. media of arbitrary geometry 2−25928
fibre isolator, single mode, toroidal config. 2−15292
fibre optics, twisted multimode lightguides, optical activity 2−10029
IR image conversion using cholesteric liq. crysts., polarisation method *(t)* 2−20692
MBBA-cholesteryl nonanoate mixture, cholesteric, rotatory dispersion under AC elec. field, appl. to colour display device 2−17060
reflection of light waves from uniaxial anisotropic media, longitudinal and polar config. *(Japanese)* 2−15295
semiconductor compounds as quantum electronic materials, physical characts. *(Russian)* 2−9966
single-mode optical fibres, polarisation parameters meas. 2−25483

optical saturable absorption
dye CW laser passive mode locking with contacted and non-contacted absorbers 2−6179
dye laser, hard mode locking, saturable absorber relax. time influence 2−10314
dye solution passive picosec. switches, relax. time determ. using Nd:glass laser 2−2016
dye solutions, saturated absorpt. as result of two-stage transitions 2−2013
fibre optic data links, photobleaching techniques anal. for radiation hardening 2−16467
fibre waveguides, photobleaching effects 2−5988
glasses, semiconductor compound doped, nonlinear optical absorpt. effects, laser pulse modulation *(Chinese)* 2−25832
laser with intracavity saturable absorber, gain function, dispersive effects 2−15526
methane, saturated dispersion spectrum, freq. stabilisation of He-Ne laser 2−1856
rhodamine 110 dye saturable absorber, passive mode locking of Ar^+ laser, optical bistability 2−15432
rhodamine 6G, laser dye, photobleaching study 2−20951
rhodamine 6G in methyl methacrylate and methacrylicacid copolymer, photo and thermal bleaching 2−10347
ruby passively mode-locked laser construction, mode synchronisation with saturable absorber 2−15495
thin film organic dye saturable absorbers, low power phase conjugation 2−2007
ultrashort light pulse generation in laser with bleachable filter by intracavity generation of Raman emission 2−6259
Ge, photoexcited hot carriers, picosecond interband saturation and intraband relax. 2−24943
He-Ne laser, inverted Lamb dip, expt. and strong signal formalism calc. 2−25690
He-Ne/methane laser with periodically varying optical length, nonliner absorber influence on radiation parameters 2−6169
InGaAsP-InP diode lasers, intrinsic saturable absorption anal. 2−2002

optical saturation
see also optical saturable absorption
gas laser, Gaussian beam, theory *(French)* 2−15451
gas lasers, saturation intensity and gain, flow effects *(Chinese)* 2−6130
methane, saturated dispersion spectrum, freq. stabilization of He-Ne laser 2−15453
quasi waveguide generation of active layer *(Russian)* 2−10538
ring gas laser, light-induced optical nonreciprocity 2−10357
stimulated Raman scatt., superradiation regime, wave-front registration and reconstruction 2−10362
CO_2 laser, high pressure sealed-off condition, power characteristics *(Japanese)* 2−1861
CO_2 waveguide laser, saturation parameter determ. in waveguide tube consisting of metal and highly reflec-ting coating 2−6171
I laser transition at high press., saturation energy density and line profile 2−1842
Nd:phosphate glass laser, gain saturation 2−1936

optical self-focusing
see also electrostriction; Kerr electro-optical effect; optical Kerr effect
asymmetric self-defocusing of optical beam from photorefr. effect 2−25839

optical self-focusing continued
intrinsic optical bistability based on self-focusing 2−2023
laser amplifier systems, evolution of local perturbations 2−25762
laser high power system, apodisation influence on radiation charact. in geometrical focus 2−10333
solid laser self-focusing prevention by active medium length reduction 2−25761
solid-state laser systems for thermonuclear fusion 2−20857
stimulated Raman scatt., superradiation regime, wave-front registration and reconstruction 2−10362
suppression by optical phase conjugation and stimulated Brillouin scatt. 2−25856
$BaTiO_3$ single-domain crystal, optical beam asymmetric self-defocusing from photorefr. effect 2−25839
CO_2-N_2 mixture, reson. self-focusing 2−10344
He-Ne laser radiation self-defocusing as result of thermoelastic deforms. of an ebonite reflecting surface 2−2012
Nd:glass amplifier, spatial energy radiation charact., diffraction and apodisation effects 2−10272
Nd:glass laser system, self-focusing suppression using optical repeaters 2−20864
Yb^{3+}, Er^{3+}:glass laser, self-focusing prevention by active medium length reduction 2−25761

optical storage
see also holographic storage
correlator applications in large capacity optical memories 2−2392
corrosion-resistant optical storage media, use of amorphous alloys 2−1677
discs, digital data and video recording, laser appls. 2−10394
dye-in-polymer films for ablative optical recording with GaAs lasers 2−20609
fluorescent image recording system 2−26774
FTIROS film, optical modulator, temp. control by semicond. thermocouple converters 2−20706
laser applications in information processing 2−15586
laser disc memory for video and optical recording, information processing appl. *(German)* 2−16678
mass memories, appl. of chalcogenide amorphous films 2−25543
miniaturisation limits in optics *(German)* 2−25469
PROM controllable transparencies, $Bi_{12}SiO_{20}$ based *(Russian)* 2−1746
PROM device, image recording and erasure mechanisms 2−6054
recording materials, review 2−9968
semiconductor laser applications in Japan for fibre communication and information processing *(German)* 2−25797
silicide films for archival optical storage 2−9963
squarylium structures for optical recording 2−1676
time domain optical information storage in systems capable of photochemical hole burning 2−25837
write-once, optical ROM, material for providing contrast 2−5229
Al-SiO_2-GaAs-n^+-GaP, MIS light modulators using Franz-Keldysh effect 2−6057
Fe garnet magneto-optic storage light control and display components, use of integrated thin-film techniques *(German)* 2−20694
In-SiO_2 cermet films for optical recording in metal film ablation memory 2−15284
$Se_{1-x}Ge_x$:Ag film, amorphous, bilayer system for high resolution optical imaging 2−25472
WO_3 photoelectrochromic memory device, appl. of amorphous Si 2−20689

optical storage devices *see optical storage*

optical stores *see optical storage*

optical susceptibility
see also nonlinear optical susceptibility
dielectric relaxation, transient-state model accounting for lag of cooperative effect, dielec. susceptibility effects 2−1481
ferroelectric crystal, dielec. susceptiblity, polarisation and cond., meas. method 2−17098

optical systems
see also adaptive optics
Argus 355-nm 90-mm aperture target illum. expts., optical system 2−1990
conference, optical systems and appls., Utrecht, The Netherlands (Sept. 1980) 2−8135
IR imaging systems, aberration correction method for thin achromat 2−20703
laser beam transforming optical system, induced aberration correction in design 2−1988
laser optical system error sensing using scattered light 2−25816
laser scanner design, low-cost 2−20994
matrix processor, using transparencies with intermediate cylindrical optical elements *(Russian)* 2−10105
miniaturisation limits in optics *(German)* 2−25469
nonlinear distortions correction of light beams by optical system with feedback 2−2010

optical telescopes *see telescopes*

optical television recording *see video recording*

optical testing
Used for testing of optical components. For testing by optical means see materials testing or nondestructive testing
see also optical instrument testing; optical workshop techniques
aspheric surfaces, measurement by optical differential technique 2−7211
fiber optic measurements for the Elie, Manitoba, field trial 2−10051
fibre backscatter meas. using optical time domain reflectometer 2−10035
fibre characterisation by back-reflected light measurement *(Norwegian)* 2−25506
fibre fault detection using radar principle of pulse refl., GGCY-1 meas. apparatus *(Chinese)* 2−15297
fibre loss, measuring equipment for very small variations 2−25500
fibre optics, testing conditions, standardisation 2−10015
fibre transfer function meas., frequency-domain, using microcomputer controlled system 2−11418
fibre waveguides characterisation, bibliography with abstracts (1970-80) 2−10036
holographic gratings, triangular and sinusoidal grooves, manufacture and test results 2−2045
laser ranger designator and thermal imaging system, alignment and testing using common collimator 2−3073
MM region, optical tests of quasi-optical components 2−25561
prisms angular discrepancies, using optical-electronic instrument 2−3104

optical testing continued
projection aligner for LSI photolithography, optical distortion prediction 2−14959
shared aperture components, spectral shaped 2−1766
surface measurement in three dimens., optical techniques 2−7215
switching networks, optical channel waveguide total internal refl., fabrication and testing 2−1741
time domain reflectometer, automated testing for optical fibre installations 2−6822
visual inspection technique for optical fibre preforms 2−5997
waveguide, glass sputtered coating, imperfections, light scatt. study 2−15315
GeO_2-B_2O_3-SiO_2 glass fibre optic preforms, nondestructive conc. profiling by Raman spectra anal. 2−1700

optical transfer function
fibre transfer function meas., frequency-domain, using microcomputer controlled system 2−11418
fibre waveguide frequency and pulse charact. 2−20668
microchannel plates, MTF estimation 2−3084
on paradoxes in wave propagations and interpretation of them by optical systems 2−15717
optimum spatial filters for optical defocus sensing, generation rate of blur-image, appl. 2−21387
optoacoustic transducer, multilayer planar design, resolution calc. 2−6070
picture quality, sinusoidal vibr. degradation effect 2−2384
projection lithography using positive resist., optical requirements 2−1276
PROM device, image recording and erasure mechanisms 2−6054
spectral sensitivity and transfer charact. of TV cameras, application in machine text observation and central *(German)* 2−24882

optical variables control
photoresistor detectors for UV intensity control in art galleries *(Czech)* 2−7109
pulse width modulators, control appls. 2−13943

optical variables measurement
see also colorimetry; densitometry; light velocity measurement; optical noise measurement; photometry; polarimetry; Q-factor measurement; refractive index measurement; streak photography; turbidimetry
amplitude measurement by phase-modulated single sideband detect., integrated optics appl. 2−7225
angular, fluctuation of optical beam meas., using dissector follower system 2−3596
automated loss measurement set for optical cables 2−7003
bandwidth meas. system for short fibre lengths 2−10024
communications optical fibre measurement techniques and international standards *(French)* 2−6834
electroreflectance meas. in vacuum UV region using digital detector systems and H discharge tube *(Japanese)* 2−17151
fibre attenuation measurement using LPS method 2−15320
fibre attenuation measurements, technique for minimising effect of detector inhomogeneity 2−25491
fibre characterisation by back-reflected light measurement *(Norwegian)* 2−25506
fibre loss, measuring equipment for very small variations 2−25500
fibre optics, measurement techniques for important parameters 2−9971
fibre optics measurement techniques 2−5990
fibre radiation patterns, far-field and near-field, meas. systems 2−10034
fibre waveguides characterisation, bibliography with abstracts (1970-80) 2−10036
intensity/phase autocorrelator for ultrashort optical pulse meas. 2−17147
laser optical system error sensing using scattered light 2−25816
laser wavelength, using Fabry-Perot reflecting interferometer 2−25815
LCD indicators contrast and colour difference meas., computer-controlled meas. system *(German)* 2−3054
light units charact. 2−17152
lighting brightness measurement, human eye adaptation effect *(Japanese)* 2−8088
modal power distr. derivation in multimode optical fibres 2−9975
multimode attenuation measurements, accuracy affected by source near- and far-field variations 2−25490
optical fibre, polarisation parameter measurement 2−20631
optical fibre transmission charact. measurement 2−6018
optical fibres, glass, meas. methods *(German)* 2−10016
phase and amplitude meas. by single sideband homodyne detect. 2−26974
phase measurement by phase-modulated single sideband detect., integrated optics appl. 2−7225
phase structures analyser 2−26975
power reflection meas. of optical fibres by sinusoidal modulation of light intensity 2−20679
solar cells, optical characterisation, computer-controlled instrumentation, spectral photoresponse, reflectivity, transmissivity, GaAs and stacked cells 2−22112
stress-optic coefficient of ZnSe at 10.6 μm, Senarmont compensator meas. technique 2−1675
transmission properties measurement of optical cables in telecommunication systems *(Czech)* 2−26503
visible laser line freq. difference meas. up to 170 GHz using MIM point contact diodes 2−11642
wavefront tilt and phase sensing using radial-grating shearing interferometer 2−6077

optical waveguide components
see also optical couplers; optical isolators
acoustooptic waveguide modulator for hybrid bistable optical device 2−10093
channel divider, broadband, for fibre-optics communication lines with spectral multiplexing 2−20627
chirped waveguide diffraction gratings, improved holography 2−6279
correcting system, two-component, for synthesised interf. field form. in multimode fibres 2−20669
electrooptic waveguide commutator switch, three channel 2−25551
guided-wave devices for optical communication 2−9985
guided-wave optical and SAW devices, systems and appls., conf., San Diego, CA, USA (July 1980) 2−10
integrated optical force and stress sensor 2−7078
integrated optical signal processing, waveguide optical components 2−10041
laser/optoelectronic technology developments in new wavelengths *(German)* 2−15425
microlens formation on vapour phase axial deposition single-mode fibre ends 2−25492
multilayered branching filters for guided optical waves 2−6080

optical waveguide components continued
planar demultiplexer with chirped grating for optical fibre systems, WDM technique 2−6047
planar electro-optical interference modulator/ with strip light guides/ *(Czech)* 2−1752
switch utilizing total refl. crit. angle controlled by dielec. chip motion 2−1688
switching network, N×M electrooptical, in planar $LiNbO_3$ optical waveguide, for computer communications 2−11090
switching networks, optical channel waveguide total internal refl., fabrication and testing 2−1741
wavelength filters using lossy waveguide coupling 2−20678
Y-junction, single-mode optical waveguide, operation mechanism 2−25525
GaAs, shallow diffusion of Zn for optical waveguide modulators 2−25534
$LiNbO_3$ crystals for light deflection and switching, thermo-optic effect 2−10053
$LiNbO_3$ wide band branch waveguide modulator, video signal transmission 2−1742
$LiNbO_3$:Ti waveguide optical serrodyne freq. translator 2−6046

optical waveguide theory
see also guided light propagation
bending loss formulae for step-index optical fibre and their applicable regions 2−20677
circularly symmetric waveguide theory, use of orthogonal system of Laguerre-Gaussian functions 2−20621
dielectric waveguide array, modal props., integral representation technique 2−10008
diffused waveguide, emitted light interf. 2−1719
directional coupler formed by two cylindrical parabolic index waveguides, perturbation analysis 2−1705
fibre, birefringent single-mode, degree of polarisation 2−20634
fibre, single mode, elliptical, thermal stress induced birefringence anal. 2−25489
fibre cross coupling, propagating beam theory 2−10009
fibre propagation mode evaluation using equiv. ccts. in Fourier space 2−25535
fibres, graded-index, mode coupling due to microbending 2−9972
graded light guide theory, transmission modes, optical leakage *(German)* 2−20642
graded-index large-optical-cavity waveguides, TE modes, semicond. laser appls. 2−25524
graded-index optical fibres, wave equation solutions by means of multiparabolic approx. 2−15306
hollow core, oxide-glass-cladding, loss calc. 2−25517
hollow waveguides for IR, 2-dimens., losses and phase const. changes caused by bends 2−21169
inhomogeneous diffused channel waveguide in integrated optics, wave propag. anal. using finite-difference method 2−10067
irregular magneto-optical waveguides 2−1696
jacketed fibre, initial fibre deform. effect on excess loss at low temp. 2−20675
leaky modes on waveguides for integrated optics 2−6036
light echo in optical waveguides 2−25853
light radiation from dielectric waveguide, depend. on surface corrugation 2−15343
multilayered waveguide, mode analysis and prism coupling 2−1689
multimode, hybrid method for paraxial beam propagation 2−1697
multimode, with impedance loaded walls 2−26017
multimode fibres, nonlinear pulse propag. theory 2−15338
nonlinear pulse propag. theory in inhomogeneous dispersive media 2−15339
open-boundary waveguides, orthogonality and amplitude spectrum of radiation modes 2−10006
optical fibres, distorted refr. index profile, pulse propag. theory 2−15314
parabolic-index few mode fibres, mode power distribution 2−20673
parallel multimode dielectric slab waveguides, coupling and selfimaging props. 2−6024
periodic multilayered waveguide, expression for no. of guided TE modes 2−10007
periodic waveguides, microwave modelling 2−1698
planar waveguide, freq. mixing, cryst. orientation effect 2−10342
planar waveguide, power depend. refr. index 2−10004
pulse dispersion factors, profile optimisation *(German)* 2−25523
quasi waveguide generation of active layer *(Russian)* 2−10538
resonant coupling phenomena of guided mode with metal surface plasma mode *(Japanese)* 2−15296
semiconductor DH laser, reflectivity, analytical approx. 2−20892
single-mode fibres, pulse distortion theory 2−1684
single-mode fibres, stress analysis by finite element method 2−6011
step-index fibres, Goos-Haenchen effect and modal distrib. 2−1706
tapered optical monomode waveguide near field radiation patterns, theoretical calcs. 2−10043
thin-film optical waveguides and directional coupler, numerical analysis 2−20657
TM mode acoustooptic interaction efficiency, freq. depend. 2−20666
unchangeable polarisation conditions for single-mode fibre in pulse were transmission 2−20676
wavelength filters using lossy waveguide coupling 2−20678
$LiNbO_3$:Ti diffused, anisotropic, leaky mode investigation, WKB approx. 2−20667
$LiTaO_3$:Ti diffused, anisotropic, leaky mode investigation, WKB approx. 2−20667

optical waveguides
see also optical fibres; optical waveguide components; optical waveguide theory
acoustooptic modulator, planar, 1 GHz range 2−1762
asymmetric plane inhomogeneous dielec. waveguide synthesis *(Russian)* 2−10014
Bragg cell, 500 MHz bandwidth guided wave L-band 2−20696
communication systems, commercial models *(German)* 2−16464
communications, developments for the information age 2−16465
composite multilayer waveguides, grating struct. investigation 2−20660
Compton free electron laser, axial DC elec. field, high power visible radiation generation 2−25654
coupler, directional, using deposited SiO_2 waveguides 2−9989
curved dielectric, method for diminishing total transmission losses 2−9984
defocusing plastic rod prep. by copolymerisation 2−15288
diethylene glycol bis(allyl carbonate)-methacrylic ester copolymer, light focusing plastic rod prep. by two-stem copolymerisation *(Japanese)* 2−15317

optical waveguides continued
diffused strip waveguides in glass 2−20661
dye laser, thin film optical waveguiding evanescent, with corner reflecting resonator 2−1916
dye laser, tunable waveguide, 200 W power output and narrow bandwidth 2−6180
electrooptic guided-wave device for general polarisation transforms. 2−9987
fabrication by diffusion from molten nitrate mixtures 2−20658
far IR hybrid laser with TEM_{00} output beam 2−10202
fibre, meas. methods, bibliography with abstracts (1970-80) 2−10036
flip-chip coupler fabrication between single-mode fibers and $LiNbO_3$:Ti channel waveguides 2−25539
fluoromethane optically pumped 496 μm DFB gas laser 2−10207
glass, ion exchange diffusion from $AgNO_3$-$NaNO_3$ melts for planar wavegu ides prep. 2−25530
glass planar light waveguide formed by Ag diffusion, optical props. 2−1714
glass sputtered coating, imperfections, light scatt. study 2−15315
glass substrate, diffusion of K^+, fabrication of optical waveguides 2−10027
glass thin-film, low loss, using surface coating and laser annealing 2−6016
glass waveguides formed by Ag^+ ion exchange, stripe waveguides, directional couplers and bends, optical filter appls. 2−10064
guided-wave devices, polarisation-independ. 2−10039
guided-wave devices for optical communication 2−9985
guided-wave optical and SAW devices, systems and appls., conf., San Diego, CA, USA (July 1980) 2−10
II-VI compound vacuum evaporated film, optical consts. determ. with optical waveguides 2−9962
image transmission charact. of planar multimode waveguides, optimization of self-imaging props. 2−11095
injection heterojunction laser with high pulsed power 2−10300
integrated microoptical polarisation-insensitive switches/modulators, new approach 2−9986
integrated optic circuit losses, expt., fibre pigtailing of chips 2−10054
integrated optic strip waveguides driven by surface acoustic waves 2−25537
integrated optical data preprocessor, 16-channel, based on Mach-Zhender interferometer config., fabrication 2−25538
integrated optics devices, fabrication technology 2−25542
laser beam control in diffused waveguide by normal elastic waves in substrate 2−10028
laser pulse transmission, ultrashort, through waveguide resonator with distributed Bragg mirrors 2−1980
lens, planar, with refractive index gradient 2−1771
metal clad dielec. film waveguide with low refractive index buffer layer, guided mode-surface plasma mode resonant coupling 2−10012
metallic waveguide systems for collecting, directing, and shaping 3 kW laser beams 2−10022
multimode, hybrid method for paraxial beam propagation 2−1697
multimode optical waveguide, light polarisation modulation 2−10030
multimode slab waveguide, in manufacture of cylindrical concave diffraction grating 2−15362
multimode strip waveguides formed by ion-exchanged processes, field-induced index profiles 2−10062
open dielectric waveguides, generalised two-dimensional coupled-mode anal. of curved and chirped periodic structures 2−1695
open dielectric waveguides for integrated optics and MM-wave ICs, guidance and leakage props. 2−907
open dielectric waveguides for integrated optics and MM-wave ICs, guidance and leakage props. 2−908
periodic, microwave modelling 2−1698
photochromic stripe waveguides for integrated optics, organic fulgides appls. 2−10065
planar diffused glass waveguide, 1D image feeding using prism-film coupler 2−25540
polymer light-focusing element, refr. index profile form. during diffusion process 2−20643
radiochromic dye optical waveguides, broad-range dosimetry 2−17243
reflection of light waves from uniaxial anisotropic media, longitudinal and polar config. *(Japanese)* 2−15295
ring-channel waveguides, bistability anal. 2−15323
short-distance data transmission systems *(German)* 2−6824
single mode fibre-$LiNbO_3$:Ti waveguide, high efficiency coupling 2−25486
spectral channel demultiplexer utilising planar multimode waveguide 2−1721
spectrally selective waveguide photodetector 2−3167
submillimetre difference freq. generation, tunable phase-matching 2−10350
tapered optical monomode waveguide near field radiation patterns, expt. results 2−10043
transmission properties measurement of optical cables in telecommunication systems *(Czech)* 2−26503
undersea optical cable, 1.3 km long, connected with optical repeater, sea trial 2−16462
$Al_xGa_{1-x}As$ buried heterostruct. laser, single mode operation by loss stabilisation 2−6210
As-S, amorphous film, optical waveguide, laser beam electrooptic modulation 2−20691
As_2S_3 amorphous film waveguide, optical grating device fabrication 2−1740
CO_2 high-power military waveguide laser 2−10247
CO_2 pulse-periodic waveguide laser pumped by longit. capacitor discharge 2−20819
CO_2 static CW waveguide laser with high-freq. excitation 2−20828
CO_2 tunable waveguide laser with high transverse mode and line discrimination 2−25685
CO_2 waveguide laser, 00^01 vibr.-level lifetime meas. 2−20936
CO_2 waveguide laser, development of sealed-off long life device 2−10228
CO_2, waveguide laser, effect of resonator-mirror curvature on output power 2−10317
CO_2 waveguide laser, optogalvanic stabilisation and offset tuning 2−25824
CO_2 waveguide laser, saturation parameter determ. in waveguide tube consisting of metal and highly reflec-ting coating 2−6171
CO_2 waveguide laser discharge tubes, signal amplification in 10.6 μm band 2−20935
CO_2 waveguide lasers containing diffr. grating, coupling losses 2−20837

optical waveguides continued
CO_3 80 μm hollow-core slab waveguide laser, 10.6 μm optical gain meas. 2−10203
$Ga_{1-x}Al_xAs$ electron-beam-pumped laser, oxide film influence on threshold current density 2−20943
GaAs IR waveguides, proton implanted, substrate temp. effects 2−1715
GaAs lasers, longitudinal mode control using three mirror active passive cavity 2−10306
n-GaAs, proton implanted, IR absorpt. 2−20628
GaAs/GaAlAs curved rib waveguides, loss value meas. 2−6049
GaAs-GaAlAs integrated optical devices fabricated by MBE and metal-organic CVD 2−25541
$Ga_xIn_{1-x}As_yP_{1-y}$-InP laser, 1.3 μm, index-guiding struct. grown on terraced substrate 2−1964
Ge, field distrib. and harmonic generation 2−25838
glass waveguides with Ag^+ ion exchange, loss anal. 2−10063
InGaAsP ridge waveguide laser performance at 1.3 μm 2−10302
InGaAsP-InP plano-convex waveguide 1.3 μm laser, transverse mode stabilisation 2−1946
InSb ring-channel waveguide, bistability anal. 2−15323
$KNbO_3$ waveguide for second-harmonic generation, with GaAlAs lasers 2−15548
$LiNbO_3$ Bragg modulator, relax. processes 2−1745
$LiNbO_3$, c-plate orientation, diffused optical waveguides on +c and −c faces, integrated optics appls., chemical etching 2−10058
$LiNbO_3$ diffused waveguides, electro-optical props. 2−15329
$LiNbO_3$ single mode optical waveguides, fabrication by ion implantation 2−15307
$LiNbO_3$ Ti-diffused waveguide, modal fields and curvature losses 2−6023
$LiNbO_3$ Ti-indiffused waveguide, geodesic lens performance characts. 2−6037
$LiNbO_3$ waveguides, stoichiometry-control and performance for integrated optics 2−25515
$LiNbO_3$ waveguides, single-mode, planar and channel, fabricated by ion exchange 2−25533
$LiNbO_3$:Ti asymmetric branching waveguides, optical guided wave propag. characts. 2−9995
$LiNbO_3$:Ti channel waveguides for switching in integrated optics 2−10057
$LiNbO_3$:Ti channel waveguide, SHG phase matching, electrooptic and temp. tuning 2−25854
$LiNbO_3$:Ti diffused channel waveguide, surface-index profile meas. using interferometric technique 2−15289
$LiNbO_3$:Ti diffused channel waveguide characts. 2−20662
$LiNbO_3$:Ti diffused waveguides, stoichiometry-control and performance for integrated optics 2−25515
$LiNbO_3$:Ti diffusion-fabricated optical waveguide, broad-band acoustooptic interaction 2−1724
$LiNbO_3$:Ti optical waveguide config., Nb_2O_5 clad, efficient SHG 2−6268
$LiNbO_3$:Ti optical waveguides, dispersion curves rel. to fabrication parameters, comparison of theory and expt. 2−10059
$LiNbO_3$:Ti waveguide, integrated optic SSB modulator or freq. shifter 2−6033
$LiNbO_3$:Ti waveguide, segmented photoresist Bragg grating for static spatial filter 2−6041
$LiNbO_3$:Ti waveguide freq. doubling of GaInAsP laser, coherent green radiation source 2−6262
$LiNbO_3$:Ti waveguides, electrooptic-photorefr. modulation 2−16459
$LiNbO_3$:Tl waveguide, fabrication by ion exchange in $TlNO_3$ soln. 2−25478
rectangular metallic waveguide resonator performance evaluation near 1.2 mm wavelengths 2−20912
SiO_2-Ta_2O_5 waveguide dielec. thin films, refr. index var. due to laser irrad. and annealing 2−10005
T 2−20880
YIG anisotropic planar lightguide covered by metal layer, TE⇌TM mode conversion 2−15341
ZnO optical waveguide material, VPE CVD technique 2−24305
ZnO-SiO_2-Si waveguide, propag. characts. of optical-guided waves 2−20680

optical workshop techniques
asymmetric plane inhomogeneous dielec. waveguide synthesis *(Russian)* 2−10014
defocusing plastic rod prep. by copolymerisation 2−15288
diethylene glycol bis(allyl carbonate)-methacrylic ester copolymer, light focusing plastic rod prep. by two-stem copolymerisation *(Japanese)* 2−15317
diffraction grating fabrication for integrated optics 2−15342
fibre coating method, new process using thermoplastic tube 2−5996
fibre coating technique, high speed, with UV curable materials, rates >5 m/sec 2−15293
fibre couplers, directional, single-mode, fabricated by twist-etching techniques, stabilisation 2−9990
fibre ends, optimal formation *(Hungarian)* 2−25509
fibre fabrication by vapour-phase axial deposition, refractive-index profile control techniques 2−10032
fibre fusion splice using high-freq. discharge with high-voltage trigger 2−10031
fibre fusion splices, tensile strengths of >4 GPa obtained using Cl-OH torch for splicing 2−5998
fibre MCVD preforms, OH reduction by isotope exchange 2−6000
fibre Y-branch fabrication, appl. in optical time-domain reflectometer 2−11644
fibres, monomode, Ge doped, made by MCVD, loss mechanism, design parameter and fabrication condition-interplay on performance 2−6002
fibres, single-mode, low dispersion, fabrication over wide spectral range 2−6003
fluoride glass low-loss fibre fabrication, build-in casting method 2−25504
glass fibre waveguide fabrication, quartz glass core with refl. silicone-rubber cladding 2−1718
glass substrate, diffusion of K^+, fabrication of optical waveguides 2−10027
grating profiles, asymm. triangular, with 90° groove angles, by ion-beam erosion 2−1737
holographic grating production, exposing interf. pattern stabilisation using reference grating and servosystem 2−2044
holographic gratings, blazed form. by surface waves and replication by metal electroforming 2−2042
holographic gratings, triangular and sinusoidal grooves, manufacture and test results 2−2045

optical workshop techniques continued
holographic surface grating fabrication techniques 2−2043
integrated optics devices, fabrication technology 2−25542
micro lens fabrication using electron-beam lithography 2−20686
microgratings, electron-beam directly written, for integrated optical circuits 2−6042
microlens formation on vapour phase axial deposition single-mode fibre ends 2−25492
microlenses for coupling single-mode fibres to thin-film waveguides, photoresist lens fabrication 2−6025
polymer light-focusing element, refr. index profile form. during diffusion process 2−20643
single mode fibre production with negligible intrinsic birefringence and polarisation mode dispersion 2−15299
single mode fibre with high relative refractive index difference values, prep. by VAD 2−15300
single-mode lightguides, prepared by RF plasma-enhanced modified CVD 2−15302
single-mode low-loss fibre development and splicing research in Japan 2−6001
thermoplastic adhesive reinforcement for arc-fusion spliced fibres 2−15309
waveguide fabrication by diffusion from molten nitrate mixtures 2−20658
Au transmission gratings with submicrometre spatial periods, fabrication, holographic lithog., X-ray lithog. and microplating 2−20704
Cu mirror, laser-induced pitting at 10.6 μm, surface prep. method effect 2−6253
GaAs IR waveguides, proton implanted, substrate temp. effects 2−1715
GaAs, shallow diffusion of Zn for optical waveguide modulators 2−25534
GaAs-AlGaAs DH system, monolithic integration of optical sources and detectors, processing techni-ques 2−6035
GaAs-GaAlAs integrated optical devices fabricated by MBE and metal-organic CVD 2−25541
GaInAsP/InP integrated twin-guide lasers for single-mode operation, fabrication techniques 2−6048
KH_2PO_4, KD_2PO_4, electro-optic crystals, defect polished surface layer, etching of damaged layer 2−1679
$LiNbO_3$ waveguides, single-mode, planar and channel, fabricated by ion exchange 2−25533

optical zone plates
Fresnel zone plate coded images, optical scanning reconstruction 2−15928

optics
see also aberrations; adaptive optics; atmospheric optics; fibre optics; Fourier transform optics; geometrical optics; holography; integrated optics; nonlinear optics; optical elements; physical optics
road lighting lanterns, optical design, computer techniques 2−18739

optimal control
see also dynamic programming; game theory; maximum principle; minimum principle; predictive control
10-bus 13-line power system load flow optimisation algorithm, mathematical programming application 2−22781
aircraft control display, analysis and design using optimal control model of human pilot 2−3551
approximation schemes for nonlinear neutral optimal control systems 2−13760
atmospheric flight, optimal trajectories (book) 2−8140
attitude stabilisation of Earth-pointing spacecraft, by solar pressure 2−22583
best variants choice, general theory 2−382
boiler-turbine generation unit, soot blowing, optimisation methods for energy efficient operation 2−12499
certainty equivalence property in stochastic control theory 2−386
computer communication networks, routing problems, appl. of hierarchical control techniques 2−15971
data handling process in case of random failures 2−8308
differential equation model local convergence 2−8752
distributed parameter systems, boundary control and boundary observation *(Chinese)* 2−13368
dynamic stability of simple power system, computerised analysis 2−12131
EHV transmission line containing controlled reactors, transient stability limit 2−3688
EHV transmission system containing controlled reactors, transient stability limits 2−3689
electric power system, criterion models in optimisation *(Russian)* 2−3685
estimation of states and parameters in continuous nonlinear systems with discrete observations 2−13761
existence of optimal strategy in univariate diffusion process control 2−19334
feasibly decentralized dynamic compensators in power generation 2−7513
fission reactor start-up and shut-down using digital hierarchical decentralised information system 2−7693
formulation of pseudoparabolic boundary control problems 2−13762
geostationary station acquisition and station keeping with low-thrust systems [geostationary missions] 2−22599
hydro electric system, optimal management *(French)* 2−18064
induction motor drives, in-line optimal control 2−18657
integral controller, for stabilisation of synchronous machines 2−27884
integrated optimal control of large turbo-generator set and tests on micro-alternator system *(Chinese)* 2−27878
interconnected large-scale power systems, control of energy interchange 2−17621
interconnected power system control using two-level methods 2−22843
invertors, optimal control of commutation pulses, nonlinear optimisation technique 2−18352
large hydrothermal power systems, economic operation 2−17662
M/G/1 queuing system with removable server 2−19105
M/M/1 queue, optimal control for entry of many classes of customers 2−13411
Markov chain control under conditions with respect to absolute stationary probabilities and cost 2−4822
Markov chains, singular perturbation approach to modelling and control 2−263
matrix spectral factorisation 2−4920
microprocessor controlled electric process heater 2−13078
mirror track radar antenna, time optimal control implementation 2−16503
multimachine power system, closed loop quasioptimal excitation control strategy 2−3695
NADCON, ship solid gain AR autopilot, comparison with PID autopilot *(Japanese)* 2−2852

optimal control continued
nonlinear stochastic systems, optimal control 2−383
nuclear reaction, optimal control using functional analysis 2−3861
nuclear reactor cone power density distribution, multilevel control 2−7694
nuclear reactor online computer control using optimal control and state estimation methods 2−7691
one armed bandit adaptive control problem, optimal solution 2−4904
optimal control of an exterior Robin problem 2−13658
optimal metal cutting machine tool spindle drive, d.c. motor control to extend constant horsepower range 2−27945
optimal power flow, review 2−27330
optimal power flow based upon P-Q decomposition 2−27391
packet switched computer networks, optimal flow control 2−15964
periodic solutions to differential inclusions 2−19355
permanent magnet synchronous motor drive with current source invertor, steady-state anal. 2−12978
petrochemical plant, distillation energy consumption, closed loop optimisation using computer control package 2−23835
plasma etching for semiconductor masking 2−25323
power boiler computer based control system 2−23105
power generation and system control via modern control theory 2−22852
power network stability, dynamic model of optimum development *(Russian)* 2−17691
power system, load frequency control via constant limited-state feedback 2−3680
power system dynamic fit and equivalent optimal control using system identification method *(Chinese)* 2−7467
power system load scheduling 2−22863
power system model with two tie lines, optimal control strategies for transient stability improvements 2−27331
power system optimal short-term operation, economic evaluation of operational reserve policies 2−22853
power systems, optimal decentralized damping of low-frequency oscillations under control energy constraints 2−3696
pseudo-parabolic problems, convergence properties of optimal controls 2−8405
quadratic optimal control problems with amplitude constrained control, convergence of approximations 2−374
random evolution control 2−13490
satellite attitude optimisation, apogee kick motor firing maneuver 2−22601
satellite communication antennas, control analysis for direct mechanical stabilisation 2−10588
scanner control system response speeds, problem of improvement *(Russian)* 2−25884
scientific and methodological problems of system studies in large power complex 2−12163
semi-Markov birth-and-death processes, controlled, optimal strategies 2−8524
steam and hydraulic interconnected power areas, effect of size difference on optimal response 2−27420
step-by-step motor recorders, optimal control conditions *(Rumanian)* 2−18280
stochastic scheduling, perturbation anal. of system of quasi variational inequalities 2−384
stochastic systems, differential equations model 2−13734
synchronous generator, solid rotor with divided winding, optimal controller design employing output feedback 2−7822
synchronous machine stability region maximisation control law for operation in network 2−27899
target core compactness in linear delay system 2−8408
thermal power plants, statistical identification and optimal control 2−27722
time-optimal parabolic boundary control problems with state constraints 2−8751
time-optimal rectifier-unit control 2−12720
turbogenerator, laboratory model, indirect identification and control 2−7811
two partially observed competing queues, stochastic control 2−194
underwater acoustic electro-ceramic projector radiated pressure control by state variable feedback 2−27316
variable speed tail chase aerial combat problem 2−8456

optimal systems
beamformer response to source with all-pole angular power density spectrum 2−26147
digital communication system, Bayes' optimal receiver 2−11089

optimisation
see also mathematical programming; minimax techniques; minimisation
abstract convex program with finite dimensional range, optimality characterisation 2−397
adaptive algorithm for discrete-time differential games 2−13419
adaptive equalization algorithms for optimization of a generalized mean square cost 2−6380
addressing networks, two-level, programmable and hardwired syntheses of discrete functions 2−19495
addressing networks, two-level, programmable and hardwired syntheses of discrete functions 2−24354
air conditioning and heating energy consumption *(German)* 2−28258
analogue level stabiliser for noise-distorted signals, digital modelling *(Russian)* 2−26114
analysis of the optimal structure of city electricity supply systems 2−27487
analytical treatment of hydro units with random energy in stochastic production simulation 2−23164
antenna arrays using digital phase shifters, sidelobe suppression by multistage decision method 2−10598
asymptotic behaviour of the likelihood ratio test under presence of deviations of the model 2−13479
asynchronous machines, computer-aided optimisation system *(Bulgarian)* 2−27913
atmospheric flight, optimal trajectories (book) 2−8140
automated constrained optimisation of electronic networks to time-domain specs., interactive design 2−665
automated system reliability indices optimisation by effective service strategies *(German)* 2−8321
auxiliary power system design optimisation for large generating units 2−17709
availability of periodically tested stored items, effects of imperfect testing 2−145

optimisation continued
AVRs of generators of production and transmission networks, voltage compound and reference values coordination 2−3715
B_4-code length, lower bound 2−2277
best variants choice, general theory 2−382
bifuel thermal power plants, mathematical programming model 2−19250
biharmonic operator, duality in obstacle and unilateral problem 2−19248
bin packing conjecture, counterexample 2−8639
bipolar transistors at different bias conditions, equiv. cct. modelling 2−1361
boiler-turbine generation unit, soot blowing, optimisation methods for energy efficient operation 2−12499
Boolean programming and clique number 2−19254
bore-hole sulphur mining, optimisation of number of bores *(Polish)* 2−13644
broadband communication antenna equivalents, synthesis using computer-aided optimization methods 2−10564
capacitor induction motor, miniature, design optimisation 2−4250
centralized versus decentralized damping of low-frequency oscillations in a large power system 2−7505
certainty equivalence property in stochastic control theory 2−386
chemical engineering, equation analyzer for mathematical expressions manipulation, nonlinear optimisation appl. 2−4890
chemical process, approximation programming, computational difficulties 2−4889
chemical processes, approximation programming, FLOWTRAN models optimisation 2−4888
choice of optimum parameters of network coolant for heat-producing systems with nuclear district heating plants 2−12360
closedness, relaxation and bang-bang theorems *(French)* 2−13370
coal combine with mutually interacting power systems and damping devices, optimisation using linear dynamic model *(Russian)* 2−17637
Comet Halley mission, midcourse navigation and propellant estimation computing 2−22598
communication network management, optimisation techniques and real time considerations 2−16015
communication switching, Erlang loss function and derivative, asymptotic expansion, appl. to optimization of switching systems 2−2399
complementary current impulse commutated invertor, anal. and optimisation 2−18361
computer network topological design, shortest-path algorithms, comparative study 2−26275
computer-aided circuit design as graphical interactive dialogue *(German)* 2−8943
connected graphs, minimal Hamiltonian chain algorithm, optimisation problem appl. *(Rumanian)* 2−19175
consideration of heat accumulation in steam lines on optimization of computer control for power unit start-up 2−12475
constrained optimization of functionals with search theory applications 2−24212
continuous quasiconvex functions 2−13641
contour of complete nonuniqueness as a method of structural optimization with stability constraints 2−13637
control aproximation problems and Fenchel-Rockafellar duality *(German)* 2−13640
covariance operators, minimax property of optimal equivariant estimates 2−285
cryoturbogenerator windings, cooled by thermosiphon method, optimum parameter choice 2−18160
Czechoslovak power system, planning, development and management information systems *(Czech)* 2−27364
daily fossil fuel management programme, optimisation algorithm 2−22833
data transmission systems, optimum predistortion of signals *(Russian)* 2−21349
DC machines, excitation dynamics, optimisation 2−12659
decision response models, preference, efficiency and convexity *(German)* 2−4745
decomposition approaches to large-scale multiobjective reliability design 2−4682
decomposition local functional 2−19333
developments in optimal power flow 2−27392
dielectric conductivity profile reconstruction in time domain 2−22355
diesel-electric locomotives, running performance simulation using mathematical models *(German)* 2−13010
digital coaxial systems, max. achievable repeater spacing 2−6736
digital filters, recursive, with coefficients of finite word length, design procedure 2−19801
digital local-area radio-links network, RF assignment problems, network optimization algorithm appl. 2−2692
diode laser facet coating selection, optimisation procedure 2−1948
directional secondary inferior derivatives, stability in programming non differentiables *(French)* 2−19249
discharge level of artificial lake, optimal selection regarding costs and energy production 2−7770
discrete deterministic N-stage control problems, duality appl. *(German)* 2−13642
discrete maximum principle for finite elements of higher order 2−536
district heating power stations, optimum thermal load sharing, computer models *(German)* 2−3907
dynamic models of tidal estuaries 2−23184
dynamic programming inequalities associated with the deterministic optical stopping problem in discrete and continuous time 2−19262
economic design of attribute control charts for mutliple assignable causes 2−8278
efficient constrained power flow technique based on active-reactive decoupling and the use of linear programming 2−22881
EHV transmission system containing controlled reactors, transient stability limits 2−3689
electric circuits, global optimisation, computer-aided techniques 2−666
electric power grid developments mathematical modelling *(Russian)* 2−22887
electric power network development, dynamic optimisation models, multi-criteria assessment *(Russian)* 2−12195
electric power systems, complex optimisation, using mathematical model OPC 15 *(Russian)* 2−22888
electrical equipment, preventive maintenance, optimum interval determ. 2−4620
electrical networks, minimisation of active power losses by reactive power compensation *(Rumanian)* 2−12210
electrical networks programming, control and optimisation of power absorbed *(Italian)* 2−7527

optimisation continued
electrical power system development, appl. of fuzzy set theory *(Russian)* 2−17673
electron beam lithography, proximity effect compensation, optimisation techniques 2−25313
electron beam lithography proximity correction, model for optimising CPU time 2−25314
ellipsoid method and its consequences in combinatorial optimization 2−19172
energy optimization in rapid transit system employing double switching operation mode 2−12986
energy strategy planning for electric utility, SMARTE methodology 2−27429
energy strategy planning for electric utility, SMARTE methodology case study 2−27430
equivalent optimisation problems and decomposition *(German)* 2−407
experiment planning methods in radio components development, review 2−4605
extremal problems in statistics 2−284
fast optimal load-flow under emergency operating conditions 2−22871
fleet maintenance, (S-1, S) spare-part inventory policy 2−18954
flexible PCB design rel. to flexural strength, optimisation, statistical evaluation 2−14392
fractional order sinusoidal oscillators, optimisation and appl. in linear FM 2−5136
fractionation optimisation through advanced control 2−18818
frequency assignment in radio networks using optimisation techniques 2−26568
fuzzy expectation values in multistage optimization problems, nuclear reactor investment strategy example 2−12375
gas turbine combustor stoichiometry for expanded operating regime 2−27765
generator distribution among bus and switch structures for various voltages at power plants 2−27407
geophysical prospecting, transient methods, shape of generating pulses *(Russian)* 2−22719
GI/M/1 queue control by conditional acceptance of customers 2−192
globally convergent algorithm for exact penalty functions 2−8644
gradient projection descent algorithms *(Chinese)* 2−13626
graphics, Watkins' algorithm 2−431
gyromonotrons, RF field distrib. optimisation 2−25647
high-speed electrical machines, problem of optimisation of flexible mounts compliance *(Russian)* 2−12609
hydropower plants daily operation regime calculation model and program optimisation *(Rumanian)* 2−3956
hydrothermal interconnected systems, long-term optimisation of operation *(German)* 2−12138
IC capacitive press. transducer with high sensitivity 2−22237
IC design, reviews 2−5788
induction motor drives, in-line optimal control 2−18657
induction motor star-delta switching performance during starting 2−7835
induction motors design optimization calcs. *(Polish)* 2−4130
industrial power plants, optimal load distribution *(German)* 2−7731
instruments testing, periods between tests optimisation, w.r.t. test quality 2−6980
interconnected power network, optimal load dispatch strategy determ. 2−17649
interconnected systems, existence and nonexistence of limit cycles 2−387
interprocessor network utilisation rate optimisation models *(Italian)* 2−21625
interval procedures, Monte Carlo studies, optimal allocation of computer time 2−19118
invertors, two-way, mains-borne, current-choking optimisation *(German)* 2−28009
isotone optimal policies for structured Markov decision processes 2−8445
iterative aggregation algorithm for unconstrained optimisation problems 2−8637
Lagrange multiplers, minimal, existence 2−413
large scale Markov decision processes, bounds for suboptimal design procedure 2−8460
large telephone network, models and control structure 2−16068
large telephone network decentralised control scheme 2−16069
laser material processing, process optimisation 2−10404
law of large numbers for random sets and allocation processes 2−24209
learning algorithms for two-person zero-sum stochastic games with incomplete information 2−221
LED display, multiplexed excitation, optimised current control 2−10169
limit theorem for stochastic optimization processes and estimation with constant step *(Russian)* 2−24194
linear complementarity problems soln. *(German)* 2−417
linear complementarity problems soln. *(German)* 2−418
linear equalities system with constraints, solutions *(German)* 2−410
linear estimator based on estimators with unknown basis 2−13628
locally undecomposable relations and independence systems, distribution 2−8584
LV distribution/network investment and operating costs optimisation using computer *(Finnish)* 2−27468
M/G/1 queuing system with removable server, optimal control 2−19105
Markov chains, singular perturbation approach to modelling and control 2−263
Markov chains, singular perturbation approach to modelling and control 2−13499
Markov decision processes with continuous and switching costs 2−8459
Markov processes observation, search for epsilon-optimal strategies 2−4762
matching forests, optimum, polyhedra facets 2−19218
matching network design studies for microwave transistor amplifiers 2−5123
mathematical model and method of reactive power optimisation in an electricity network *(French)* 2−22797
matrix sparsity and piecewise linearity 2−170
maximum flow in (s,t) planar networks 2−19184
measures of information for different entropies, properties 2−2229
micropump, solar product optimisation 2−23636
minimum functions, optimal search for maximum in case of coupled variables 2−24217
minimum spanning tree with normal variates as weights 2−394
Monte Carlo vector algorithm methods, optimisation *(Russian)* 2−13791
MOS-transistor parameter determination, optimisation procedure 2−1386
moving weighted average smoothing extended to the extremities of the data, stability and optimal properties 2−19096

optimisation continued
multi-criterial optimization of energy transport variants 2−12333
multiaccess satellite system, capacity allocation, analytical results 2−21810
multicriteria problems, compromise solutions using the fuzzy min-operator 2−8645
multicriterial method for dispatching electric load limitatations *(Russian)* 2−12175
multicritical optimisation, graphical methods *(Czech)* 2−4900
multicritical optimisation with dominant criterion, model 2−24189
multilevel optimization of complex technological systems *(Russian)* 2−19622
multimodal optimisation theory, axiomatic approach to statistical models and their use 2−19261
multimotor unified elec. drives with flexible couplings *(Russian)* 2−23663
near optimal path assignment through cct modelling 2−19492
network reliability, optimum allocation *(Chinese)* 2−13905
nonlinear programming problems, structured families optimality conditions 2−19259
on the computational complexity of centers locating in a graph 2−4826
one dimensional optimisation, interpolation methods 2−367
operations research, directed acyclic graphs with exclusive-OR nodes, optimal segmentation 2−306
optimal power converter design, modelling 2−18368
optimised electron-beam lithographic process, digital simulation 2−9694
optimum size of small run of river plants, tropical river regions and less developed countries 2−27797
packet-switched speech/data digital network, optimum packet length calc., w.r.t. delays *(French)* 2−26170
parallel optimization with applications to power systems 2−22842
parallel slit spatial filter for circumferential vel. meas., optimum slit number 2−15367
parameter-optimisation method, appln. to piezoelectric bar transducers, analysis of layered matching structure for wideband frequency response 2−3133
parametric linear, set theory continuity properties 2−19227
partial response data transmission filters, optimal design 2−5273
PCB for computer, quasi-optimal distrib. of electronic components *(Spanish)* 2−19952
PCB manufacture prepreg optimization for high-temp. performance 2−14472
penalty term of optimisation algorithm discussion by external penalty technique with pattern searches *(Chinese)* 2−13625
perturbation function, application to demonstration of Kuhn Tucker theorem and results in optimisation theory and elsewhere 2−8652
petroleum reservoir history matching optimisation, goal programming tool 2−4885
power distribution feeder balancing using ampere-mile vector theory rel. to telephone interference 2−17699
power distribution system cost model and its application to optimal conductor sizing 2−27477
power engineering optimisation problems and methods of solution *(Russian)* 2−24197
power plant optimum scheduling, simplex algorithm appl. *(German)* 2−7517
power system, complex optimisation of load flow, simplex method *(Russian)* 2−22889
power system, large scale optimal unit commitment problems, soln. 2−22832
power system, quasi-Newton method for optimal load-flow solution under emergency mode of operation 2−7494
power system control multitarget dynamic optimisation *(Russian)* 2−22818
power system equipment operation optimisation algorithm *(Russian)* 2−12136
power system planning, using 'Dimensionnement' optimisation model *(French)* 2−12198
power systems, probability model for automatic stationary state control *(Russian)* 2−17630
power systems, service reliability optimisation problems, soln. 2−27406
power transmission lines, self-excited galloping oscillation control using mechanical dampers, optimisation 2−3771
practical optimisation, book 2−8656
preplay negotiations and the prisoners' dilemma 2−13415
preventive maintenance optimisation, parametric models for small samples 2−13246
process control system *(Russian)* 2−9702
project scheduling and control in complex-of-operations framework, comparison 2−4635
pseudo noise acquisition algorithms, variable and fixed dwell-time, comparison 2−2362
quadratic optimal control problems with amplitude constrained control, convergence of approximations 2−374
queue with bulk service rule, waiting time distribution 2−8439
R_n optimisation problems and $R_m \times R_n$ transformations *(German)* 2−415
radiation exposure in nuclear power plants, reduction by preventive maintenance 2−17839
radioisotopic instrument accuracy, optimisation of detector load *(Russian)* 2−3420
rapid transit systems, optimisation of chopper equipment for minimising energy consumption 2−13022
rational solution axioms and efficient sets 2−13418
rationalisation of electro-installation procedures in industrial plants *(Czech)* 2−4606
RCA porcelain coated steel substrates for thick film hybrid ccts., 2−5488
regional energy use in the USSR 2−22783
regular structures, uniform, technical diagnostics problems optimisation *(Russian)* 2−10594
relational DBMS, RDB/V1, optimisation strategy for query evaluation 2−432
reliability of single unit system with regular and emergency orders and general life times, optimum ordering policy 2−8319
resonant magnetic probes, narrowband, inductance optimisation of induction transducers with ferromag. cores *(Russian)* 2−22254
routing optimisation problems in intricate shape regions 2−8646
satellite microwave solar power system, antenna optimisation and cost consideration 2−18528
satellite TDMA time slot assignment algorithm for satellite switching systems 2−26467
satisficing process from the perspective of extended topology 2−8448
Schottky barrier diodes, barrier height optimisation *(Russian)* 2−14833

optimisation continued
scientific investigations of large power complex control 2−12162
search for evading target, two-cell model 2−19113
seismic measurement systems, optimisation from error for inverse modelling schemes 2−17543
Shanno-Toint procedure for updating sparse symmetric matrices 2−24193
single server queueing system with variable service rate dependent on waiting time 2−4733
single server queues, optimal interarrival time, D/PH/1 queue 2−190
solar cells for space applications 2−17528
space station acquisition and station keeping, with low-thrust systems 2−22599
spacecract failure analysis, thermal-vacuum test optimisation 2−22618
spanning trees number optimisation 2−330
sparse variable metric optimization method applied to the solution of power system problems 2−22883
spinning reserve constrained static and dynamic economic dispatch 2−27389
stability regions in optimization of the quality of electric energy *(Russian)* 2−12135
state constraints problems, sufficient for optimality 2−8638
static convertor driven by microprocessor, optimisation of photovoltaic solar pump 2−23378
static power convertors, synthesis of optimum gain functions 2−18362
statistic optimisation of production yield for engineering systems *(Czech)* 2−23974
statistical estimate of the structure of multi-extremal problems 2−4911
stepped optimisation systems with variable step length and duration, response speed anal. 2−24191
stochastic iterative algorithms, nonasymptotic estimates of convergence rate 2−4884
stochastic linear optimisation, distribution problem *(German)* 2−8655
stochastic method for global optimization 2−24202
stochastic optimal research problems, reliable solutions *(French)* 2−283
stochastic processes, optimal predictable transforms 2−19140
stochastic scheduling, perturbation anal. of system of quasi variational inequalities 2−384
stochastic search methods for most preferable element and their interactive interpretation 2−13466
stochastics, penalty-type convergence 2−13622
stopping rule construction for optimisation algorithms 2−8654
structured Markovian decision models, optimal policies 2−24069
subgradient optimisation, choice of step size 2−8643
superconducting solenoids, computation of minimum vol. sixth order 2−5944
systemwise optimization 2−368
sytematic approach to selection of power engineering equipment parameters 2−12164
telecommunication network model 2−5059
telephone exchange reliability optimisation, using computer program 2−26325
Teletraffic Optimizer Program, voice optimization technique 2−2407
textile plant, computer optimisation of refrigeration plant 2−13103
thermal energy utilisation using waste-heat boilers *(Russian)* 2−17974
thermal networks, optimal parameter estimation *(German)* 2−11651
thermocouple energy charects. microrefrigerators appl. 2−12937
thermowell design anal. 2−3814
thin inorganic film formation 2−19992
three-level balanced code for optical communications systems 2−21852
tidal power plant, France, new operational model 2−27810
tidal power schemes 2−23189
transfer coefficients, analogue computer optimisation *(Russian)* 2−13694
transformer rating optimisation for growing load diagram 2−18296
transmission and subtransmission transformer spares optimisation based on past failure rates 2−18304
TRANSOPTR, second order beam transport design code with optimisation and constraints 2−3318
two-dimensional digital filters using logarithmic number systems 2−9155
two-person game, fictitious play and determinants method combination 2−216
two-point optimal narrow limit plans with applications to MIL STD 105D 2−8277
Tyhonov posedness 2−19228
undiscounted Markovian decision problems, selection algorithm for ε optimal policies 2−13430
unifying framework of combinatorial optimisation algorithms, tree programming and its validity 2−395
visibility-based design procedures for general office lighting, w.r.t. cost effectiveness 2−13068
VLSI algorithms, design methodology, synchronous systems optimisation 2−9727
voltampere reactive compensation using chance-constrained programming 2−22846
waste water treatment of sulphite spent liquor, modelling and production control of utilisation system 2−8130
wind tunnel operating envelope, by automatic balance protection 2−22623
wire-routeing problem for VLSI, optimal soln. 2−9697
Cu vapour laser, multiparameter optimisation 2−20811
Si, polycrystalline, resistors fabrication, O_2 implantation for temp. coeff. optimisation 2−25335

optimum control *see optimal control*

opto-isolators
60-Hz synchroniser for logic circuits 2−769
A/D conversion techniques for DC drives, interfaced with microprocessor systems for speed control *(Italian)* 2−12970
characteristics and useful life *(German)* 2−20756
dual-phototransistor MCT66, RS-232 interface isolation, high data rates 2−25619
fibre optic interchangeable emitter and detector use 2−15418
humidity effects on optocouplers 2−17185
LED output regulation using compensation cct. based on opto-coupler 2−10176
optoelectronic isolating links applications in power electronic systems 2−28066
optoelectronic materials and components, development *(Czech)* 2−10171
optron constructed from LED and composite phototransistor, frequency and transfer charects. 2−15414
optron pair at cryogenic temperatures 2−25639
phase angle control for mains-powered inductive loads, opto-coupled cct. design 2−7958

opto-isolators continued
PWM based isolating circuit *(Italian)* 2−5310
reflection detector using LED light source and planar phototransistor detector *(Italian)* 2−11486
solid-state relays, developments due to autocouplers and power semiconductors 2−14344
telephone line current detector, influence on unbalance *(Croatian)* 2−20753
thyristor controlled AC loads, interfacing digital circuits 2−9131

optoacoustic effect *see photoacoustic effect*

optoacoustic spectroscopy *see photoacoustic spectroscopy*

optoelectronic devices
see also opto-isolators; photoelectric devices
angular and linear displacement meas. convertors 2−10107
avalanche optoelectronic downconverter 2−25624
book 2−4574
camera profile projector focal plane determination, using optoelectronic method *(German)* 2−22388
displays, 1980 state and developments 2−17050
electric machines speed control appl. 2−4038
glass screen-printed optical components 2−1738
groove width measurement system *(German)* 2−26958
hatched image coding using multichannel optical-electronic unit *(Russian)* 2−2365
hybrid optoelectronic system for wideband complex-valued Fourier transform meas. 2−16890
III-V semiconductor crystal growth in laboratory 2−24306
incandescent lamps, miniature, as emitters in optoelectronic devices, dynamic model *(Russian)* 2−18744
laser scanning recorder, high-speed, hybrid 2−2962
liquid crystal bistable device, processing for real-time optical information 2−25557
matrix switch using InGaAs/InP heterojunction switching photodiodes 2−1801
matrix-structured, using transparencies with intermediate cylindrical optical elements *(Russian)* 2−10105
measurement and control appl. *(German)* 2−6991
MESFETS, optoelectronic control using laser beams 2−5361
microelectronic ccts. and electromechanical components testing and prod., sensor developments *(German)* 2−26830
microprocessor and optoelectronics based packet switch for satellite communications 2−2759
microwave switching devices, optically coupled 2−5352
nitometer with optronic head *(Russian)* 2−26976
noncontacting potentiometer, frequency range extension *(Russian)* 2−1775
optrons and optoelectronic ICs for communications apparatus 2−10108
protection of power supply sources, calculation of cct. elements 2−722
PZLT ceramics based, edge effect calc. *(Russian)* 2−10070
reflexion optical gates, design and application considerations *(Hungarian)* 2−10106
reliability and MTBF compound linear models *(Czech)* 2−15369
review 2−25563
solid-state devices, conf., Toulouse, France (Sept. 1981) 2−23892
switching matrix for satellite-switched TDMA 2−6805
technology and components applications and principles *(German)* 2−15368
temperature cycle failure mechanisms in encapsulated devices 2−15370
vacuum deposition shutter position indicator system 2−11527
GaAs-GaAlAs heterostructure, Gunn oscillation optically triggered by 1.06 micron radiation 2−9422
$Hg_xCd_{1-x}Cr_2Se_4$, solid soln. thin films, isothermal epitaxial growth on $CdCr_2Se_4$ single cryst. substrate *(Japanese)* 2−13827

optrons *see opto-isolators*

OR *see operations research*

OR gates *see logic gates*

organic insulating materials
see also insulating oils; paper; plastics; rubber; silicones; varnish
bismaleimide-triazine resin, elec. insulation material, use as solid, varnish or powder 2−15073
bisphenol A epoxy resin props. for radiation-resistant magnet coil insulation 2−2104
cast epoxy resins, electrical failure props. 2−20439
castor oil impregnated all-paper capacitors, dielec. behaviour 2−5382
cellulose insulating materials, degree of polymerisation meas. 2−15080
classification and properties 2−25383
coated fibre glass sleevings, primer 2−15074
cis-decaline, decomp. by partial discharges 2−5853
cis-decaline, decomp. by partial discharges 2−15067
development for electronic and electrical appls. *(Japanese)* 2−9825
elastomers, thermally conductive, replacing greased mica, electrical and thermal props. 2−13869
electrical insulation degradation investigation methods 2−15039
enamel viscosities rel. to cresylic acid content, model FORMVAR and polyurethane types 2−15070
enamelled conductors for electric machines, properties evaluation methods *(Russian)* 2−24750
enamelled wires coated with water soluble polyimide varnish, properties *(Japanese)* 2−9258
epoxy casting resin for instrument transformers, selection of materials 2−15084
epoxy impregnant for fast rise-time HV pulse transformer using solid dielec. materials, design and development 2−5389
epoxy impregnants for high-voltage appls. in machine insulation 2−23250
epoxy resin, surface deterioration and tracking breakdown due to glow discharge in low press. atm. *(Japanese)* 2−5852
epoxy resin cast insulators for switchboard size reduction 2−20463
epoxy resins, water vapour absorption and permeability charects. 2−15072
ethylene propylene insulated underground cables, breakdown voltage prediction from dielectric meas. 2−20441
ethylene propylene insulated underground cables, breakdown voltage prediction from dielectric meas. 2−20442
ethylene-propylene ethylidene norborene terpolymer vulcanised b y S, radiation resistance 2−20434
filled epoxy resin, dielectric anal. appl. 2−19460
hermetic motor magnetic wires, charects. 2−27861
hexadecane, decomp. by partial discharges 2−5853
hexadecane, decomp. by partial discharges 2−15067
hexafluoropropylene, dielec. strength under breakdown and prebreakdown conditions 2−15049
hydrocarbons, strong current injection under high electric fields 2−9771

organic insulating materials continued
impregnating agents for motor/transformer insulation, bond strength, test methods 2−23248
low-viscosity solventless resins, vacuum press. impregnating appls., motor/generator insulation 2−23247
alpha-methylnaphthaline, decomp. by partial discharges 2−5853
alpha-methylnaphthaline, decomp. by partial discharges 2−15067
Mylar electrets, high-resolution probing of space-charge densities using electron beam 2−5848
Mylar film, SF_6 gas impregnated for transformer insulation, partial discharge inception and extinction studies 2−7908
NONCHLOTHENE insulated wire and cables chemical, electrical and thermal characts. *(Japanese)* 2−17739
PE wire and cable insulation, crosslinking using fast electrons in bilateral and multilateral irradiation, electrons optimal energy calc. *(Czech)* 2−5391
phenolic-based insulating materials, elec. cond. and thermal decomp. 2−5862
PIQ, polyimide type polymer, characterisation and appl. to semiconductor devices 2−9546
PMMA, electrical aging, light scatt. study 2−20444
PMMA, surface deterioration and tracking breakdown due to glow discharge in low press. atm. *(Japanese)* 2−5852
PMMA immersed in oil, anomalous breakdown under DC and impulse stresses 2−9801
PMMA surface discharges at low press. with spherical electrodes, charcts. 2−15046
PMMA tree patterns under alternating voltages, obs. 2−25387
polyamideimide resin for machine winding insulation, 200°C enamelled wire 2−18152
polybutadiene, high-temp. 100% reactive liquid thermoset insulation, props. and appls. 2−15069
polychlorinated biphenyl dielec. fluid for transformer insulation, present and future regulations governing use/removal 2−18313
polyester amide-imide wire enamel cure profile determ. by dielec. anal., automatic dielectrometer 2−16837
polyester fibres, modification of struct. by stretching and thermal treatment *(German)* 2−13867
polyethylene, influence of elec. field and press. on cond. 2−5864
polyethylene, low density and cross-linked, light detection during the initiation of electrical treeing at room temperature 2−9769
polyethylene, multistress aged, impulsed dielectric breakdown 2−9804
polyethylene, supercritical He impregnated, partial discharges 2−27524
polyethylene, surface deterioration and tracking breakdown due to glow discharge in low press. atm. *(Japanese)* 2−5852
polyethylene, tree growth, acoustic emission meas. 2−15044
polyethylene cable insulation, protection against treeing by addition of retarding agent, expt. tests 2−9791
polyethylene terephthalate electrolum. with impulse voltage 2−5858
polyethylene terephthalate films, 'slow' electronic carrier motion 2−5859
polyethylene terephthalate films, elec. breakdown, influence of water 2−20443
polyethylene terephthalate foils, isothermal and TSC 2−5865
polyethylene terephthalate insulating material, high-pressure corona discharge interaction, damage 2−9828
polyethylene terephthalate ionic cond., steady-state sublinear DC cond. due to neutralisation of mobile ions 2−5863
polyimide film, laser processing 2−14751
polymer, comparative tracking index deviation 2−19478
polymer internal discharge endurance life tests by glass-covered electrode system, freq. accel. characts. 2−25386
polymeric insulation, interrelationship between treeing, electrical breakdown strength and polymer morphology 2−9792
polymers, ASTM tracking test methods 2−15047
polymers, light detection as prebreakdown phenomena 2−9797
polymethyl methacrylate resin, current pulses caused by electrical tree development 2−20440
polypropylene insulating materials, high-pressure corona discharge interaction, damage 2−9828
polypropylene isotactic films, thermal ageing under gaseous atmosphere 2−9760
polysil polymer concrete for DC suspension insulators 2−5851
polystyrene, surface deterioration and tracking breakdown due to glow discharge in low press. atm. *(Japanese)* 2−5852
polythene insulation degradation under electric load *(Hungarian)* 2−20435
power cable with XLPE insulation, improvement by incorporation of tricomponent additive *(Japanese)* 2−12247
poyvinyl acetate films, corona charged, surface charge decay characts. 2−25390
PTFE, irradiation effects on charge storage and cond. 2−5860
PTFE, TSC modelling 2−5866
PTFE film, time dependence of the radiation-induced conductivity 2−5861
PTFE in liquid N_2, insulating props. *(Russian)* 2−20460
PTFE in liquid N_2 in strong electric field, durability study 2−25384
PTFE insulating material, mech. and elec. lifetime-under-load at cryogenic temps. 2−20464
PVC, surface deterioration and tracking breakdown due to glow discharge in low press. atm. *(Japanese)* 2−5852
quartz filled bisphenol epoxy HV DC insulation, effects of quartz fillers 2−5867
SPAULDITE X-982 thermosetting laminate for transformer insulation, epoxy resin reinforced with wood kraft paper 2−18309
thermoplastics widen equipment design options in electrical industry 2−13862
tracking breakdown, influence of electrolyte 2−20433
varnishes for elec. insulation appls., water soluble, handling, performance, field experience 2−20466
XLPE and EPR for electrical insulation on underground power cables, comparison 2−20461
Zytel, accelerated life testing, IEEE 323 qualification experience appl. to Zytel insulating material 2−19475

organic semiconductor materials *see organic semiconductors*

organic semiconductors
β-copper phthalocyanine, photocurrents thermal quenching and thermally-assisted optical quenching 2−15378
copper phthalocyanine binder photoreceptor, trapping levels, TSC study 2−10113
copper phthalocyanine films, photocurrents, O_2 and H_2 effects on thermal quenching and thermally assisted optical quenching 2−15379

organic semiconductors continued
copper phthalocyanine-metal junction Schottky barrier, photovoltaic effect 2−14695
development for electronic and electrical appls. *(Japanese)* 2−9825
9,10-dibromoanthracene sensitised p-terphenyl, photoinjection of holes 2−15384
9,10-dichloroanthracene sensitised p-terphenyl, photoinjection of holes 2−15384
electronic technology materials, organic chemistry developments, adhesives, liquid crystals, organic semiconductors *(Spanish)* 2−13803
ethylene-vinylacetate copolymer, C loaded, resist. and positive temp. coeff. of resist., correl. with C black parameters 2−25391
merocyanine dye, solid-state Schottky barrier and liquid junction cells, photovoltaic props. 2−10140
one dimensional, conf., Boulder, Colorado, USA (Aug. 1981) 2−23867
organotin films, amorphous, semiconductive and conductive, form. and props. 2−19448
photoconducting materials, optical and elec. props., carrier photogeneration mechanism *(Japanese)* 2−10109
photoeffect, spectral sensitisation, by dyes *(Russian)* 2−20717
phthalocyanine, x-phase metal free, photocond. particles dispersed in polymer matrix, carrier generation efficiency 2−10114
phthalocyanine photovoltaic cells, metal-free, x-phase, transient photoresponse meas. 2−10149
phthalocyanine Schottky barrier solar cell, In/x-metal free 2−7993
phthalocyanine-In, metal free x-phase, solar cell, low freq. photocapacitance 2−18474
poly-N-epoxycarbazol film for holographic recording, two-layer *(Russian)* 2−10370
poly-N-vinylcarbazole, extrinsic carrier photogeneration, charge transfer fluoresc. quenching by elect. field 2−20730
polyacetylene, diffusion of SbF_5 and I_2 2−25146
polyacetylene, doped, elec. cond. freq. depend., soliton model 2−25041
polyacetylene, elec. transport, mag. and struct. props., review 2−25039
polyacetylene, electron hopping cond., soliton model 2−25040
polyacetylene, p-type, dopant profiles and optical and electrical props. 2−20119
polyacetylene epitaxial layers, optical and elec. anisotropy 2−25042
p-terphenyl, sensitised with 9,10-dichloroanthracene and 9,10-dibromoanthracene, photoinjection of holes 2−15384

organs (artificial body) *see artificial organs*

orthicons *see television camera tubes*

orthosis *see orthotics*

orthotics
see also prosthetics
control signals, single neuron recording as possible source 2−17416
functional electrical stimulation for control of locomotor systems 2−17420
muscle, stimulator, implantable, percutaneous switching via an optical link 2−3512
nerve stimulators and motion anal. *(Swedish)* 2−27203
review of priorities for research in external aids 2−17421

oscillations
see also circuit oscillations; electromagnetic oscillations; harmonic oscillators; harmonics; piezoelectric oscillations; plasma oscillations; resonance; stability; waves
current oscillations, conditions of occurrence and freq. at virtual cathode 2−14567
fatigue stability of high voltage aerial power lines−research and development within Cigre *(German)* 2−27529
frequency synthesizer with high output level accuracy, communication line meas. *(Japanese)* 2−11497
oscillating overhead line alternating bending extension calc. *(German)* 2−27531
overhead electric conductor, service life determ. under wind vibrations, laboratory tests *(German)* 2−27528
overhead HV conductor fatigue due to wind induced vibrations and stresses, current strategies for reduction *(German)* 2−27530
overhead line conductor design for optimised mechanical characts. using finite elements *(German)* 2−27532
overhead line oscillations, under wind and ice conditions, control using torsionless galloping damper 2−27525
power systems, optimal decentralized damping of low-frequency oscillations under control energy constraints 2−3696
steam turbo sets shaft line subharmonic flexural oscillations calc. and influencing parameters 2−27694
synchronous motors, miniature, current-fed, double-stator, speed oscillations anal. using steady-state methods 2−18212
thyristor controlled synchronous motor drive in rolling mill, rotor oscillations anal. *(Russian)* 2−7846
turning-head antennas, oscillations about azimuth axis *(German)* 2−15781

oscillator strengths
lithium formate, parametric scatt. spectrum second-order vibrs. 2−25847
$ThBr_4$:Np^{4+}(U^{4+}), IR to visible up conversion effect, absolute oscillator strengths *(French)* 2−20946
ZnS:Er thin film, DC electrolum., spectral intensity 2−25600

oscillators
see also audio-frequency oscillators; Gunn oscillators; harmonic oscillators (circuits); microwave oscillators; parametric oscillators; radiofrequency oscillators; relaxation oscillators; tunnel diode oscillators; variable-frequency oscillators
active R multifunction cct. synthesis 2−24591
active-R oscillator, wide range, using operational amplifiers 2−13998
analogue implementation of Darwood accurate sine-wave oscillator algorithm 2−9027
change-flow transistor oscillator moisture sensor, IC implementation 2−11656
CMOS oscillators design methods 2−9168
delayed oscillators, multimode asynchronous oscillations 2−19588
delayed self-excited oscillators and electron wave systems, noise type oscillations 2−762
digital design techniques, touch switches, timers, oscillators 2−5268
direct coupled LC oscillator, digital display of analogue quantities appl. 2−3230
drive circuit for piezoelectric sounders 2−9837
dynatron oscillator, negative resistance oscillatory cct. anal. 2−756
electro-optic oscillator, high freq., using integrated interferometer 2−25546
experiments, book 2−8167
fractional order sinusoidal oscillators, optimisation and appl. in linear FM 2−5136

oscillators continued
grounded-capacitor ideal freq. dependent negative resistance and oscillator using current conveyors 2−24429
JFET oscillator, simple cct. for stable HF signal source, cct. 2−5141
Josephson junction oscillators, perturbed sine-Gordon eqn., mech. analogue studies 2−15267
laboratory manual, book 2−25257
LC oscillator ct. using op. amp. pole 2−9021
LC self-excited oscillators characts. upgrading, torquemeter appl. 2−14003
light current electrical applications, TEC syllabus textbook 2−23918
linear oscillator frequency sensitivities, efficient computational algorithm 2−5071
operational amplifiers handbook 2−13144
precise oscillator models 2−760
pseudo-random, used to display ten oscilloscope waveforms 2−3214
ring oscillator using planar enhancement-mode two-dimensional electron gas FET logic 2−24478
ring oscillators, 39-stage, using refractory $MoSi_2$ and $MoSi_2$/polysilicon bulk CMOS circuits 2−25358
SAW devices with signal processing appls. 2−1534
SAW oscillators, convolvers, spectrum analysers, characts., technology 2−5879
SAW oscillators for Transit satellite marine navigation system receivers 2−2844
Scott-Murata oscillator, asymptotic estimate of amplitude 2−24433
self-excited for contactless study of sound attenuation and dispersion in metals 2−26994
self-excited ring oscillator with N-tuned amplifiers, fluctuations anal. 2−14004
self-oscillating meters with Λ-diodes, design 2−26827
sensitive marginal, for the determination of high magnetic inductions 2−5142
stabilised generator model for three phase sinewaves 2−761
synchronization characteristics of an oscillator with hard nonlinearity 2−19589
telegraphic code practice, HD-1416, conversion to electronic keyer, amateur appl. 2−6552
tunnel-transistor oscillator with compensation for destabilising factors, transient freq. fluctuation *(Russian)* 2−24438
two-element tuning circuit for NMR magnetometer, prop. anal. 2−9018
VMOS technology, appls. 2−25232
voice frequency, PW Stour transceiver appl. 2−21739
wideband oscillator cct., op. amp., capacitance multipliers, 15 Hz to 100 kHz range example 2−5137
Wien-bridge oscillator with high-amplitude stability 2−14001
Cu halide laser pumped by vac.-tube and thyratron oscillators 2−1898

oscillograms *see oscillographs*

oscillograph recorders *see oscillographs*

oscillographs
see also cathode-ray oscilloscopes
control of shunt compensation with reference to new design concepts 2−12289
curve tracing and drive systems *(German)* 2−3196
digital impulse recorder for HV laboratories 2−22290
portable, Hitachi V202 and V352 series *(German)* 2−7126
pyroelectric picosecond techniques for IR pulse meas. 2−1551
stroboscopic, drift and noise suppressing attachment 2−3194
synchronous high-speed oscillography of voltage and current for studying the release of energy in a vacuum spark discharges 2−11519
Synthe portable French speech synthesis apparatus using method of function of oscillogram segments, phoneme table-lookup *(French)* 2−2294

oscilloscopes, cathode-ray *see cathode-ray oscilloscopes*

osmosis
PCB manufacture, etching/electrometallization processes, water and waste water treatment, ion exchangers and reverse osmosis 2−14485

osmotic pressure *see osmosis*

OTEC *see ocean thermal energy conversion*

otology *see ear*

ovens
see also domestic appliances; electric heating
domestic microwave oven, advantages and limitations *(French, German)* 2−28262
life-cycle cost anal. methodology 2−18920
microwave ovens, automatic matching used to improve efficiency *(German)* 2−18762
microwave ovens for domestic use *(French, German)* 2−28261
microwave ovens in households *(French, German)* 2−23786
pulse width modulators, control appls. 2−13943
thermocouple reference junction temp. uniformity maintenance in multi-junction oven 2−4468
tubular cracking oven based on test plant EVA II for PNP-reactor, conceptual presentation *(German)* 2−27638

overcurrent
effect of various factors on characteristics of fuses *(Russian)* 2−24776
electric machines electronic protection schemes *(German)* 2−18164
electrodynamic forces in frontal parts of stator windings under fault conditions *(Russian)* 2−23296
mining industry induction motors, overloads for protection tripping, calc. method *(Russian)* 2−27919
power factor correction capacitors when natural frequency equals mains supply harmonic, calc. method *(Italian)* 2−7481
power thyristor computer-aided surge capability prediction and anal. under 50 Hz half-sine wave overloading 2−20245
realisation of critically permissible overload capability for DC motors *(Russian)* 2−23308
semiconductor traction substations, mining distribution network overloads, operational effects *(Russian)* 2−27476
study of nonstationary thermal conditions of contacts in automatic breakers under overload currents *(Russian)* 2−18381

overcurrent protection
6 kV mains supply, compensation of capacitive short cct. currents, reactor design *(Russian)* 2−3785
1000 V electrical equipment with grounded neutral, protection devices *(Russian)* 2−3787
algorithm for load protection of superconducting cable 2−12261
analysis of electrodynamic stability of self-supporting conductors *(Russian)* 2−17767

overcurrent protection continued
changes concerning co-ordination of cartridge fuse and cable ratings, UK wiring regulations 2−53
circuit breakers, miniature, for domestic installations line protection *(Finnish)* 2−28037
circuit breakers, types, characts., construction and application 2−28049
consumer protection against inrush currents *(German)* 2−4617
control voltage and transformer for motor control centres 2−28072
current operated earth leakage cct. breakers for protection against AC and DC fault currents 2−7956
customer service entrance conductors, lack of protection and fire hazard and welding action 2−12298
development trends in fuses and vacuum interrupters for distribution system protection 2−27581
distribution transformer protection by internal fuses 2−27970
distribution transformer secondary ccts. protection, new load-break designs 2−7887
electrical protection of face mining equipment, UK practice 2−17766
electronic overload/short cct. protection for battery powered equip. 2−19547
frequency counters, overload protection by suitable design 2−16997
high-power thyristor for power electronics, its design and characteristics *(German)* 2−5739
IEE wiring regulations, back-up protection in final circuits 2−22949
induction motor protection against excessive currents and voltages *(Russian)* 2−4131
large capacity transformer, eddy currents in structure surrounding large current bushings, expt. and calc. 2−12694
linearization method for determining the effect of loads, shunts and system uncertainties on line protection with distance relays 2−12286
load-break switches and current-limiting fuses, IEC Publication 420, overview 2−28044
low and medium voltage overcurrent protection devices, characts. 2−12304
LV and MV devices for protecting electrical conductors and equipment, characts. 2−17771
LV and MV devices for protecting electrical conductors and equipment, fuse-to-fuse coordination 2−22958
mines,radial power system CAD, determ. of tap and time dial settings of overcurrent relays 2−17769
MOSFET power transistors for power systems, protection *(French)* 2−20272
moulded case circuit breakers, electric motor control appls. 2−7957
moulded case circuit breakers for overload and short cct. protection, new regulations, UK 2−7951
MV switching equipment using vacuum switches *(German)* 2−28043
new wiring regulations, effects on designer and specifier, UK 2−4608
PolySwitch PTC devices, for overcurrent protection 2−24734
positive temperature coefficient thermistors, using conductive polyme rs overcurrent protection appl. 2−24738
power capacitors with external and internal fusing, comparison 2−965
power MOS transistors application and protection in inductive load switching 2−25252
power system fault current limiting device, ultrafast fault sensor appl. 2−12299
power system overcurrent protective device coordination by computer 2−17777
sectional electric mains insulation parameters, effect of leakage relay *(Russian)* 2−17761
selective protection system for complex electrical networks using integrated circuits *(Italian)* 2−12301
six-phase power transmission systems fault anal. and fault currents suppression 2−7522
spurious protection operation in open-cast mining and quarrying power networks caused by circuit oscillations methods of avoidance *(Russian)* 2−27485
Stotz current-operated protective equipment for alternating and pulsating direct leakage currents *(German)* 2−28036
sub-circuit protection against overcurrent, current limiting miniature cct. breaker use 2−22960
switches, LV and MV, selection and application for overcurrent protection of electrical conductors and eq- uipment 2−7946
technology of fuse protection in HV capacitor application 2−7580
testing protective relay circuits 2−12303
traction substations, unattended, automatic control 2−8043
underground coal-mine power system, computer-based protection relaying scheme 2−17776

overhead line conductors
6-10 kV rural overhead line conductor galloping prevention *(Russian)* 2−7559
20 kV network breakdowns in Hungary caused by longitudinal conductor vibrations *(Hungarian)* 2−22912
400 kV, loss decrease and economical loading *(Czech)* 2−27527
750 kV power lines design choice and improvement 2−12202
distribution circuit covered-conductor burndown prevention 2−17711
EHV bundle conductors, electrostatic field calc. *(French)* 2−3761
EHV transmission conductors, sizing and costing trends 2−3769
HV power lines, bundle conductor design, corona loss annual coverage value determ. method *(German)* 2−3763
HV transmission, conductor sizes and system voltages selection and future outlook *(French)* 2−12228
installation using prefabricated conductors, field observations and meas. *(Japanese)* 2−12264
Kobe New Transit system in Japan, trolley wire installation *(Japanese)* 2−12982
power overhead lines conductor design *(German)* 2−3764
wire lifting with material handling bucket trucks 2−27538

overhead line mechanical characteristics
see also oscillations; poles and towers
20 kV network breakdowns in Hungary caused by longitudinal conductor vibrations *(Hungarian)* 2−22912
alternating bending extension calc. *(German)* 2−27531
conductor aeolian fatigue damage mitigation by amplitude reduction 2−22937
conductor design for optimised mechanical characts. using finite elements *(German)* 2−27532
conductor fatigue due to wind induced vibrations and stresses, current strategies for reduction *(German)* 2−27530
EHV and UHV multiconductor bundles, aeolian vibration, galloping and wake-induced oscillation 2−17753

overhead line mechanical characteristics continued
electric conductor, service life determ. under wind vibrations, laboratory tests *(German)* 2−27528
fatigue stability of high voltage aerial power lines−research and development within Cigre *(German)* 2−27529
HVDC lines, harmonic suppression and improved mechanical props. by new conductor design *(German)* 2−3739
oscillations, under wind and ice conditions, control using torsionless galloping damper 2−27525
pantograph wave interaction, with connected mechanical supports in railway system trolley waves *(German)* 2−18688
power transmission lines, self-excited galloping oscillation control using mechanical dampers, optimisation 2−3771
railway pantograph overhead contact wires, high frequency vibration study 2−23693
steel lattice towers for overhead lines, breakage tests *(German)* 2−27549
UHV bundle conductor oscillations tests at Magdalen Islands 2−22936

overhead line sagging *see overhead line mechanical characteristics*

overhead lines
see also communication overhead lines; power overhead lines
boltless spacers for overhead transmission lines *(Japanese)* 2−17747
corona and skin effect mathematical model *(Polish)* 2−17751
multiconductors, transients calc. *(Polish)* 2−17752

overvoltage
400 kV transmission lines, overvoltage determ. at gap connections *(Rumanian)* 2−27534
analysis methods 2−22892
circuit-breaker resistors, calc. of switching overvoltages for dimensioning *(German)* 2−28067
CMOS IC, parasitic SCRs operation modes anal. 2−15002
controlled self-compensated transmission line, computerised overvoltage analysis for single-phase switching condition 2−12222
DC electromagnets, overvoltages and transients due to switching highly inductive ccts. *(French)* 2−25913
effect of machine saliency on overvoltages caused by the opening of a conductor 2−3728
EM voltage transformer failure due to sustained overvoltage on switching, field tests and calc. 2−12693
generator transformer operation, circuit breaker effects *(Polish)* 2−12701
influence of parameters of RC networks on commutation processes in thyristor equipment 2−18341
power factor correction capacitors when natural frequency equals mains supply harmonic, calc. method *(Italian)* 2−7481
power thyristor computer-aided surge capability prediction and anal. under 50 Hz half-sine wave overloading 2−20245
power transmission line, digital filter modelling 2−22874
ring sparking on the commutators of traction motors *(Russian)* 2−27936
switching overvoltages after current chopping in a three-phase inductive circuit with isolated neutral 2−17672
symmetrical voltage source with overload protection *(Polish)* 2−13963
thyristor-excitation system overvoltage 2−27896
transient voltage overshoots, calc. method by computer *(Croatian)* 2−12126
voltage disturbances in electrical networks *(Hungarian)* 2−22870
wrapped insulation impregnated with liquid N_2, influence of overvoltage on partial discharges 2−15040
SF_6-insulated switchgear installations, isolator switching transient meas., max. overvoltage factor *(German)* 2−7950

overvoltage protection
circuit breakers, types, characts., construction and application 2−28049
controlling the overvoltage of smoothing filters of thyristor convertors in mine electric locomotives *(Russian)* 2−28021
DC electromagnets with simultaneous demagnetisation, overvoltage limiting cct. *(Czech)* 2−13936
distribution surge arrestors, operating duty due to indirect lightning strikes 2−12314
electrical circuits protection 2−17757
emergency brake circuit including fuse and zener diode 2−689
heavy current capacitors in power electronics, requirements and use *(German)* 2−18325
high voltage spike protection using optocouplers 2−3797
HV power lines, corona loss reduction *(Rumanian)* 2−27533
HV systems, protection and co-ordination of insulation against overvoltages of internal origin *(Spanish)* 2−27579
HVAC transmission planning and related problems 2−12229
induction motor protection against excessive currents and voltages *(Russian)* 2−4131
MC3424, dual voltage comparator chip for overvoltage protection and line loss detection 2−19536
monitoring over- and under voltages *(German)* 2−22957
MV/LV transformer substation and LV distribution networks lightning protection 2−27578
phase-to-phase surge divertors, probabilistic insulation co-ordination *(Czech)* 2−12191
power MOS transistors application and protection in inductive load switching 2−25252
power transmission series capacitor protection by metal oxide resistor 2−17775
semiconductor device protection against electrostatic discharges 2−14815
suppression of internal overvoltage surges in industrial high voltage systems 2−17758
surge arrester, mathematical model of non-linear resistance *(Czech)* 2−7579
telephone set, overvoltage origin and protection *(Polish)* 2−2572
thyristor protection 2−12281
voltage regulator, hybrid, series module for 5 V, 50 A DC *(German)* 2−682
Si rectifier protection against overvoltages *(Russian)* 2−28012
ZnO varistors as transient-overvoltage suppressors for telecommunication systems *(Japanese)* 2−14308

oxide coated cathodes
see also thermionic electron emission
activation in ultrahigh vacuum AES-residual gas analysis 2−1095
emission carbonate crystallite and oxide cathode performance in electron tubes 2−1099
poisoning and reactivation processes in polycrystalline mixed oxides 2−1093
thermionic, evaporation phenomena, obs. using AES-based vapour collect method 2−1091
BaO on Ir, orientation depend. of work function 2−1088

oxide coated cathodes continued
BaO single cryst. films, poisoning and reactivation processes in oxide-type cathodes 2−1094
BaO:CaO:Al_2O_3 impregnated cathodes, Auger spectroscopy and emission microscopy 2−5503
W dispenser cathode, impregnated, electron spectroscopic investig. 2−1089

p-n heterojunctions
admittance of junctions with deep impurity levels, space charge anal. 2−9479
flat-band semicond. heterostructures, electronic props. 2−1219
$Ga_xIn_{1-x}P$-GaAs heterostructures, luminesc., effect of mismatch between lattice consts. and thermal expansion coeffs. 2−6100
hot electron and phonon effects in layered semicond. struct. and heterostruct. 2−14675
MBE, review of European developments, 1979-80 2−8814
modulation spectroscopy uses in characteris., review 2−9397
nonideal, photoelectric props. 2−20128
$pb_{1-x}Sn_xSe$ heterostructure for injection lasers 2−25799
polyacetylene-Si for polyacetylene solar cell 2−18496
short p-n junction diodes, response with low injection levels *(Spanish)* 2−14823
two-dimensional electron transport in semicond. heterolayer, screening 2−5611
AGaAs-GaAs heterojunction, selective dry etching 2−14787
(Al,Ga)As-GaAs heterostruct., electron mobility, background doping effect 2−14676
$Al_xGa_{1-x}As$-GaAs heterojunction FET, magnetoconductance, g-factor, gate voltage 2−20270
AlGaAs-GaAs, heterojunction CCD images 2−3089
AlGaAs-GaAs heterojunction gate JFETs by organometallic and MBE, for high speed logic appls. 2−25225
AlGaAs-GaAs solar cells, proton irrad., radiation-induced deep-level defects, annealing, DLTS, SEM 2−18551
p-AlGaAs-n-GaAs heterojunction avalanche photodiodes, high gain, fabrication and props. 2−25625
$Al_xGa_{1-x}As$ p-n junction solar cells, grown-in deep-level defects 2−23616
$Al_xGa_{1-x}As$ Schottky barriers and p-n junctions, current-voltage characts. 2−5723
$Al_xGa_{1-x}As$-GaAs heterostructures, carrier mobility enhancement 2−20123
$Al_xGa_{1-x}As$-GaAs heterojunction FET, magnetoconductance, g-factor 2−20269
$Al_{0.26}Ga_{0.74}Sb$-GaSb photodector, LPE growth and photo response *(Japanese)* 2−586
$Al_xGa_{1-x}Sb$ heterostructure, reproducible epitaxial layer growth from saturated Ga soln. 2−8806
n-CdS/p-Si solar cells, heterojunction, characterisation 2−23459
CdS-CdSe(CdTe) solid-phase substitutional heterostructs., photoresponse 2−5615
CdS-Cu_2S thin film heterojunctions, photovoltaic properties 2−20131
CdTe-ZnSe heterojunction, photo-EMF anomalous mechanism under two-photon excitation 2−14685
(CdZn)S/Cu_2S solar cells, thin-film, polycrystalline 10% conversion efficiency 2−18523
$Cd_{1-x}Zn_xS/Cu_2S$ photovoltaic cells heterojunction energy band lineups anal. 2−18515
Cu chalcogenides, on p-constituent heterojunctions, stable composition *(Russian)* 2−1223
$Cu_{2-x}CdS$ heterojunctions, photoeffect props. and manufacturing methods *(Russian)* 2−1224
p-$CuGa_{1-x}In_xS_2$/n-ZnSe heterojunction LPE growth from In soln. 2−8813
n-$CuInSe_2$-p-GaSe heterojunction, photoelec. and elec. props. 2−9491
$Cu_{1.8}S$-GaAs heterojunction photoconverter 2−12939
$Cu_2S/Zn_xCd_{1-x}S$ heterojunction solar cells formed on sprayed $Zn_xCd_{1-x}S$ films, properties 2−18514
Cu_2S-CdS dry process solar cells, CdS carrier concentration influence on cell props. 2−18512
$Cu_{2-x}S$-CdS thin film solar cells with dual impurity distrib. in base 2−23432
$Cu_{2-x}S$-ZnS heterostruct., electroluminescence 2−10164
Cu_xS/CdS photocells, characteristics 2−25618
GaAlAs-GaAs heteroface solar cell, window layer thickness, reflection loss minimisation 2−7992
GaAlAs-GaAs heterojunction solar cells with different contact materials, thermal stability 2−18539
$Ga_{1-x}Al_xAs$, IR emitting diode, bandwidth and optical output power determined by photoluminescence measurement 2−1818
$Ga_xAl_{1-x}As$, heterostructure MESFET devices, LPE 2−1395
GaAs laser diodes, driver circuits *(German)* 2−10288
GaAs/(Ga,Al)As, transmission photocathode, growth by MO-VPE 2−1812
GaAs/$Ga_{1-x}Al_xAs$ heterojunction diode, hot electron transport, space charge limited cond. 2−24978
GaAs-(Al,Ga)As heterostructure growth, qualitative and quantitative assessments by fast ellipsometers 2−5004
GaAs-(AlGa)As heterostructs., light scatt. spectroscopy of electrons, rel. to transport props. 2−5607
GaAs-(AlGa)As heterojunction interfaces, modulation doped, electron mobility depend. on electron density and Al conc. 2−14672
GaAs-(Ga,Al)As heterostructures for FETs *(French)* 2−20249
GaAs-$Al_xGa_{1-x}As$ heterostructure, modulation doped surface and interface proximity effect on quantum melt electron mobilities 2−5608
GaAs-$Al_xGa_{1-x}As$ heterojunctions, transport props., TEGFET and tunnelling device appls. 2−25068
GaAs-AlGaAs heterojunction interface, backside-gated modulation-doped 2−5600
GaAs-AlGaAs interface, hot electron effects in 2D electron gas 2−25055
GaAs-$Ga_xAl_{1-x}As$ DH and multiple quantum well superlattices, luminesc. props. and struct. 2−25589
GaAs-GaAlAs heterojunction, localisation and interaction effects in electron gas 2−9481
GaAs-GaAlAs heterostructure, Gunn oscillation optically triggered by 1.06 micron radiation 2−9422
GaAs-GaAlAs modulation doped multilayer struct., optimum cond. and effective mobility conditions, LPE gro- wn struct. 2−5622
GaAs-GaSb n-p heterojunction intercell Ohmic contact, laser bonded, for monolithic multicolour solar convertor 2−5601

p-n heterojunctions continued
GaAs-strained GaAsP-GaAs (100) heterostructure, electron transmission probabilities 2−5609
GaAs-ZnSe heterojunction interface, LPE conditions effect 2−25066
$GaAs_{1-x}Sb_x$ p-n heterojunction, impact ionisation coeffs. for electrons and holes 2−25064
$GaAs_{1-x}Sb_x$GaAs heterojunction cascade solar cell, LPE growth and photocurrent spectra 2−23433
$Ga_{0.47}In_{0.53}As$, MESFETs, double heterostructure, molecular beam epitaxy 2−1394
$Ga_{0.47}In_{0.53}As$-$Al_{0.48}In_{0.52}As$ heterojunction, MBE, modulation doped, electron mobility 2−25046
p-GaSe-n-CdTe heterojunction, photo-emf, I-V charact. *(Russian)* 2−1227
p-Ge/CdS junction, admittance with deep impurity levels, space-charge anal. 2−9479
Ge-GaAs interface grown by MBE 2−1217
Ge-Si, spectral distrib. of quantum yield *(Russian)* 2−1777
InGaAs-InP, avalanche photodiode, low leakage, LPE-grown 2−1811
InGaAsP DH, electroluminescence, efficiency and kinetics 2−10174
InGaAsP-InP DH LEDs, epitaxially grown layers, contact resistance 2−1816
InGaAsP-InP laser, Sn doping of active region 2−25140
p-$In_{0.75}Ga_{0.25}As_{0.55}P_{0.45}$:Cd LPE layer, doping charact. and elec. props. 2−20186
$In_{1-x}Ga_xAs_{1-y}P_y$/InP LPE heterostruct., misfit dislocation-free, growth conditions 2−566
$In_{1-x}Ga_xAs_{1-y}P_y$-InP buried-crescent laser diode 1.3 μm fundamental transverse mode and life test 2−1968
In_2O_3-Si heterojunction, use in liq. cryst. light valve 2−10083
InP-GaInPAs based channel heterojunction LEDs for fibre-optics communication lines 2−10175
InP-Ge junction, ohmic contacts 2−5612
InP-InGaAsP heterostructure, electrolum. polarization due to internal strain 2−25605
In_2SnO_3-InP solar cells fabrication and charact. 2−23456
In_2SnO_3-Si solar cells fabrication using ion beam milling/sputter deposition and low pressure oxide growth process 2−23450
$In_{2-x}Sn_xO_{3-y}$/InP solar cells 2−12877
$Pb_{1-x}Sn_xTe$ photovoltaic detectors for 8-14 μm atmospheric window, modified hot-wall evap. technique 2−7097
$Pb_{1-x}Sn_xTe$:Bi-p-$Pb_{1-x}Sn_xTe$-p-PbTe, lasing heterostructures 2−6099
n-$Pb_{1-x}Sn_xTe$(In)-p-PbTe heterojunction, electrophysical props. 2−9486
Si-$As_2Sr_3Cu_x$ p-n heterojunction, current-voltage charact. 2−25053
Si-GaP heterojunction, elec. and photoelec. props. 2−25062
p-Si-n^+-GaP heterojunctions, elec. and photoelec. props. 2−25063
a-SiC:H/a-Si:H heterojunction solar cell with conversion efficiency more than 7.5% 2−18588
SnO_2/CdTe photovoltaic cells, prep. and characterisation 2−12874
ZnO-InP heterojunction solar cells, prep. using reactive evaporation, props. 2−8007
ZnTe layers on Si, growth by solid-state reactions of Zn and Te layers prep. by ion beam evap., junction props. *(Japanese)* 2−8834
ZnTe-CdSe heterojunction, electron-voltaic effect 2−14686

p-n homojunctions
direct gap semiconductors, minority carrier lifetime, electron beam induced current study 2−24971
electrostatic law, carrier conc., electrostatic pot., space charge region 2−25065
GaAs shallow-homojunction concentrator solar cells 2−18572
low resistance solar cells for the first Spanish concentrating photovoltaic array 2−23466
S-type diode, negative photocond. 2−25626
Zener diodes, epitaxial low-voltage preparation and elec. props. 2−9615
$Al_xGa_{1-x}As$:Si graded-band-gap p-n structs., photoluminescence spectra 2−10124
$Al_{0.48}In_{0.52}As$:Sn, MBE grown, p-n diode 2−567
CdS_xTe_{1-x} solar cells, graded band gap, numerical model for photogenerated carriers distribution determ. 2−8003
CdS_xTe_{1-x} thin film solar cells graded band gap, preparation and props. 2−8004
CdTe p-n junctions, electrolytically prepared, emission props. 2−1813
CdTe, p-n junctions, LPE grown, injection electroluminescence 2−10123
CdTe p-n junctions quantum and energy conversion efficiency 2−20130
GaAlAs p-n junction characters., effect of X-ray irradiation *(Russian)* 2−14687
$Ga_{1-x}Al_xAs$ n^+/p^+ tunnel junction, MBE, ohmic contact for cascade solar cell 2−4345
GaAs hyperabrupt junctions, avalanche breakdown voltage calc. 2−14683
GaAs, minority carrier lifetime, electron beam induced current study 2−24971
GaAs n^+/p^+ tunnel junction, MBE, ohmic contact for cascade solar cell 2−4345
GaAs p^+-n junction, impact ionisation coeffs. determ. 2−9494
GaAs p^+-n-n^+ structs., nonequilib. minority carriers, effective lifetime in lightly doped n-type region 2−9495
GaAs, p-n junction, pressure effects on avalanche breakdown voltage 2−14674
GaAs p-n junction charact., effect of X-ray irradiation *(Russian)* 2−14687
GaAs periodic doping structures grown by MBE, space charge field of impurities, cond. modulation 2−5621
p-GaAs, reemission effect on carrier transport 2−5566
GaAs, S-type diode, negative photocond. 2−25626
GaAs, shallow diffusion of Zn for optical waveguide modulators 2−25534
GaAs shallow-homojunction solar cells on epitaxial Ge grown on Si substrates, CVD technique 2−23589
GaAs thin film homojunction solar cells, charact. 2−12850
GaAs, V-I charact. measurement method *(Russian)* 2−3237
GaAs:Cr S-type diode, photoelec. props., neg. resistance under reverse bias 2−1810
GaAs:Cr S-type diodes, impedance under double injection conditions, switching mechanism 2−20127
GaAs:Fe p-π-ν-n structs. current-voltage charact. and electrolum. study 2−5617
GaAs:Si epitaxial p-n junctions, injection luminesc. 2−25642
GaAs:Te,Zn, heavily doped material with p-n junction, SEM local cathodolum. obs. 2−24957
$Ga_{0.47}In_{0.53}As$:Sn, MBE grown, p-n diode 2−567

p-n homojunctions continued
GaP, p-n junction, pressure effects on avalanche breakdown voltage 2−14674
GaP:Bi p-n struct., electrolum. and photoresponse spectra 2−20731
GaP:N, Al^{2+} postimplantation gettering effects in p-n junctions 2−9485
GaSb, p-n junction, pressure effects on avalanche breakdown voltage 2−14674
Ge p-n junction, avalanche breakdown voltage, pressure depend. 2−14673
Ge p-n junction, hot carrier thermo-EMF under strong forward bias conditions 2−5619
Ge photoconverters, electrical charact. under high illumination intensities 2−7990
Ge, second breakdown patterns 2−9498
Ge thin film p-n junction ultra high efficiency solar cell performance for solar thermophotovoltaic energy conversion 2−23460
InP, diffusion of Cd at 680°C, p-n function formation 2−9554
InP:Zn, p^+n junction diodes and Schottky barriers, deep levels, Zn diffusion effects, DLTS study 2−9427
In_2SnO_3-InP solar cells fabrication and charact. 2−23456
Pb chalcogenides, photovoltaic detectors, R_0A product temp. depend. 2−10141
PbS, PbSe abrupt p-n junctions, R_0A product, dopant conc. effect 2−14681
$Pb_{1-x}Sn_xTe$ diode lasers, tunnelling-determined threshold current 2−1939
Si 2−23491
Si, amorphous, p^+-i-n^+ junction, injection electroluminesc. and photoluminesc. 2−25602
Si, amorphous, solar cell, p-i-n struct., stability 2−23418
Si avalanche photodetectors, crystal defects, electron channelling imaging with SEM 2−9483
Si concentration solar cells operating temp. effects on electrical performance 2−23467
Si, current fluctuations, during secondary breakdown 2−20129
Si epitaxial layers, effect of defects on voltage breakdown of p-n junctions *(Russian)* 2−1225
a-Si, field effect and substitutional doping 2−25016
Si high-resistivity n^+pp^+ solar cells, performance under 1 MeV electron irrad. 2−23504
Si hot carrier p-n junction, current oscills. 2−9493
Si ICs, p-n junctions, dynamics of charge collection from alpha-particle tracks, computer simulation 2−5796
Si integrated p^+-n junctions under forward bias, leakage current degradation obs. 2−14682
Si, ion implanted, annealing in plasma of pulsed gas discharge 2−20212
Si ion implanted polycryst. solar cells 2−4363
Si, MBE, background and dopant impurities in film and film-substrate transition region, elec. transport 2−1153
Si n^+pp^+ solar cells, high-efficiency, fabrication and charact. 2−12869
Si on metallurgical grade Si, heat treatment effects 2−18492
a-Si P-I-N solar cells, field and light depend. effects, model 2−23531
Si p^+-n-n^+ single crystal high efficiency solar cells 2−18525
Si p^+-n-n^+ structure, avalanche breakdown calcs. 2−25194
Si p^+-s-n^+ epitaxial diode, double reflection effect on forward I-V charact. 2−25199
Si, p^+n and n^+p junctions, breakdown voltage comparison *(Rumanian)* 2−5602
Si p-i-n diode thermophotovoltaic cells recent developments in theory, fabrication and testing, high conversion efficiency design 2−18524
Si p-i-n structure, homogeneously heated, injection effects 2−5616
Si p-n junction, alpha particle irrad., radiation defects 2−5618
Si p-n junction, avalanche breakdown voltage, pressure depend. 2−14673
Si p-n junction, cut-off freq. meas. using chopped photon beam 2−20124
Si, p-n junction, fabrication by laser irrad. pulses 2−9497
Si, p-n junction depths, impurity profiles 2−25149
Si p-n junction solar cell, effective elec. field in n-type heavily doped emitter region 2−23431
Si, periodic struct., elec. props. 2−9492
Si shallow junction solar cells, dependence of efficiency on substrate doping 2−12870
Si solar cell, metal-insulator-semiconductor p-n, ion implantation doping 2−28104
Si, solar cell, single cryst. and polycryst., minority carrier diffusion length 2−18472
Si solar cell fabrication, p-n junction prep., one-step photochem. doping process using ArF excimer laser 2−23494
Si solar cell fabrication, p-n junction form., laser annealing of ion-implanted substrates 2−23495
Si solar cell; metal-insulator-n-p junction struct., 678 mV open circuit voltage 2−4338
Si solar cells, B implantation from BF_3 gas discharge source 2−12912
Si solar cells, BSF, conventional and bifacial, n^+pp^+, Al-alloyed high-low junctions formation 2−12905
Si solar cells, fabricated by planar technology, charact. 2−7989
Si solar cells, HV high efficiency, MINP structure 2−23638
Si solar cells, laser-processed, effect of emitter dopant concentrations on open circuit voltage and fill factor 2−18499
Si solar cells, monocrystalline, n^+pp^+ structure, junction formation and metallisation sintering using direct coupled microwave heating process 2−12901
Si solar cells, p-n and n-p junction, effect of back surface field on open-circuit voltages 2−23435
Si solar cells, polycrystalline, p^+-n-n^+ structure, low cost development 2−12898
Si solar cells, thin-film, polycrst., comparison between MIS and p-n junction cells 2−23624
Si solid-phase epitaxy p-n junction formation, low-temp. technique for efficient solar cells 2−18593
Si surface p-n junction, surface electric field two-channel meas. using mirror electron microscope 2−14603
Si, V-I charact. measurement method *(Russian)* 2−3237
Si:H, amorphous, p-i-n junctions, photoacoustic emission 2−25052
Si:H amorphous multijunction solar cells, conversion efficiency and interference effects in spectral response 2−23444
Si:H amorphous p-n junctions, elec. transport, doping effects 2−25054
Si:O, p-n junction charact., O conc. influence 2−20122
α-SiC:Al^+ LED, electroluminesc. spectra fine struct. 2−25644
$ZnGeP_2$ p-n homojunction diodes, photoresponse anisotropy, bias voltage depend. 2−10119
Zn_3P_2-Mg, p-n junction form., carrier diffusion lengths, collection efficiency spectral response, EBIC meas. 2−14690

p-n junctions
see also p-n heterojunctions; p-n homojunctions
abrupt, forward biased, model for terminal characts. and inject efficiency 2−25060
AC-DC conversion by struct. with weak injection 2−9489
computer-aided analysis 2−9482
deep centres, local distrib., photocapacitance study 2−14838
deep levels, meas. techniques, DLTS, thermally stimulated capacitance, photocapacitance and photocurrent meas. methods *(Japanese)* 2−9391
dielectric constant, position depend., elec. field and charge density effect 2−14677
diode, normal modes for materials parameter determ., open-circuit voltage decay 2−9619
heat propagation processes investig. using internal heating of IC *(Russian)* 2−9699
hot carrier, elec. signal amplification kinetics 2−9496
hot carrier, impedance 2−9490
hot carrier thermo-EMF under strong forward bias conditions 2−5619
impact ionisation parameters determ. from current multiplication coeff. 2−9487
ion implantation in microelectronics, bibliography 2−23878
ion implanted p-n mesa diodes, furnace and laser annealed, carrier effective lifetime 2−14831
LF noise in semiconductor devices, degradation mechanisms in p-n junctions, thermodynamic approach 2−1327
local characteristics determ. by induced potential method in stroboscopic mode 2−25047
majority-carrier characts. meas., automatic modular expt. set-up using IEC-bus *(German)* 2−16821
minority carrier lifetime meas. by laser scanning digital system *(Rumanian)* 2−20121
MOST, electrical characts. in direct shift of source-substrate p-n junction *(Russian)* 2−25219
n^+-p-p^+ structures, negative differential conductance in mag. field 2−14684
open-circuit voltage decay, theory 2−14678
p-i-n structures, photocond. in presence of light absorpt. by injected carriers 2−6089
photodetectors, high sensitivity, fast response, optimal parameters 2−3164
reversed-biased, electron interf. image interpretation 2−20125
semiconductor devices, under high power pulse radiation, continuity eqn. soln. technique *(Russian)* 2−9604
Si n^+-n^--p^+ rectifier junction, induced short circuit currents 2−9484
solar cell, band gap narrowing evaluation methodology based on measurements of emitter and base lifetimes and relaxation time 2−23463
solar cell p-n junctions formation using pulsed laser processing technology 2−18500
solar cells, carrier redistribution anal. within junction using kinetic method 2−23465
solar cells, photo voltage decay method for minority carrier lifetime meas. 2−12858
solar cells, photovoltaic characts. in p-n junctions, heterojunctions, Schottky and MIS structures *(Japanese)* 2−4360
symmetric step junction, transition region modelling 2−25061
testing frequency characts., test pulse generator using thyratrons 2−14847
$Al_xGa_{1-x}As$ LED fabrication, epitaxial p-n structures quality estimate 2−25119
GaP light diode p-n structs., conversion of laser IR to visible radiation *(Russian)* 2−10170
Si, carrier transparent and device performance, influence of cryst. defects, book contrib. 2−1169
Si, thin film, applicability of vacuum deposited silicon 2−12895
Si:B, As, short channel MOSFET and n^+-p junction diode, fabrication using ion implantation and laser annealing 2−14871

P-V-T relations *see equations of state*

pacemakers
see also patient treatment
analysis, improved instrument based on charge-coupled device 2−27204
carotid sinus nerve stimulation system for angina pectoris and hypertension therapy 2−17419
risks of electrical danger in electromagnetic fields 2−27207
stimulating electrode chronic threshold, comparison of activated vitreous C with Pt-Ir electrodes in animal tests 2−17422
thick film technology in pacemakers *(Italian)* 2−1058
$Li/LiI/I_2$ (PVP) pacemaker battery, solid electrolyte role 2−12794
^{238}Pu heat sources for pacemakers *(French)* 2−11964

packaging
see also encapsulation; modules
1K RAM, in LSI packaging that passes PIND test 2−25296
2N2222A transistor, humidity activated surface leakage paths on TO case style glass headers 2−14852
antistatic materials for prevention of electrostatic damage, electronics industry appls. 2−13298
battlefield sensor, artillery delivery, gun-hardened module design, electronic packaging 2−22231
cable solder/insulation packages for splicing and termination, advantages 2−980
ceramic chip carriers, reflow attachment and reliability testing 2−5797
chip carrier technology 2−4652
chip carrier technology *(German)* 2−14898
chip carriers advantages and disadvantages *(Swedish)* 2−23993
chip-carriers, PCB requirements *(Swedish)* 2−23994
corrosion-resisting topseal for cermet and other thin film resistors 2−9327
digital ICs, array packaging scheme, 1K×10 bit format, partially good chips 2−24470
digital logic circuit grounding and interconnection, layout guidelines 2−19953
domestic electrical appliances packaging and protection against corrosion 2−4483
electronic equipment, enclosure standardisation trends 2−18996
electronic equipment, Profitronic range of rectangular sectioned Al extrusions, design and appls. 2−107
electronic packages, modules with multilength pins 2−95
electronic packaging, US welding of plastics 2−17614
electronic packaging and production, conf., Anaheim, CA, USA (Feb. 1981) 2−24001
electronic packaging evolution in IBM, review 2−18997
electronic packaging standards, IEC 297 for racks and panels 2−105
electronic products, plastics appl. 2−4653
experimental circuit cards for circuit packaging 2−99

packaging continued
flex-rigid packaging scheme using combination of rigid PCBs connected with printed flexible cables 2−4663
flexible tape conductor interconnection for semiconductor chips 2−5500
hermetic ceramic chips carrier interconnection with printed wiring boards 2−9324
high density packaging technology, chip and wire multichip package 2−23992
high-reliability active chips micropackaging techniques for space electronics components 2−1080
high-speed digital LSI circuitry, packaging considerations 2−9060
high-speed digital VLSI, packaging, requirements and potential trade-offs 2−19607
hybrid circuits for military appls., packaging requirements 2−9332
hybrid ICs, weld and solder seam nonuniformity detect. using holographic matched filtering and electronic processing 2−14535
hybrid microcircuit substrate-to-package thermal adhesive bonds, nondestructive IR inspection 2−1076
IBM multilayer internal conductor ceramic mounts *(German)* 2−24817
IC, liquid cooled, packaging improvement 2−24000
IC modules, sensor for humidity testing *(Hungarian)* 2−23995
IC packaging panels, socketing for chip carriers, stitch-wire and BONDEX solder reflow for discrete wiring of PWBs 2−14377
IC packaging technology for electronic analogue watches, flip-chip technique using PCB substrate 2−20008
IC technology, stacked module approach, ceramic substrate, advantages 2−24818
ICs, reliability physics conf., Orlando, Florida, USA (April 1981) 2−18861
industrial packaging for HP 9915A instrument controller 2−4655
interconnection and packaging systems 2−19962
Josephson technology package, assembly and retention of comp. parts 2−15248
Josephson technology system level experiment for supercond. computer 2−9929
LAMPAC printed wiring board for high-density cct. packaging 2−14391
leadless chip carrier, attachment methods 2−19004
leadless chip carriers for hybrid ICs 2−14539
leadless chip carriers for IC packaging 2−91
LED high performance connectorised package for fibre optics 2−25640
logic IC packages, connectivity and wirability 2−24483
LSI packaging, tape automated bonding and ceramic chip carriers, interconnection 2−13297
LSI stress, introduced by plastic packages, measurements with integrated strain gauges 2−14940
magnetic bubble memory package, bobbin design 2−1592
magnetic bubble package, full-access coil form 2−20539
metallic finish systems for microelectronic components 2−25295
microelectronic packaging and interconnection, future trends 2−13289
microelectronics, conf., Tokyo, Japan (May 1980) 2−5
microelectronics interconnection overview 2−14371
microsystem packaging, memory/processor chip mounting on single substrate 2−18998
modular mechanical 19 in. systems 2−106
module heat dissipation increase by extension of electrical input-output pins 2−18999
multilayered ceramic top brazed flat packs, moisture effects 2−13294
Multiwire boards with metal core, fabrication methods, advantages 2−14469
NMOS dynamic RAM in plastic packages, reliability evaluation in high humidity and temp. environments 2−25356
overlooking obvious errors in design or production testing 2−8248
panelware, keyboards, enclosures and panel manufacture, state-of-the-art 2−108
PCB assemblies and hybrids, design and manufacture, correct assembly techniques 2−1028
PCB density increase by using leadless chip carriers and components 2−1015
PCB interconnection in digital computers, cable consideration as transmission line 2−13296
PCB interconnection methods for demanding LSI system designs 2−14390
PCB single-layer, package and wiring density increase *(German)* 2−9296
PCBs, high density metal core, elec. and thermal props. eval. 2−19957
pin-attachment technique and structure for substrates 2−5499
plastic DIPs, 16- and 40-pin, thermal characteristics 2−25294
plastic IC packages, determ. of mech. strains and their effect on devices during environmental tests 2−14939
power semiconductors, cooling, packaging and protection 2−1326
power semiconductors, cooling and assembly in plate cases *(German)* 2−1325
power transistor packaging, suitability for power engineering *(German)* 2−1350
printed circuit card package with card-retention offset from latching mechanism 2−92
replaceable logic card cartridge 2−8271
sealed electronic enclosures, thermal performance improvement 2−109
semiconductor, brazing preform 2−19002
semiconductor chip module packages, thermal characts. 2−19003
semiconductor chips mounting, flip-chip bonding 2−5501
semiconductor devices high-efficiency module cover for improved cooling 2−97
semiconductor packages, recessed ceramic flattening tile 2−19001
semiconductor packaging and interconnection of new generation of ICs 2−14893
semiconductor power module, clampless and springless pressure mounted 2−8273
shock-proof module package 2−93
single-chip module, back-bonded chip-interposer packaging scheme 2−4656
socketable packaging for high-power LSI devices in high-speed computers 2−24003
solar cells, reflector light-bulb enclosure 2−8000
solderless package concept for electronic equipment 2−90
spectral analyser, portable, Tektronix 492, for military and laboratory environments 2−16909
surface mounted component substrates, VLSI device packages and surface attachment methods 2−19932
tape automated bonding for high density packaging 2−1078
thick film circuits for telecommunications equipment 2−1054
thick film multilayer boards, chip carriers mounting 2−1077

packaging continued
thick-film ceramic chip capacitor, bottom terminated, low inductance, decoupling appls., package design 2−1060
thin film module pacakge, 45 degree wiring layers for chips mounted on ceramic substrate 2−4659
tile circuit package 2−4660
VLSI technologies, packaging methods 2−1401
BeO packages for high-power semiconductors, process concepts 2−24002
GaAs Schottky diode FET logic ICs, special considerations in probing and packaging 2−25365
Si-to-ceramic solder connectors, top seal composition 2−87

packet switching
28th International Scientific Electronics Congress, Rome, Italy (March 1981) 2−18859
accessing packet switching systems, X25 protocol 2−10848
adaptive multi-destination protocols for packet radio networks 2−6625
ALOHA satellite channels with finite buffer, performance 2−21396
asynchronous reservation protocol for multiple access channel 2−21402
Australian national packet switching service, AUSTPAC 2−16010
AUTODIN integrated defence communication network, system architecture 2−2560
broadcast routing in packet switching networks 2−21394
CCITT X.25 protocol 2−21559
CNET local network *(French)* 2−16205
computer communication networks, routing problems, appl. of hierarchical control techniques 2−15971
computer networks, optimal flow control 2−15964
computer networks with auxiliary satellite channels, design concepts 2−2545
congestion control, DDX public packet switched data network *(Japanese)* 2−6713
D50 packet switched system for public network *(Japanese)* 2−6595
data communication network, develop. and international standards establishment 2−16167
data communication services in ISDN *(Italian)* 2−10946
data communication system applic. *(German)* 2−26302
data communication systems linking to Swiss telephone network *(German)* 2−21599
data communications, advantages of packet switching systems 2−10849
data network supervision and management system architecture *(Italian)* 2−21619
DATALINK nationwide private data communications network, conversion to packet technology 2−2547
Datanet 1, Netherlands, packet-switching data network, role and significance 2−26373
Datanet 1, Netherlands data network, as part of telecommunication infrastructure 2−26374
Datex-P data package service of German Post Office, CNA-X25 modular software 2−2536
DATEX-P data packet switching network *(German)* 2−10874
DDX data communication network expansion *(Japanese)* 2−6597
deadlock-free packet switching networks 2−2401
DIODE management of broadcasts in a data packet broadcasting system *(French)* 2−21539
discrete buffered system, Poisson arrivals, priority service random server interruptions, queueing time of data packets 2−2410
DS-1 electronic mail 2−16091
Dutch data network, technical aspects 2−26375
engineering education, packet switch project soln. 2−2521
error control method using majority-decision logic 2−10740
Euronet Diane, origins, structure, data packet exchange service, network access and costs *(German)* 2−2520
Euronet packet switching exchange 2−21701
European railway administrations' data transmission network Hermes *(Italian)* 2−16192
facsimile communication system development for packet-switched data network 2−2483
facsimile communication system on packet switch data network 2−21486
facsimile terminal device of X25 interface, testing *(Japanese)* 2−2478
flow controlled packet switched network, fair sharing problem 2−21408
forward error correction for automatic repeat-request scheme 2−10995
French public packet-switching data network status and prospects 2−21615
geographically distributed network organisation, integrated approach *(Italian)* 2−16196
GTCNET public switched telephone network 2−2458
heterogeneous, optimum packet size for message communications 2−21405
history of development 2−10847
hybrid access scheme analysis 2−21395
hybrid switching systems for circuit- and packet-switched services, anal. and design 2−2645
integrated services digital network 2−16088
integrated services digital network problems and local exchange structure *(Italian)* 2−21621
integrated services digital networks, data communication handling prospects 2−21618
integrated text, data network concepts *(German)* 2−16278
interactive videotex system structure and operating principles 2−21527
international packet switching services in France 2−2414
Italian integrated services digital network signalling and protocol definition 2−6520
Italian packet switching network application of GTE Telenet system *(Italian)* 2−16174
Italian public switched data network in European context *(Italian)* 2−21616
local communication networks, design using multi-stage switching networks 2−10741
local data transmission network/ with memory switching/ 2−2508
local-area subnetworks, performance comparison 2−10751
maintenance, administration in DDX public packet switched data network *(Japanese)* 2−6711
microprocessor and optoelectronics based packet switch for satellite communications 2−2759
modeling and analysis of flow controlled packet switching networks 2−21558
modular buffers 2−16147
modular equipment for packet switched data networks *(Italian)* 2−16160
multiaccess ALOHA system *(Croatian)* 2−16169
multiaccess protocols in packet communications systems 2−2428

packet switching continued
multipacket message reassembly times 2−26168
multiple access packet communication systems, URN scheme 2−21406
multiple access protocols in packet networks 2−6627
multiplexer, distributed processing, 64 kbit MOS RAM *(Japanese)* 2−6715
multiprocessing systems, functioning models of systems with arbitrary dispatching control algorithms under periodic service *(Russian)* 2−13404
multiprocessor based, for satellite communications 2−6480
MVDNET design principles 2−2626
networks, anal. by power performance measure 2−21404
networks with satellite overflow channels, performance modeling 2−2740
new node establishment in DDX public packet switched data network *(Japanese)* 2−6712
nonpacket-mode terminal accommodation in DDX public packet switched data network *(Japanese)* 2−6714
optimal strategy for activation of a servicing device in one class of systems with group servicing 2−13413
packet radio networks, distributed control 2−21765
PASM 4×4 switching nodes performance and implementation 2−2542
PROCESS-2000 operating system *(Hungarian)* 2−21590
PSS, facilities and charges 2−10842
quasi-static routing and flow control algorithms, interactions 2−21409
queueing model 2−21560
queueing models, anal. using algorithmic technique, bursty input traffic 2−2409
railway signalling control system, appl. of packet switching techniques 2−18696
random access packet-switched code division multiple access systems, performance analysis 2−2228
random multiple packet access: part-and-try algorithm 2−21400
random multiple-access stack algorithm 2−15970
Rank-Xerox Ethernet system *(German)* 2−2548
remote DP, data transmission protocols *(German)* 2−21586
routing table updating, relational Petrio net model for reduced computational complexity 2−21635
satellite channel, multiple access protocols, passive/active user classification *(Japanese)* 2−15967
satellite channel circuit and packet integrated switching method 2−2750
satellite information networks, random access techniques 2−15972
SENET multiplexed link, fluid approximation approach to estimate data traffic performance 2−6491
service class and architecture 2−21569
SILK, system for integrated local communication 2−21648
SILK integrated communication system, news service for broadcasting appl. 2−6720
SILK integrated communication system, remote control TV studio equipment appl. 2−6721
SILK integrated local communication system, experimenal optical network 2−6719
SILK integrated local communication system, mechanical design 2−6718
SILK integrated local communications systems, connections, terminals 2−6717
SILK local integrated communications system, survey 2−6504
SILK local integrated communications system, transport plane 2−6716
speech communication using packet switched networks 2−21627
speech system, adaptive control on length of jitter absorbing buffer 2−2606
speech transmission using packet switched network 2−21462
speech/data digital network, optimum packet length calc., w.r.t. delays *(French)* 2−26170
Swiss Telepac, pilot national switched data network 2−26200
telematic information switching 2−21644
TELENET packet switched network 2−10867
TELEPAC, packet data transmission system *(French)* 2−10875
telex terminals accessing protocol definition, public packet switched networks appl. *(Italian)* 2−10796
terminal connection protocols in data communication networks 2−16153
terrestrial packet radio networks, idle signal multiple-access scheme 2−21407
through-nodes minimisation in computer networks 2−16171
time-division multiple access network, channel assignment technique 2−15963
TRANSPAC 1981-1985: evolution of a network and services; the effect of users on the project *(French)* 2−21645
tree algorithm with finite number of buffered users, anal. 2−6492
two-stage queueing model with finite waiting room and blocking, efficient numerical calc. 2−10737
user data end to end security provision 2−10871
value added networks in higher educational computing 2−16163
virtual call control in DDX public packet switched data network, expansion *(Japanese)* 2−6710
virtual circuit switch as the basis for distributed systems 2−21565
voice message system characts. 2−16062
voice message system controlled by word recognition 2−16063
voice terminal hardware design 2−21679
X.25 implementation in high level software 2−10858
X.25 link maintenance, link-level software testing 2−26299
X.75 based international links from Japan 2−2415
X.75 internetworking flow control 2−2413
X.75 internetworking of Datapac and Telenet 2−21573

packing *see packaging*

paging *see virtual storage*

pair algebra *see algebra*

palaeomagnetism
sediment cores, rapid method for mag. granulometry with appls. to environmental studies 2−17550
stable TRM using AF demagnetizer with unrotated specimens 2−7424

p.a.m. *see pulse amplitude modulation*

pantographs
contact force measurement between contact wire and contact strip *(German)* 2−28166
Paris-South-East line, electrical installations *(German)* 2−12985
railway pantograph overhead contact wires, high frequency vibration study 2−23693
wave interaction, with connected mechanical supports in railway system trolley wires *(German)* 2−18688

paper
see also paper industry
capacitance-graded bushings with insulation of oil-impregnated paper 2—7562
conductive paper, graphite plated, measurements of electric properties *(Slovenian)* 2—9236
conformable mica paper tapes for high-voltage appls. in machine insulation 2—23249
electrophotography, sensitivity of 'Organic photoconductors for laser imaging' 2—15647
electrographic paper, electrical characteristics 2—21053
electrophotographic photoreceptor for laser recording with GaAlAs-lasers, aluminium selenide based 2—15649
electrophotographic properties of Se-Te 2—15648
electrophotography, near infrared sensitivity of CdSe:Cu binder layers 2—15651
electrophotography, structure and properties of Se-Te 2—15650
electrostatic printing, high resolution apparatus 2—15635
mica, electrical insulation appls., review of minerals, elec., mechanical and thermal behaviour 2—20467
mica paper insulation, effect of material parameters on quality of insulation 2—15086
oil filled transformers, adhesive bonding systems for distribution transformer coils 2—15082
oil-immersed transformers, effects of local temperature-rise of constructional elements on insulating materials ageing *(Polish)* 2—4265
PCB paper laminates, improved designs 2—14419
transformer oil dielec. strength, influence of paper coatings on electrodes 2—7906
transformer oil impregnated crepe paper insulating tubing, electrical perform. 2—15083

paper industry
CIP Gatineau electric drive control system 2—18635
coiling machine regulating system *(French)* 2—28305
grinder control in a magazine paper mill 2—8123
OR model 2—23839
POLAROX electrochemical analyser for bleaching 2—23841
process measurement and control using optical systems *(Swedish)* 2—16975
pulp stock, new optical flow measuring device 2—17173
small conveyor equipment for dosage of hopper-held and granular material *(German)* 2—23707
thermomechanical pulping, computer controlled 2—18827

paraelectric materials *see dielectric materials*

parallel access storage
No entries

parallel processing
24-channel digital signal processing transmultiplexer 2—2604
8085 microprocessors in multiple system, 2—8298
aircraft propulsion system, real-time simulation approach using parallel processing 2—27245
alternating sequential-parallel calculation of eigenvalues for symmetric matrices 2—24248
alternating sequential/parallel processing fundamental and examples 2—12147
architecture *(Russian)* 2—2513
concurrent processes descriptive power with synchronisation mechanisms, extended models of flow expressions 2—16172
DFT algorithm comparison using residue architecture 2—13801
efficient parallel processing method for power system state estimation 2—12148
fast, time-sliced, multiple data bus structure for overlapping I/O and CPU operations, nuclear appl. 2—6603
fast two-dimensional image recognition systems, problems of microelectronics 2—788
Kalman filter design algorithm 2—6460
MHD/steam power plants, real-time simulation by digital parallel processors 2—23140
million channel pulse height analyser for data acquisition, multimicroprocessor system 2—7292
multiprocessor system, design using common memory and input-output interface 2—14139
nearest neighbour array tree embedding 2—4883
parallel algorithms for the minimum spanning tree problem 2—4882
power system applications 2—27397
production processes control using image logic *(Bulgarian)* 2—6466
series-parallel reduction for difficult measures of network reliability 2—21591
sparse matrix lower triangular system algorithm 2—4921
undirected graph algorithms computational complexity 2—4881
VLSI parallel multiplier 2—19642

paralleled resonator filters *see band-pass filters*

paramagnetic Curie temperature *see Curie temperature*

paramagnetic-ferromagnetic transitions *see ferromagnetic-paramagnetic transitions*

paramagnetic properties of substances
see also paramagnetic resonance; paramagnetism
polyacetylene, elec. transport, mag. and struct. props., review 2—25039
MnF_2, mag. boundary between spin-flop and paramagnetic regions 2—15673
$(Se_{0.5}Te_{0.5})_{1-x}M_x$ (M=Cu,Tl,Ag,Na) liquid semiconductor, elec. cond., thermopower and mag. susceptibility 2—20114

paramagnetic resonance
see also CESR; paramagnetic resonance of ions and impurities
amorphous semiconductors aspects of basic physics researches 2—25019
electrical insulation degradation investigation methods, electron spin resonance study 2—15039
polyolefins, electrically stressed, kinetics of degradation 2—9765
Si:H amorphous films, SiH_4 decomp. prep., phys. props. 2—1203
Si-SiO_2 interface defects, low temp. annealing and hydrogenation 2—5636

paramagnetic resonance of conduction electrons *see CESR*

paramagnetic resonance of defects
As-S:H, amorphous plasma deposited coating, optical props. and EPR 2—25003
As-Se:H, amorphous plasma deposited coating, optical props. and EPR 2—25003
Si amorphous RF sputtered coating, photocond., optical and EPR props. 2—20093

paramagnetic resonance of defects continued
Si:F amorphous film, glow discharge plasma deposition from SiF_2 gas 2—19443
Si:H, amorphous ion beam deposited coating, EPR spin density 2—20094
Si:H amorphous plasma deposited coating, elec. and optical props., RF power and growth temp. depend. 2—19444
Si-SiO_2 interface in MOS structures, radiation-induced trivalent Si defect buildup 2—14705

paramagnetic resonance of ions and impurities
see also paramagnetic resonance of iron group ions and impurities
Si:B, H amorphous CVD film, hydrogenation effect, elec. cond. and ESR meas. 2—20100
Si:F, H amorphous CVD film, hydrogenation effect, elec. cond. and ESR meas. 2—20100

paramagnetic resonance of iron group ions and impurities
BaO-V_2O_5:Mn(Fe)(Co)(Cr)(Cu) glass, elec. cond. and EPR spectra 2—25011
GaAs:Mn,Fe, heat treatment effects on surfaces, thermal redistrib. of impurities 2—1195
V_2O_5, amorphous CVD coating, prep., elec. cond. and EPR spectra 2—20103

paramagnetism
see also paramagnetic properties of substances
maser paramagnetic crystal, amplification of surface magnetostatic spin wves, calc. 2—1823

parameter estimation
acoustic signal parameter estimation techniques and results 2—26139
adaptive analysis of speech based on a pole-zero representation 2—21314
attitude estimator, ESA starmapper meas. results computing 2—27238
attitude reconstitution, dynamic method based on Sun-Earth colatitudes 2—27237
autoregressive process, estimation of coefficients by using higher order moment 2—13462
bilinear time series model, first-order 2—8529
binomial distrib., shrinkage estimators 2—234
branching processes with immigration, maximum likelihood estimation 2—4759
characteristic polynomials of the information matrices of balanced fractional 3^m factorial designs of resolution V 2—4815
common location estimation 2—4783
covariance sequence approx. for parametric spectrum modelling 2—6436
Cramer-von Mises norm parameter estimation, minimum 2—248
DC motors with separate excitation and adaptive control, online parameter estimation *(Chinese)* 2—18257
digital control methods for power station plants based on identified process models 2—3935
drift parameter estimation for the unobservable component in random processes 2—19137
dynamic programming appl. in picture and signal processing 2—2330
electric power systems, dynamic model for state and parameter estimation 2—7514
estimation of states and parameters in continuous nonlinear systems with discrete observations 2—13761
exponential families mixtures, conditional max. likelihood estimators efficiency and confidence limits 2—4772
filter design, parameter estimation *(Russian)* 2—19794
finite Markov chains, gradient approach for recursive estimation and control 2—24096
fission reactor start-up and shut-down using digital hierarchical decentralised information system 2—7693
flight data frequency-domain analysis computing 2—22606
gamma distrib. parameter estimation, maximal invariant appl. 2—238
Gaussian maximum likelihood estimator, decentralization, applications to passive array processing 2—2336
graphical method for estimating the parameters of a truncated normal distribution 2—117
identification of stochastic linear systems in presence of input noise 2—10681
interactive approach to multiple criteria decisionmaking based on statistical inference 2—8447
interval estimation using the folded logarithmic transformation/ 2—233
Kalman filter model, mean and covariance, estimation and tests of hypotheses 2—4789
LANDSAT MSS data, geometric correction, land cover classification and change detection 2—27263
linear discrete dynamic system, parameter estimation, filtering problem under conditions of ambiguous meas. 2—22032
linear pure death process, initial size estimation 2—4775
linear regression, robust Bayes and minimax Bayes estimation 2—276
linear regression models with weak and fuzzy prior knowledge 2—13482
load demand prediction, two stage adaptive estimator 2—22865
location and scale parameters, minimum mean squared estimation under model misspecification 2—4771
low order autoregressive time series, replicated observations 2—13461
marked populations survival estimation with possibly dependent sighting probabilities 2—4774
maximum likelihood estimation and grouping correction 2—8554
microcomputer-based technique 2—13907
minimum distance estimation 2—251
model mismatch effects on future detection 2—13325
multinomial proportions, pseudo-Bayes estimation 2—4787
multivariate autoregressive-moving average models, predictions 2—4770
n-ary designs, recovery of intra- and interblock information 2—4798
nonlinear least squares model fitting to error-disturbed obs. 2—26143
nonstationary time series model, fitting by recursive filter 2—13464
one armed bandit adaptive control problem, optimal solution 2—4904
optimal linear estimator based on estimators with unknown basis 2—13628
optimal parameter estimates in regression models with special covariance structure and their use in two-factor experiments 2—19269
orbit determ. simulations using laser ranging data, SIRIO-2 LASSO mission 2—27244
outliers number, estimation procedures 2—235
paper industry OR model 2—23839
power transformation family, prediction 2—13443
practical optimisation, book 2—8656
preventive maintenance optimisation, parametric models for small samples 2—13246
prior test in presence of multicollinearity, optimal significance tests 2—257

parameter estimation continued
PWR power station self-tuning load-following control 2−3882
reliability data estimates, comparisons and appls. 2−143
remote sensing, statistical scale-up estimators for surveys where detect. and classification errors exist 2−12064
robust regression and interpolation for time series 2−8481
satellite identification and control, using partitioning methods 2−27243
seismic prospecting, error estimates for inverse modelling schemes u sing travel times meas. 2−17543
semi-Markov processes, parameter estimation from censored records 2−24097
sensor array time delay estimation for multipath propagation 2−26141
sequential point estimation of the means of U-statistics in finite population sampling 2−8513
single server queues, estimation 2−13410
solar circuit, online parameter estimation using microcomputer 2−7782
spacecraft attitude and sensor parameters estimation, using adaptive filtering 2−22592
stochastic dynamic programming, caution and programming concepts 2−388
strapdown sensor parameter estimation for inertial system error compensation 2−7387
survival function, max. likelihood estimation based on censored data under hazard rate assumptions 2−255
thermal networks, optimal parameter estimation *(German)* 2−11651
thruster performances modelling and parameters estimation 2−22620
transfer function models, noise correlations estimation 2−4802
two-associate class PBIB designs, connectedness criteria 2−4816
use of rank order distributions for the estimation of the probabilities of rare events 2−4686
variance estimation for approximately linear models/ 2−275
video tracking, distributed parameter system regulator design 2−15958
von Mises-Fisher concentration parameters, maximum likelihood estimators bias 2−8520
Wiener filtering, extension of two dimensions 2−21257
Wilcoxon-Mann-Whitney statistics, progressively truncated versions, estimation of P{X>Y}3 2−231

parameter identification *see parameter estimation*

parametric amplifiers
see also microwave parametric amplifiers; optical parametric amplifiers
Josephson junctions, chaos and noise rise, digital computer simulations 2−9912
nonlinear resonance system, parametrically excited by random force, statistical characts. 2−19102
ultra low current meas., circuit anal. 2−11575

parametric devices
see also acoustic parametric devices; microwave parametric devices; optical parametric devices
parametric frequency up-conversion of electromagnetic waves in bounded electron beams 2−26026
three-frequency parametric system as two-pole with negative inductivity *(Bulgarian)* 2−24383

parametric oscillators
see also microwave parametric oscillators; optical parametric oscillators
No entries

parametric up-convertors *see parametric devices*

parametric varactor diodes *see varactors*

parametrons *see parametric oscillators*

parcel post *see postal services*

parking control *see traffic control*

parsers *see grammars*

partial differential equations
see also boundary value problems; wave equations
advection equation, numerical boundary conditions, stability and accuracy 2−8723
aquifer field test for compressed air energy storage 2−12520
automotive internal combustion engines, 3D anal. of flow and combustion 2−13781
biharmonic operator, duality in obstacle and unilateral problem 2−19248
bounds of Galerkin projections on splines with highly nonuniform meshes 2−19370
Burgers' stationary eqn. approx. by spectral methods *(French)* 2−13673
cable models, finite segment, fluid force representation Lagrange equations 2−13739
Cauchy problem stabilization and limiting amplitude *(Russian)* 2−13741
Cauchy problem with unknown boundary of a first-order partial differential equation *(Russian)* 2−13745
collocation method solution 2−530
computer modelling of chopper controlled DC machines 2−4220
conformally invariant differential equations and projective geometry 2−19097
coupled reaction diffusion equations 2−19354
coupling shell problem, compactness property for solution *(French)* 2−24046
Crank Nicolson schemes, generalised, linear combinations 2−8724
Darboux problem solution for hyperbolic partial differential equations 2−13392
degenerate elliptic Dirichlet problems *(Russian)* 2−13743
determined and normal systems *(French)* 2−24044
deterministic systems, identification techniques 2−178
dielectric fluid flowing along annular channel, influence of electric field of heat transfer 2−25893
difference scheme, second order, calculation problem concerning fast-slow waves *(Chinese)* 2−13729
Dirichlet problem for the Kohn Laplacian on the Heisenberg group. II 2−8418
discrete-time adaptive filter for stochastic distributed parameter systems 2−10702
distributed parameter systems, boundary control and boundary observation *(Chinese)* 2−13368
distributed systems freq. response, numerical solution 2−19332
distribution-moment approximation for kinetic theories of muscular contraction 2−13778
dynamic programming appl. 2−2371
eddy currents in cylindrical shell, field distribution due to axial currents 2−21030
elastic plates model, segmentation method solution 2−13735
electric machines eddy current successive overrelaxation calcs. algorithm 2−4968

partial differential equations continued
electric machines magnetic field and transients calc., conf. at Athens, Greece (1980) 2−23240
electromagnetic field problems, relaxational solution 2−184
elliptic, finite element method 2−531
elliptic, finite element method with corner domain convergence 2−516
elliptic equations, Korns second inequality 2−8754
elliptic equations, on domains with corners, approximation 2−24260
elliptic equations, two sided eigenvalue estimate 2−19331
elliptic partial differential equations and quasiregular mappings, reflection principle for solutions 2−24041
elliptic partial differential equations solution in R-θ geometry by extrapolated ADI methods 2−13782
Euler-Poisson-Darboux, Dirichlet problem 2−8763
Euler-Poisson-Darboux equations in Riemannian space *(Russian)* 2−13746
evolution equation, existence 2−8747
evolution equations, computational stability *(Chinese)* 2−13726
existence and approximation for stationary Hamiltonian Jacobi equations 2−19359
existence and stability results 2−8744
existence theorem for a class of nonlinear evolution equations *(French)* 2−19083
exterior Helmholtz problem FEM 2−24267
Faraday MHD generator, unsteady processes, numerical calcs. 2−12919
finite dimensional approximation of nonlinear problems 2−24265
finite element solution 2−19367
finite element solution of eddy currents in asynchronous generator rotors 2−4103
finite-dimensional bifurcation problem 2−8753
finite-element solution of transient electromagnetic field problems in electrical machinery 2−4104
first order, stable and chaotic initial value problem 2−19357
first order quasi-linear hyperbolic systems, boundary value problems 2−4960
fluid filtration and heat conductivity, boundary-value problems 2−19375
formulation of pseudoparabolic boundary control problems 2−13762
free edge interlaminar stress finite element model 2−8728
fundamental solutions of equations of shallow shells 2−8762
gas dynamics, numerical solution 2−13771
generalized Chebyshev method for nonlinear parabolic equations in one space variable 2−24257
Hamiltonian systems, linear, with periodic coefficients, adiabatic invariants 2−8410
homopolar linear synchronous permanent magnet motor magnetic field calc. model 2−12615
homopolar linear synchronous permanent magnet motor magnetic field calc. model 2−12616
hyperbolic equations, energy and group velocity in semi-discretisations 2−13393
hyperbolic equations propagation through numerical mesh requirements 2−13780
hyperbolic quasilinear systems, numerical methods *(French)* 2−13721
incomplete gamma function evaluation algorithm and first two partial derivatives w.r.t. parameter 2−8518
indicatrix method. II 2−19352
induction motor stability nonlinear differential equation model 2−7851
interior regularity operators 2−13365
invariant differential equations representation *(Russian)* 2−500
invertible quadratic isoparametric finite element algorithm 2−13774
Lagrange multiplier method for Dirichlet's problem 2−515
Laplace integration, penalty method appl. 2−8749
linear induction motor air gap magnetic field model 2−4152
linear induction motor field calc. model 2−4148
linear induction motor finite iron and secondary width effects model 2−4149
linear induction motor magnetic fields calc. model 2−4153
linear induction motor short stator end effects model 2−4151
linear induction motor with U-shape secondary, magnetic fields calc. finite difference model 2−12649
linear inductor motor surface impedance model 2−4146
linear squirrel cage motor, single side, magnetic field calc. partial differential equation model 2−4161
linear synchronous homopolar motor magnetic flux calc. model 2−12618
linear synchronous motor magnetic field calc. finite difference model 2−12619
linearinduction motor with solid iron back yoke and variable freq. drive, magnetic field calc. model 2−4154
Maxwell equations and soliton theory *(Croatian)* 2−13783
MHD/steam power plants, real-time simulation by digital parallel processors 2−23140
mixed type equations boundary value problems *(Russian)* 2−24264
Navier-Stokes, finite element method solution 2−19366
Navier-Stokes equation in flattened cylinders, Hele-Shaw analogy justification *(French)* 2−19086
Navier-Stokes equations, viscous splitting algorithm 2−13768
nonclassical systems, boundary value problem formulation *(Russian)* 2−177
nonhomogeneous boundary conditions and curved triangular finite elements 2−4952
nonlinear Boltzmann equation, initial value problem 2−4950
nonlinear boundary-value asymptotic behaviour *(French)* 2−496
nonlinear elliptic boundary value problems, normalised implicit methods 2−499
nonlinear evolution eqns. class, compactness method *(French)* 2−13376
nonlinear parabolic equations, modified backward time discretisation using patch approximation 2−8758
nonlinear Schrodinger equations, numerical calculation problem *(Chinese)* 2−13730
Nystrom method solution 2−19368
on mapping non-uniform PDE structures and algorithms onto uniform array architectures 2−4969
on the curved elements of Hermite type and their applications *(Chinese)* 2−13718
On the Hardy space H^1 of a C^1 domain 2−8580
once through steam generator, nonlinear mathematical model 2−12488
one-sided problem for a quasi-linear equation of hyperbolic type *(Russian)* 2−4956
orthogonal set/ based on Bessel functions/ of the first kind 2−526
parabolic, finite element method solution 2−13773
parabolic, multigrid method 2−19337
parabolic, numerical weak solution 2−19348

partial differential equations continued
parabolic partial differential equations, solutions 2−24042
parabolic PDEs, approximation in negative norms 2−8697
permanent magnets, two dimensional domains in nonlinear and anisotropic media, mathematical expression based on model *(Italian)* 2−5903
Poisson, finite difference solution and extrapolation 2−13772
Poisson's equation, solution using finite element methods 2−10415
positive difference solutions, convergence *(Chinese)* 2−13725
power systems in self-adjusting regime in active power space, region of existence anal. 2−27403
power transformers, EHV, windings temp. rise and additional losses distribution calculating numerical method *(Czech)* 2−27955
pseudodifferential commutating operators, joined spectrum *(French)* 2−13375
pump-turbine boundary conditions modelling in pumped storage scheme simulation 2−23194
quasi-parabolic initial-boundary value problems 2−24039
reaction diffusion equations asymptotic behaviour 2−509
rotational motion of the short-stator in the single-sided linear induction motor/ 2−4158
scalar potential method for the calculation of the magnetic field in the automotive alternator 2−4106
scattering problem, finite element solution 2−13769
Schrodinger operators, spectrum and continuum eigenfunctions 2−8417
semiconductor structures and devices, physical modelling 2−1329
singularities of sets used in the mesh method 2−19342
small-signal output parameters sensitivity determ. of linear ICs, efficient algorithm *(Russian)* 2−14905
smooth R^n solution 2−13757
solar salt-gradient pond surface convective layer numerical model 2−8765
solid rotor electric machines eddy currents calc. algorithm 2−533
solitons, error estimation computation *(Chinese)* 2−13727
soln. method *(Russian)* 2−4955
squirrel-cage motor starting current calc. differential equations model 2−7853
steam turbine channel turbulence model 2−27731
Stirling engine performance anal. hyperbolic Runge-Kutta model 2−12449
superconducting AC generator digital simulation 2−7834
superconducting alternator magnetic fields calc. 2−4076
synchronous machine conducting plate, EM field, finite difference model 2−19364
synchronous machines, non-salient pole, electromagnetic wave propagation calc. in slots with flat conductors 2−27898
synchronous machines, solid salient pole, asynchronous start-up, electromagnetic thermal and mechanical values calc. *(French)* 2−4050
Taylor transforms determ. method of nonlinear terms *(Russian)* 2−13747
test equations property for finite differences or finite element methods 2−8725
thin shell stress anal. finite element model 2−8729
time-optimal parabolic boundary control problems with state constraints 2−8751
transient thermal analysis of turbo-generator rotor by finite element method 2−4042
transmission problem, numerical solution 2−8750
transport, diffusion approximation *(French)* 2−13722
transverse shear and rotatory inertia effects on nonlinear vibration of orthotropic circular plates 2−8732
tridiagonal linear simultaneous equations, special, fast approximate LU method *(Chinese)* 2−13724
uniqueness as-a-whole of a class of multidimensional inverse problems *(Russian)* 2−13744
unsteady flow computations, cyclic matrices appl. 2−494
water waves diffraction/ around cylindrical obstacles/ 2−172
weighted Sobolev spaces and rapidly decreasing solutions of some nonlinear dispersive wave equations 2−19345
wood plates loaded holes stress finite element anal. 2−8731

partial discharges
AC HV impregnated capacitors, gas generators in dielec. liquids and partial discharges 2−5384
airborne power supply equipment parts, HV surge and partial discharge test 2−17515
calibration of discharge magnitude *(Chinese)* 2−22224
capacitor, partial discharge and insulation strength determ. *(Russian)* 2−9247
detection of partial discharges, limitation rel. to relevant communication theory for system noise and pulse detection in noise 2−9813
dielectric partial discharge monitoring, electrical and acoustic detect. computer-controlled data acquisition 2−11399
electric field research, hyperbolic electrode appls. *(Portuguese)* 2−10409
electrode gas dielectric *(Polish)* 2−14558
energy storage capacitors with liquid impregnated laminate dielec. structures, partial discharge characts. at buried foil edge 2−8022
HV fault location, partial discharge detectors, ultrasonic methods appl. 2−27583
HV micaceous insulants, electrical ageing governing factors and their variations 2−25392
HV overhead transmission line, quad bunch conductors, partial discharge problems *(German)* 2−12267
HV power capacitors, hydrocarbon oil filled mixed dielectric, performance tests 2−14317
hydrocarbon liquids, decomp. by partial discharges 2−5853
hydrocarbon liquids, decomp. by partial discharges 2−15067
insulation void density and size determ. from partial discharge pulse height expt. anal. 2−9822
locating high voltage insulation faults in switchgear 2−23379
measurement and location on gas pipe cables or enclosed switchgear *(German)* 2−27504
mechanism of breakdown of cast epoxy insulation under the action of partial discharges 2−4267
metallic gas dielectric configuration *(Polish)* 2−14557
meter for partial discharge and RFI simultaneous meas. 2−11611
nondestructive, AC current-testing method and measurement equipment 2−7894
polyethylene, low density, cable insulation appls., partial discharge evaluation, 8-channel ATE controlled by real-time microprocessor system 2−11364
polyethylene, partial discharge inception voltage, systematic study 2−9793

partial discharges continued
polyethylene, peroxide cross-linked, cable insulation appls., partial discharge evaluation, 8-channel ATE controlled by real-time microprocessor system 2−11364
polyethylene, tree growth, acoustic emission meas. 2−15044
polymer internal discharge endurance life tests by glass-covered electrode system, freq. accel. characts. 2−25386
power measurement *(Czech)* 2−25369
power plant insulation discharges, RF detection by loop probe 2−26811
power transformers, electromagnetic model for locating partial discharges *(German)* 2−18299
silicone oil layers, behaviour at partial discharge stress 2−5854
synchronous generator laminar insulation system phenomena preceding breakdown under action of strong electric field *(Polish)* 2−23267
transformer oils, influence of SF_6 on elec. behaviour and gassing props. 2−7901
UHV transformer switching overvoltage, calc. method *(Croatian)* 2−14323
wrapped insulation impregnated with liquid N_2, influence of overvoltage on partial discharges 2−15040
He, supercritical, impregnated insulation 2−27524
SF_6 gas impregnated polymer film transformer insulation, partial discharge inception and extinction studies 2−7908

particle accelerator accessories
see also storage rings
analysing magnet, in postaccelerating system *(Rumanian)* 2−11716
betatron electron energy control and stabilisation system 2−27010
electrostatic accelerator design for 50 MV 2−11704
FN tandem accelerator, two-loop beam energy stabiliser 2−11743
high vacuum accelerator tubes, prebreakdown and breakdown processes, review 2−11733
HV pulse generator, high-power, for electron accelerator 2−17226
ion source temporal stability increase for cyclotrons 2−11758
LELA undulator design 2−11710
LINKER, intercomputer communication system for cyclotron facility 2−7245
Marx generator, 720 keV coaxial, rectangular-like output waveforms study 2−22458
NMR magnet regulator cct., search and lock regulation circuitry for accelerator bending magnets 2−11866
NSF, high gradient, high vacuum accelerator tube development 2−11734
periodic accel. tube discharges investigation with capacitative pickup array 2−11737
proton beam injector, 1A current, 100 keV energy 2−11766
Strasbourg MP-10 accelerator upgrading 2−11724
superconducting magnets, end field multipoles, orbit effects 2−25465
tandem accelerator straight field tube, field pattern choice and optical characts. 2−11738
tandem accelerator tube leaking procedure using low voltage arc discharge 2−11735
tritium concentration in tritium targets determ., by beta particles bremsstrahlung recording 2−11759
TRIUMF cyclotron, remote handling maintenance system 2−17198
UHF injector for linear electron accelerator 2−27024
Van de Graaff accelerator, bremsstrahlung characts. and particle trajectories in inclined field tubes 2−11736
C, amorphous and graphitised foils, differences in stripper qualities 2−11746
C stripper foil behaviour in ^{127}I beam 2−11748
C stripper foils, radiation lifetimes and failure mechanisms 2−11745
C stripper foils comparative performance in Argonne FN tandem 2−11747
C stripper foils made by DC glow discharge process, physical props. and structure 2−11744

particle accelerators
see also beam handling equipment; beam handling techniques; cyclotrons; electron accelerators; electron ring accelerators; electrostatic accelerators; linear accelerators; proton accelerators; synchrotrons
beam guidance systems design, ray optics and phase ellipse optics development 2−3315
beam optics design for particle accelerators 2−3336
charged particle beams, post acceleration systems *(Russian)* 2−22469
circular machines, chromatic aberration correction schemes 2−3316
high energy physics scientific value 2−3367
high-energy physics, worldwide organisation, review *(Dutch)* 2−3308
high-energy physics techniques, NATO Advanced Study, St. Croix, US Virgin Islands (July, 1980) 2−13163
ion extraction optics, slot end effect 2−11761
ion-implanter for 'hard' bubble elimination in magnetic bubble memories 2−5913
postaccelerating system, parameters for first analysing magnet *(Rumanian)* 2−11716
relativistic nuclei accelerators, quasi-monochromatic gamma-ray source *(Russian)* 2−17229

particle backscattering
see also electron energy loss spectra
amorphous thin films, study by ion beam nuclear analysis *(French)* 2−589
coal, ash content anal. using annihilation radiation 2−3385
heavy ion backscattering anal., high-resolution spectrometer 2−11874
low energy implant simulation using target tilt 2−5665
Rutherford backscattering spectrometry, automatic beam alignment for channelling meas. 2−11875
SEM backscattered electron image appls. in fracture toughness meas. for glass ceramics 2−8871
semiconductor characterisation problems, chem. analysis techniques, capabilities and limitations 2−9538
silicide films formation, Rutherford backscattering and channelling study 2−582
SOS films with negative and positive interfacial charges 2−5639
variable temperature implantation and anal., medium energy facility 2−5668
Al MBE growth on GaAs, TEM and Rutherford backscatt. study 2−24287
Au foil, $^4He^+$ energy straggling meas. by backscattering technique, foil nonuniformity correction 2−7278
GaAs, ion implanted, Raman scatt. characteris. of changes induced by encapsulation and thermal annealing 2−9433
GaAs-Sn layers, laser annealed, interface struct. and diffusion 2−14699
GaInAs-AlInAs structures grown by molecular beam epitaxy 2−8808

particle backscattering continued
Ge_xSi_{100-x} amorphous layers, heterostruct. fabrication by solid phase growth 2−5006
InAlAs/InGaAs MBE layer structs., ion beam anal. 2−19413
InAlAs-InGaAs interface, MBE, channelling anal. 2−5610
InP:Se, backscattering spectrum, channelling meas. using automatic beam alignment 2−11875
InP:Se, ion implanted, pulsed laser annealing 2−14789
InP:Se^+, ion implanted, Rutherford backscatt. and ellipsometry 2−9560
Na-S cells, β-Al_2O_3 interface resistance study 2−18442
$Pb_{1-x}Sn_xTe$ crystals, Sb-diffused, ion channelling and AES study 2−1293
Si, amorphous films, compositional and structural characterisation techniques 2−25021
Si:As, CW laser and electron beam annealed, Rutherford backscatt. and SIMS anal. 2−25108
Si:As, ion implanted, doping profiles and elec. activation, Rutherford backscatt. study 2−14763
Si:Bi, furnace and laser annealed, backscatt. and channelling anal., depth distrib. 2−25107
Si:Ga, high dose implanted, thermal annealing and elec. activation 2−1297
Si:P implanted wafer, multiscanning electron beam annealing, solar cells appl. 2−14614
Si-insulator triple struct. fabrication by O_2 implantation and epitaxial growth 2−19421
Si-Ni(Pd)(Pt), Schottky barrier heights and silicide formation 2−9499
Si-SiO_2 MOS system, As implants through SiO_2 layer, TEM, Rutherford backscatt. and device charact. study 2−20198
WSi_x-Si:P annealing behaviour, effect on MOSFET IC device fabrication 2−5820
ZnS film, reactively sputtered, struct. and composition obs. 2−608

particle beam diagnostics
accelerator theory 2−17218
antiproton prod. within fixed acceptance, optimisation and efficiency 2−22462
Aurora pulser, high-impedance ion-diode expt. 2−27026
azimuthal drift velocity, radial centre of gravity determ. 2−11717
beam guidance systems design, ray optics and phase ellipse optics development 2−3315
bunched beam, head-tail instability induced by matched kicker magnet 2−3335
charged particle beam intensity monitor 2−17200
charged particle differential collision terms in S_n appl. 2−22464
circular machines, chromatic aberration correction schemes 2−3316
CNEA 20UD tandem accelerator, microcomputer based communication system 2−11740
cyclotron harmonic wave instability on costreaming electron beams 2−7269
detectors, review 2−17279
dosimetry measurement in ion implanters 2−5673
dual grid-type beam scanner 2−11789
duoplasmatron emittance improvement by press. reduction in expansion cup *(French)* 2−3346
electron beam, ang. vel., RMS spread, meas. from synchrotron radiation 2−11721
electron beam noise characteristics in linear accel. 2−27018
electron beam relativistic, annular, diocotron instability 2−3332
electron storage ring, low-freq. transverse charge oscills. *(Russian)* 2−17211
electrostatic ellipsoidal mirror, fast separator for recoiling and highly charged particle 2−11869
EM isotope separator ion optics 2−2083
ETA gun charact. 2−3359
FN tandem accelerator, supercond. linear accelerator booster project status report 2−11732
FN tandem accelerator, two-loop beam energy stabiliser 2−11743
heavy ion beams, laser cooling 2−7268
heavy ion beams for ICF, space charge induced emittance growth 2−3323
heavy ion fusion, transverse emittance requirements 2−3322
in-situ implantation system in ANL HVEM-tandem facility 2−7253
ion accelerator facility for nuclear bombardment target prep. 2−7252
ion implantation, beam optics design, overview 2−1283
ion implantation, correlation between electrostatic scan pattern and local dose nonuniformities 2−5677
ion implantation, dose control technique 2−5678
ion implantation dose uniformity improvement by compensated scan pattern generator 2−5680
ion implantation system with X-Y scanning, sweep freq. optimal, selection 2−5679
JAERI heavy ion tandem accelerator 2−11726
JAERI magnetic spectrograph design for heavy-ion reaction studies 2−3430
linear accelerator, single bunch electron beam radiation loss expt. obs. 2−7251
magnet optics, beam transport for ion implantation processes 2−2089
magnetic spectrograph SPES 4 for particle identification up to 4 GeV/c 2−11870
microtron, particle dynamics numerical calc., accel. field third harmonic effect 2−27017
multiple foil bremsstrahlung sources, theoretical and expt. studies 2−17207
MWPC, low-mass detector as profile monitor for 800 MeV proton beam 2−11779
MWPC as beam scanner 2−11780
neutron beams, target spot localisation using cellulose nitrate SSNTDs 2−3416
optical klystron description and physical mechanism 2−1828
particle induced X-ray emission anal. appl. to analytical problems 2−11882
periodic accel. tube discharges investigation with capacitative pickup array 2−11737
plastic track detectors for studying fast neutron collimators charact. 2−3411
proton synchroton, particle bunches, longitudinal dipole instability 2−17215
proton-proton (antiproton) storage ring, amplitude growth 2−3326
Pulselac C inductive linear accelerator, space charge neutralised ion beam for inertial fusion 2−3324
Rehovot 14 UD Pelletron status report 2−11731
sector magnet, second order image aberration meas. 2−3317

particle beam diagnostics continued
SIMS beam optics 2−2082
SLAC linear collider for e^+e^- physics 2−11723
slow cyclotron waves in tubular electron beams 2−17213
storage rings, electron cooling 2−3338
storage rings, elementary spinor algebra for polarised beam 2−3337
storage rings, nonlinear coherent effects between bunched colliding beam 2−3325
Strasbourg MP-10 accelerator upgrading 2−11724
synchrotrons, internal electron beam angular divergence reduction 2−3341
tandem accelerator, determ. of energy resolution *(Rumanian)* 2−11715
tandem accelerator straight field tube, field pattern choice and optical charact. 2−11738
tandem beam bunching system, design consideration and present status 2−11741
tandem Dynamitron, intense low energy heavy ion beams 2−11771
tandem Van de Graaff accelerator pulsed beam 2−11742
target chamber design for industrial ion implanter 2−5675
TRANSPORT and TURTLE, high energy charged particle optics computer programs/ 2−3319
Van de Graaff accelerator, bremsstrahlung charact. and particle trajectories in inclined field tubes 2−11736
VEPP-4 storage ring absolute energy calibration and ψ, ψ' meson mass meas. *(Russian)* 2−27019
X-ray machine, exposure meas. solar cell appl. 2−27221
XTU tandem Van de Graaff accelerator, progress report 2−11725
XTU-tandem 150 kV injector operation 2−11768
e^+e^- colliding ring, beam-beam luminosity limits 2−17210
D^- beam, high current, production by charge exchange in Na 2−27027
He^+ bunched ion beam, generation and time compression 2−11760
Nb 500 MHz supercond. cavity, expts. at CERN 2−17204
S, highly stripped ions prod. using dual MP tandem facility in accel-decel mode 2−11770
Sc filtered neutron beam using separated isotopes as secondary filter 2−11706

particle beams
see also atomic beams; beam handling techniques; electron beams; ion beams; molecular beams; particle beam diagnostics; particle optics
charged particles stream deformation in magnetic screen field 2−10429

particle counters *see counters*

particle counting
counting of microscopic particles in disperse systems (aerosols, colloids etc.)
aerosols, electro-optical meas., air pollution detection *(German)* 2−3639
oceanographic particle sampler, deep water 2−22734

particle detectors
see also ionisation chambers; particle track visualisation; position sensitive particle detectors
diamond radiation detector, charact. and sensitivity to ^{60}Co radiation 2−17258
GEOS suprathermal plasma analysers for magnetosphere 2−3608
glass particle-detector track diameter and area meas. 2−27049
heavy particles recording, microchannel plate unit charact. 2−3392
high-energy physics techniques, NATO Advanced Study, St. Croix, US Virgin Islands (July, 1980) 2−13163
ion detection efficiencies of Johnston electron multipliers 2−22486
multichannel analysers, use in solid-state X-ray detectors 2−27093
multidetector systems, calibration of spectrometer channels 2−11807
multidetector systems, calibration of spectrometer channels 2−17250
plane radioactive source and spectrometric detector system response function calc. 2−27097
radioisotopic instrument accuracy, optimisation of detector load *(Russian)* 2−3420
review 2−17279
X-ray detectors, solid-state, pulse-processing, electronic techniques 2−27092
^3He counting tubes for neutron detection in intensive γ-ray background fields *(German)* 2−7273
KCl dielectric charged-particle detector efficiency 2−27051

particle focusing *see focusing; particle optics*

particle lenses, electrostatic *see electrostatic lenses*

particle lenses, magnetic *see magnetic lenses*

particle optics
see also aberrations; beam handling techniques; electrodynamics; electron optics; ion optics; particle beam diagnostics
beam guidance systems design, ray optics and phase ellipse optics development 2−3315
beam optics design for particle accelerators 2−3336
circular machines, chromatic aberration correction schemes 2−3316
light ion beam injector, electrically insulated, controlled beam focusing 2−3306
permanent magnet quadrupoles, variable strength focusing 2−3321
rare earth Co permanent magnets, physical and optical props. 2−3320
ray tracing in electrostatic lenses, BASIC computer program 2−25911
second-order magnetic achromat, matrix element vanishing 2−10452
TRANSOPTR, second order beam transport design code with optimisation and constraints 2−3318
TRANSPORT and TURTLE, high energy charged particle optics computer programs/ 2−3319
Li lens for high energy particle beams axially symmetric focusing 2−17201

particle scattering *see particle backscattering; potential scattering; radiation effects; transport processes*

particle separators
dipole magnetic calc. for vel. filter SHIP and fusion expts. computer simulation 2−3432
electrostatic ellipsoidal mirror, fast separator for recoiling and highly charged particle 2−11869
sector magnet, second order image aberration meas. 2−3317

particle size measurement
aerosol, particle size evaluations using multiwavelength extinction meas. 2−27269
crossed-beam laser anemometry method 2−20993
magnetite grain size meas. in sediment cores, rapid method for mag. granulometry 2−17550
pulsed fuel spray drop-sizing technique for time resolved drop size measurements, using He-Ne laser beam diffraction 2−3275
suspensions particle size distribution measurement, computer controlled *(Dutch)* 2−26743

particle sources
see also ion sources; neutron sources; radioactive sources
electron, foilless diodes, analytic and numerical studies 2−1114
electron beam generation systems for materials processing 2−25130
electron beam generator, GW-power, plasma heating appl. 2−11762
HV pulse generator for electron accelerator 2−17226
low energy ground state electron/position cryogenic source 2−22474
piezoelectric pulsed nozzle molecular beam source 2−27028
positron emitters on-line radioassay of clinical sources 2−27029

particle spectrometers
see also alpha-particle spectrometers; beta-ray spectrometers; electron spectrometers; gamma-ray spectrometers; neutron spectrometers; X-ray spectrometers
Axial Field Spectrometer, central drift chamber, gas mixture control 2−11790
beam guidance systems design, ray optics and phase ellipse optics development 2−3315
broad-range particle spectrograph 2−3428
calorimeter trigger system for the ISR Axial Field Spectrometer 2−17300
charged-particle spectrometer for neutron-induced reactions 2−3439
electronic control devices for particle detectors 2−17311
ionisation chamber in Bragg-curve spectroscopy 2−27041
JAERI magnetic spectrograph design for heavy-ion reaction studies 2−3430
magnetic field mapping in large spectrometer magnet, search coil method 2−11592
magnetic quadrupole spectrometer for time-of-flight meas. 2−22507
magnetic reaction particle spectrograph, kinematic effect on characts . 2−3429
magnetic spectrograph ion-optical system, induced aberrations optimisation 2−3431
magnetic spectrograph SPES 4 for particle identification up to 4 GeV/c 2−11870
microprogrammable processor ESOP in the AFS trigger system 2−17301
missing-mass spectrometer for momenta below 1.5 GeV/c 2−3437
plane radioactive source and spectrometric detector system response function calc. 2−27097
Rutherford backscattering spectrometry, automatic beam alignment for channelling meas. 2−11875
segmented calorimeter for high P_t jet expts. 2−3376
semiconductor detectors spectrometric data processing, analogue unit 2−11410
TELAS magnetic spectrometer 2−27094
Si p-type multicomponent telescope for charged particle spectrometry and identification *(Russian)* 2−17314

particle track visualisation
see also bubble chambers; cloud chambers; nuclear track emulsions; scintillation chambers; spark chambers; streamer chambers
bromide atoms branching study in latent ion tracks *(French)* 2−3413
cellulose nitrate, Kodak LR film, ang. sensitivity to α-particles 2−17280
cellulose nitrate plastic track detectors, U and Rn content estimation in soil and plants 2−17284
CR 39 polymer track detectors, neutron dosimetry, sensitivity rel. to etching process 2−3415
CR-39 plastic track detectors, response rel. to etching soln. 2−17281
dielectric detectors, α-particle track autoradiography appls. *(Russian)* 2−7288
drift chambers as track detectors for heavy ions 2−27074
electrostatic imaging of particle trajectories 2−27071
fast modular processor for track reconstruction from wire chamber arrays 2−17295
fission track recorder techniques for fission rate measurements 2−3419
glass, nuclear track detectors, solar eclipse effect on response 2−17283
high energy physics experiment, FAMP multiprocessor system appl., track reconstruction 2−17292
image processing system, coordinate measuring table, microcomputer control *(German)* 2−11354
macrofol fission-track detector for spontaneously fissioning nuclides detection 2−3412
Makrofol plastic track detector, spark counting 2−11848
microprocessor based single board computer for high-energy physics pattern recognition 2−17291
muscovite mica solid-state track detectors, etch-pits, electron microscopy 2−11847
neutron beams, target spot localisation using cellulose nitrate SSNTDs 2−3416
on-line system for track chamber film anal. 2−27073
plastic nuclear track detector electrochemical etching, HV amplifiers 2−27091
plastic track detectors, pattern recognition computing 2−17290
plastic track detectors for studying fast neutron collimators characts. 2−3411
solid state nuclear track detectors, charged particle detection thresholds through range meas. in air 2−22500
solid state track detectors, methods and appls., review 2−17287
solid-state track detectors, neutron dosimetry and spectroscopy appls. *(Czech)* 2−3443
TV filmless method appl. 2−11407
Na_2O-CaO-SiO_2 glass nuclear track detectors, pre-irradiation annealing effect on bulk etch rate 2−17282
SiO_2 breakdown detector, impact ionisation model, fission product detection 2−11846
^{238}U decay constant, dosimetry and standards, fission-track dating workshop 2−7357

particle velocity analysis
see also ion mobility; mass spectrometers; particle spectrometers
charged dust particles, dynamics in elec. field, laser Doppler velocimetry study 2−7217

Paschen-Back effect *see Zeeman effect*

passenger traffic *see traffic*

passivation
alkali halides, optical materials, plasma polymerised films as moisture barriers 2−25475
chemical vapour deposition, used for ICs passivation 2−8831
CVD, microelectronics processing appls. 2−13845
glass passivation technology for high-voltage power transistors 2−14851
IC, avalanche breakdown, bias sputtered glass influence 2−1310
III-V semiconductor, elemental group V deposits in native oxides, surface refl. Raman scatt. detection 2−9580

passivation continued
MOS LSI technology, 1 μm Mo gate with MNOS and Si_3N_4+CVD SiO_2 passivation struct. 2−20418
operational amplifier, total dose radiation resist., nitride passivation effects 2−13982
phosphosilicate glass, reaction kinetics with Al film metallisation 2−14810
polyimide coatings of IC appls. 2−9545
semiconductor structural elements in microelectronics, epoxy compounds and silicones suitability comparison *(German)* 2−14779
solar cell, MOS thin-film, steel substrate passivation with tungsten layer 2−4353
solar cells, polycrystalline, grain boundary passivation effects 2−23623
Al/Cu conductor stripes with polyamide passivation, electromigration 2−14807
Al-PSG (SiO_2)-Si system, interface passivation and distrib. of mobile ion trapping levels *(Chinese)* 2−14701
Al-SiO_2-Si solar cells polycrystalline, grain boundaries passivation 2−12899
BN passivation film, MOST, resistivity, gate charge decay time meas. 2−9660
Ca/$BiO_{0.1}F_{2.8}$ solid-state galvanic cells 2−18429
$Ca_{1-x}R_x/BiO_{0.1}F_{2.8}$ (R=Yb, La), solid-state galvanic cells 2−18429
CdTe solar cells, high efficiency electrodeposited, development 2−28102
n-GaAs, passivation and interface state studies 2−9567
Ge_3N_4-n-GaAs MIS devices, interface characts. determ. 2−14883
HgCdTe, anodic oxide and ZnS passivant films, substrate interaction, XPS and ion sputtering meas. 2−9582
$Hg_{0.7}Cd_{0.3}Te$-anodic oxide interface in MOS structure, charge trapping 2−9513
Li nonaqueous cells, primary and secondary, anode passivation 2−28084
PbO-SiO_2-Al_2O_3 fritted glass, dielec. breakdown and device evaluation 2−15043
poly-Si, H_2 heat treatment for enhancement of minority carrier diffusion length for low-cost solar cells 2−18594
Si p-n-p planar epitaxial transistor, protective passivating coating props. *(Bulgarian)* 2−5692
Si, polycrystalline, solar cell, effect of grain boundaries, review 2−23637
Si polycrystalline MIS solar cell behaviour in H_2 passivation process 2−23620
Si_3N_4-Si, ion beam synthesised passivating layers, XPS study 2−25154
ZnSe (110) oxidation model based on anal. by 21 eV photoemission spectroscopy, contact-potential difference and AES 2−20202
ZnTe (110) oxidation model based on anal. by 21 eV photoemission spectroscopy, contact-potential difference and AES 2−20202

passive attenuators *see attenuators*

passive circuits *see passive networks*

passive filters
adapting delay comb filter for the restoration of audio signals badly corrupted with a periodic signal of slowly changing frequency 2−24586
controlling the overvoltage of smoothing filters of thyristor convertors in mine electric locomotives *(Russian)* 2−28021
design of filter compensation installations for high power distorting loads *(French)* 2−22947
frequency transformations representation by phase-shifters in iterative lattice networks *(German)* 2−816
graphical design/ of input filter/ for solid state AC relay/ 2−996
HF combined band reject filter and trap 2−817
high power DC circuits with T-network smoothing filter scheme *(Russian)* 2−4282
HVDC transmission systems, DC filter ccts. performance and rating 2−7526
IC protection, planar multi-hole capacitor filter for a dual in line package 2−21160
L-C filter networks for transient suppression in mains-operated systems 2−10529
LC ladder four-pole filter synthesis using impedance parameters, TI 58/59 calculator program *(Czech)* 2−19766
magnetic recording, equalization with arbitrary input-arbitrary output LC filters 2−20504
microwave dielectric resonators: past, present, and future 2−9216
microwave filters with dissipative loss, general synthesis 2−19854
multilayer distributed parameter high-pass filter 2−24587
noise filters for semiconductor device technology, operation, construction and characts. 2−6344
noise prevention using EM interference filters, primary types and insertion losses 2−6341
power feedback systems, compensation using controlled rectification *(Spanish)* 2−19546
SAW, 30 MHz, design, fabrication and testing 2−1535
SAW, low loss and high temp. stability, SiO_2/(ZY)$LiNbO_3$ structure 2−9846
SAW, technology developments review, applications 2−1536
SAW bandpass and dispersive filters, performance and appls. 2−1537
SAW broadband filters, realisation 2−9845
SAW channelized receivers for electronic warfare, contiguous filter bank 2−16499
SAW chirp filters, signal processing appls., overview 2−1542
SAW devices with signal processing appls. 2−1534
SAW filter attenuation in pass-band, reduction 2−9141
SAW filter banks for freq. sorting receivers 2−1541
SAW filter for medium-frequency TV, transmission characts. 2−1533
SAW filters, stagger tuning for broad bandwidth and good shape factor 2−15096
ZnO, thin film SAW filter *(Japanese)* 2−9844

passive networks
see also passive filters
2n-pole networks cascade connection, operating double n-pole equations and parameters anal. 2−19496
broadbanding design problems, gain equalisation directly from data 2−19490
Cauer II type passive RC ladder multiport, matrix transfer function realisation via state-space approach 2−674
filter design, book 2−13200
general four-pole networks, from interconnection of two four-pole networks *(German)* 2−24352
L-C-R-T network synthesis, two-pole and 2n-pole realisations, methods *(German)* 2−19514
linear reciprocal passive networks, mathematical inequality and closing of switch 2−669
lumped linear passive RLC networks; exact equivalent ccts. 2−5070

passive networks continued
parallel networks, series connected, amplitude-freq. and phase-freq. charcts. 2−672
parameter measurement using two-channel processors *(Russian)* 2−26924
RC series branch, time constants *(German)* 2−9139
RL-RC n-ports, elementary props. 2−19510
Schlicht networks, unattainable region of power performance 2−13922
submarine cable repeaters, 140 MHz *(Japanese)* 2−21722

patents *see industrial property*

patient care
AbilityPhone terminal for the disabled, microprocessor appl. 2−21671
aids for the disabled, electrical and electronic devices using Braille displays and speech synthesizers *(German)* 2−26339
cardiological service, instrumentation for resuscitation and intensive care departments 2−11951
communication aids for the severely physically disabled, design considerations 2−11953
EMG-reward system for biofeedback training of children, automated 2−17399
Hospital Communications Management System software package for DIMENSION 2000 PBX, patient-care data update 2−6687
integrated monitors for neonatal intensive care, review 2−3504
quadriplegic, severely limited, appl. of microprocessor based environmental control system 2−17402
quadriplegics, low-cost environmental control system 2−22563
wheelchair, microcomputer controlled omnidirectional mechanism 2−17403
wheelchair, powered, proportional speed pneumatic control system with automatic speed control 2−17404

patient diagnosis
see also biomedical ultrasonics; computerised tomography; electrocardiography; electroencephalography; medical diagnostic computing; radiography; radioisotope scanning and imaging; scanning radiography
anaesthesiological measures in operating theatre, range of diagnostic, therapeutic equipment 2−17396
biosignal visualization devices for equipment of cardiology units, CRT oscilloscope development 2−17380
brainstem auditory evoked pots., technical considerations, neonatal neurologic diagnosis appl. 2−3487
conference, biomedical sciences instrumentation, Laramie, WY, USA (April 1981) 2−23887
cytology, ultrafast laser scanner microscope for digital image anal. 2−27133
EEG source derivation, a new method and its importance for clinical-neurological diagnosis *(German)* 2−11920
EM noninvasive flowmetry of blood flow rate, principles, math. models, instrumentation and methods 2−11942
foetal bradicardias automatic diagnosis, using autocorrelation function 2−11931
heart disease detection using non-invasive low cost high fidelity ECG 2−11945
imaging systems today and tomorrow, review 2−3463
laser applications in biology and medicine, overview 2−11890
LEYTAS, use in analytical and quantitative cytology 2−27134
light torch for the transillumination of female breast tissues 2−27125
magnetic tape storage, simplified method for physiological data retrieval and display *(German)* 2−22556
malarial parasite concentration, bench top mag. separator 2−17334
microwave computerized tomography, transmission and refl. techniques, medical diagnostic appls. 2−27161
microwave diagnostic methods, active imaging, derivative radar techniques and appls. 2−27162
microwave radiometer for medical use, automatic E-H tuner 2−17350
neoplasm diagnosis and therapy, haematoporphyrin derivative and laser phot oirrad. appls. 2−17406
NMR, safe technique for medical investigations *(Swedish)* 2−27130
NMR, whole body image reconstruction 2−17377
ophthalmoscope, Stereo 110, of Jena optical works, simultaneous stereo photography 2−7314
ophthalmoscope, Stereo 110 and RETINOPHOT 211, use of colour filters 2−7315
radiothermograph, meas. of intrinsic microwave radiation from human body 2−22550
review of medical imaging methods 2−17345
saccadic eye movement disorders, quantitative evaluation, computerized system 2−27115
SQUID magnetometer detection of magnetocardiogram, clinical magnetocardiology approach *(Japanese)* 2−11901
technical trends in diagnostic imaging, review 2−17361
thermographic images, digital processing in SCOLIOSIS *(Italian)* 2−15875
thermoregulation diagnostics *(German)* 2−17338
TV appl. in X-ray equipment endoscopes *(Italian)* 2−7338
ultrasonic computerised tomography *(Japanese)* 2−17357
ultrasonic equipment design, appl. *(Japanese)* 2−17356
US pulse-echo diagnostics, simulation model for echo patterns 2−11906
US pulse-echo imaging system, speckle characts. of image 2−11905
$Pb(Zr,Ti)O_3$-polymer composite, high freq. appl. 2−22755

patient monitoring
see also electrocardiography; electroencephalography
anaesthesiological measures in operating theatre, range of diagnostic, therapeutic equipment 2−17396
arrhythmia monitoring system, computerised dynamic 3D joint interval histogram display 2−27180
blood pressure, continuous tape-recording, technical considerations 2−22523
blood pressure, indirect, fully automatic portable recording 2−22524
brain, neuron activity dynamics hardware-software complex *(Russian)* 2−27170
cardiological service, instrumentation for resuscitation and intensive care departments 2−11951
dialyser, for rapid intermittent peritoneal dialysis 2−22564
encephalovolumeter, noninvasive meas. of changes in brain volume of cerebral pulsation 2−22529
feet position during human locomotion, monitoring system 2−11886
foetal breathing monitoring, new phase-lock tracking instrument 2−27142
heart rate variability and beat-to-beat intervals, microcomputer-based meas. system 2−17386
heart-rate telemetry, short-distance, capactive, sports and health care appl. 2−11948

patient monitoring continued
heartbeat monitor, using IR sensor, skin refl. change detect. 2−3468
Holter monitoring, review 2−7335
integrated monitors for neonatal intensive care, review 2−3504
intracranial pressure, microprocessor-based monitoring and trending system 2−7312
limb movement monitoring, US microprocessor-based system 2−17360
magnetic field generator, amplitude and phase regulating, for an eye movement monitor 2−27137
magnetic tape storage, simplified method for physiological data retrieval and display *(German)* 2−22556
microcomputer based system, research orientated 2−11884
neuromuscular blockade monitor, microprocessor-based 2−11885
pulmonary performance, non-invasive continuous monitoring 2−27163
rhythmic speech control system, electronic circuits *(Spanish)* 2−27197
systems, criteria for evaluation and selection 2−22527
ultrasonic patient locating system *(Dutch)* 2−7339
visual field examination, instrument for monitoring eye fixation and pupil size 2−27143
CO_2, sensor for noninvasive monitoring 2−3456
O_2, noninvasive transcutaneous monitoring, review 2−3457

patient treatment
see also biomedical ultrasonics; radiation therapy; surgery
anaesthesiological measures in operating theatre, range of diagnostic, therapeutic equipment 2−17396
behavioural medicine laboratory appls. of microprocessors 2−27195
biofeedback devices. selective applications in mental health care 2−27194
blood circulation apparatus, extracorporeal thermoelec. temp. control devices 2−17398
bone, DC stimulation of non-unions 2−11955
cardiological service, instrumentation for resuscitation and intensive care departments 2−11951
dialyser, for rapid intermittent peritoneal dialysis 2−22564
diathermy and cautery equipment, review 2−11949
electrocoagulation, transcatheter, evaluation of anode and cathode 2−17395
forearm musculature, paralysed, controlled prehension and release in quadriplegics by functional elec. stimulation 2−17393
myocardial stimulation with ultrashort duration stimuli, dog expts. 2−11954
neuromuscular system stimulation, elec. currents appl. 2−3505
pacing threshold estimation for heart-electrode combination, graphical method 2−11956
paediatric physiopathological modelling by computer *(Italian)* 2−17405
physiotherapy department equipment 2−11952
RF hyperthermia, practical system 2−3503
transcutaneous electrostimulation, tissue equivalent circuit 2−17397

pattern classification *see pattern recognition*

pattern recognition
see also character recognition; computerised pattern recognition; speech recognition
aircraft classification from radar returns, optimum frequencies determ. 2−7404
algebraic structural representation of shape 2−10722
automatic recognition of signals, spatial interference *(Russian)* 2−21348
closed boundary anal., stochastic models, representation and recognition 2−15933
composite matched filters 2−20977
conference, Oxford, England (Jan. 1980) 2−18853
digital pattern matching, improved technique 2−15852
earthquake/explosion data, pattern recognition of waveforms using autoregressive modeling 2−4825
EEG, quantitative anal., evaluation of a syntactic pattern recognition approach 2−22560
electric power system security assessment, rule-based approach 2−12189
electrical schematics, probabilistic relaxation for automatic interpretation 2−8944
electron beam lithography, pattern recognition technique using sequences of marks and registration 2−25302
EMG pattern discriminator for artificial arm *(Japanese)* 2−27205
epileptic EEG, decision-theoretic and syntactic pattern recognition techniques 2−17389
evoked potential research, appls. of filtering and pattern recognition in signal processing 2−22559
feature selection by discriminant analysis, method evaluation 2−21383
graph isomorphism and homomorphism 2−13539
Hangeul patterns, partial separation for subpatterns, regular U-tree grammar definition 2−10714
holographic pattern recognition methods 2−20976
holography, Dennis Gabor memorial symposium, Haifa, Israel (Mar. 1980) 2−18850
linear recognizable sufficient condition for pattern set 2−15931
locally maximised correlation 2−21389
molten steel temperature measurement signals, appl. of pattern recognition anal. filtering *(Polish)* 2−11653
moving picture anal., hierarchical model based approach 2−10721
multiplexed coherent optical processor for calculating generalized moments 2−21380
optical multiple matched filtering using sampling spatial filter 2−15950
optical system, image recognition in diffraction intensity correlators/ 2−2383
optimal distance measure for nearest neighbour classification 2−15883
opto-electronic liquid crystal bistable device, processing for real-time optical information 2−25557
police appl., conf. at Lexington, KY, USA (1980) 2−2310
pyramid model for description and processing of images 2−10723
robot position control using TV image processing 2−21988
scanning optical data processor 2−6474
signal classification for automatic industrial inspection 2−8296
skin sensitivity to spatiotemporal patterns, computer-controlled tactile matrix using piezoceramic transducers 2−26710
syllabic hypothesization in continuous speech 2−26102
thinning algorithms, critique and methodology 2−21382
three-dimensional object recognition, depth meas., use of time-coded parallel planes of light 2−10720
visual prosthesis, image processing algorithms 2−11967

Patterson diagrams *see crystallography; X-ray crystallography calculation methods*

payroll *see salaries and wages*

p.c.m. *see pulse-code modulation*

p.c.m. links *see pulse-code modulation links*
PD control *see two-term control*
peaking circuits *see differentiating circuits*
Peltier effect
$Al_xGa_{1-x}As$ epilayers, mm thick, Peltier-induced LPE and compositional control 2−4986
PEM effect *see photoelectromagnetic effects*
Pendellosung fringes *see X-ray crystallography*
penetration depth (superconductivity)
flux free environment creation, superconducting shieldings 2−1674
multifilamentary superconductor, hysteresis losses in superimposed DC and AC mag. fields 2−9884
tunnel junction low β_c, with magnetically suppressed crit. currents, I-V characts. 2−1612
Nb_3Sn, EM props. calcs. 2−9897
V_3Ga, tape, superconducting shielding tube test 2−2163
pentary algebra *see algebra*
perception (hearing) *see hearing*
performance index
see also control systems; reliability; sensitivity
design of decentralised load-frequency regulators for interconnected power systems 2−22845
Luenberger type observer-controller design, single machine infinite bus power systems 2−3681
power system, real-time state estimation algorithm 2−7509
peripheral equipment (computers) *see computer peripheral equipment*
permanent magnet motors
1 HP ferrite hysteresis motor with 1-phase and 2-phase excitation, performance evaluation 2−18286
AC machine analysis with unbalanced terminal constraints by d-q harmonic balance 2−12591
AC machines, transient performance 2−18178
computation of a DC brushless motor with rare-earth cobalt magnets and controlled power electronics 2−4221
DC, moving coil and slotted armature designs performance limitations 2−18271
DC, with controllable electronic commutators, steady-state behaviour anal. 2−18270
DC motors, annular permanent magnet, demagnetising stability 2−18269
DC permanent magnet machines, electronically commutated, digital simulation of power conditioner-machine interaction 2−27939
electrohydraulic servovalve modelling *(French)* 2−7959
electronic-motor convertor aggregates operation computer simulation *(French)* 2−27901
FHP, transistor control for high-torque drive systems *(German)* 2−7882
finite element anal. appl. for elec. machine design 2−18176
high field synchronous, performance anal. 2−12623
high power synchronous, rotor design 2−12622
high-field, performance characts. comparison for different magnet materials 2−18211
impact of slot harmonics on losses of high-speed permanent magnet machines with a magnet retaining ring 2−23272
induction motors, polyphase and single-phase, calc. using finite element anal. 2−18251
ISOSYN permanent magnet synchronous motors, design, performance and applications 2−18213
linear synchronous homopolar, magnetic field calc. finite element model 2−12615
linear synchronous homopolar, magnetic field calc. finite element model 2−12616
low-voltage, statistical destructive testing, insulation/component quality 2−23327
magnetic field and transient calc., conf. at Athens, Greece (1980) 2−23240
magnetic field distribution in two dimensional domains in nonlinear and anistropic media determination by finite element analysis, permanent magnet DC motor appl. *(Italian)* 2−10420
multistacked permanent magnet generators−the relation between output and magnet characteristics 2−18215
numerical magnetic field anal. using finite elements 2−23263
optimal winding design of a permanent magnet motor for self-controlled inverter operation 2−7821
polyphase AC motors, methods of testing 2−18177
polyphase synchronous, performance anal. 2−12626
rare earth cobalt synchronous, rotor design 2−12625
rare earth magnet air turbogenerator 2−18175
rotor-position-controlled permanent magnet synchronous machines for electrical vehicles 2−23279
selection of permanent magnet material in axial-field electric vehicle traction motors 2−13015
small and special electrical machines, conf. London, England 22-24 Sept. 1981 2−12581
small electric machines design and anal. techniques applications for small aircraft 2−13649
speed control circuit 2−4029
synchronous, electronically operated, magnetic field model 2−4061
synchronous, rotor design 2−12624
synchronous, slotting effect field anal. 2−12621
synchronous doubly-salient couplers, characts. prediction 2−12629
synchronous motor drive with current source invertor, steady-state anal. 2−12978
synchronous motors, digital computer simulation of dynamic performance 2−18217
three dimens. finite element solution 2−15207
$SmCo_5$ 60 kVA permanent magnet starter generator system for aircrafts 2−17501
permanent magnets
acicular particles, coercivity and packing density 2−15210
Alnico 5 with Nb additions, columnar, permanent mag., mag. props. 2−9865
analysis of magnetic fluxes of tubular cylindrical permanent magnets *(Russian)* 2−25439
anisotropic permanent magnets, force anal. 2−15104
ceramic, adhesive bonding 2−5904
ceramic-magnet duplex loudspeakers, time-aligned system, monitor system appls. 2−16730
checking characteristics/ of permanent magnets/ of complex shape/ made from R-Co materials in impulse fields/ 2−1577
permanent magnets continued
electric machines, mag. fields, permanent magnet effect, vector pot. finite element anal. 2−15208
electrical machines, mag. fields, three-dimens. finite element soln. 2−15207
hard permanent magnet development trends and their application to AC machines, review 2−15213
levitation system with indifferent or weakly unstable characteristics 2−5905
linear magnetostatic U-shaped systems, anal. calcs. 2−10421
magnetic quality control measurement methods for permanent magnets 2−3260
mischmetal-Co-Cu-Fe-Mg alloys, mag. props. for permanent magnet application 2−20521
periodic magnets for undulators and free electron lasers 2−6316
permanent magnet quadrupoles, variable strength focusing 2−3321
rapid transmit systems, dynamic behaviour of controlled permanent lift magnets *(German)* 2−23681
rare earth Co permanent magnets, physical and optical props. 2−3320
rare earth-Co permanent magnets, applications, review 2−15205
review of developments 2−5902
synthesis of magnetic systems using permanent magnets and piece parts with fixed permeability *(Russian)* 2−20520
time dependent 2D mag. fields, numerical anal. 2−15608
torque coupling, new types 2−15206
two dimensional domains in nonlinear and anisotropic media, mathematical expression based on model *(Italian)* 2−5903
Co-rare earth high grade permanent magnets and appls. *(German)* 2−20518
Co-rare earth permanent magnets, materials and appl. *(German)* 2−20519
Cu-Fe multifilamentary composites, in situ formed, mag. hysteresis loops 2−5901
Fe-Cr-Co-Si (27, 17.5, 1 wt.%), mag. and struct. transitions, mag. props. 2−15211
Fe-Ni-Al alloy YuND4 magnets, cooling rate rel. to mag. props. 2−15129
Fe-Pd (18 to 52.5 at.%) alloy, mag. props., by mag. meas. and X-ray diffr. 2−9866
Mn-Al-C, permanent mag., magnetisation props., −50 to 150°C 2−15110
SF_6 insulated equipment fault sensors 2−18396
Sm-Co permanent magnets, hexapolar mag. configurations *(French)* 2−1576
$SmCo_5$ magnet, for portable NMR spectrometer, props. 2−15209
$SmCo_5$ permanent magnets, deform. sintered, struct. and mag. props. 2−15212
$SrOxFe_2O_3(SF\uparrow)$, magnetic properties determ. by new method *(Croatian)* 2−11598
permeability
epoxy resins, water vapour absorption and permeability characts. 2−15072
permeability (magnetic) *see magnetic permeability*
permeability measurement (magnetic) *see magnetic permeability measurement*
permittivity
see also electric strength
absorbing systems with solid dielectrices 2−14280
asymmetric plane inhomogeneous dielec. waveguide synthesis, permittivity normalised distrib. *(Russian)* 2−10014
ceramic dielectric for capacitor 2−20430
dielectrics, loss tangent, permittivity, measurable values for waveguide microwave methods 2−25367
electroreflectance meas. in vacuum UV region using digital detector systems and H discharge tube for obtaining dielectric constant changes *(Japanese)* 2−17151
fibre ring interferometer, phase shift fluctuations between opposite waves 2−20665
insulating hydrocarbons, strong current injection under high electric fields 2−9771
liquid crystal guest-host displays, dielec., electro-optical, and phase change props. 2−7163
liquid crystal materials for field-effect electro-optical devices 2−11554
loss tangent, permittivity, measurable values for waveguide microwave methods 2−25367
MIC, covered microstrip, CAD, impedance and effective dielec. constant, empirical formulae 2−24716
microemulsions and lyotropic liquid crystalline mesophase, dielectric props. 2−9758
p-n junction, dielectric constant, position depend., elec. field and charge density effect 2−14677
polysulphone circuitry for HF appl., microwave dielectric props., multilayer prod. 2−19933
polyvinylidene fluoride, piezoelec. and pyroelec. effects 2−5849
porous materials, impregnation with liquid dielec., elec. behaviour, relative permittivity determ. 2−1479
propylene carbonate, DC conductivity, permittivity and dielec. relaxation of supercooled liquid, 5 mHz to 5 MHz 2−1480
quartz filled bisphenol epoxy HV DC insulation, effects of quartz fillers 2−5867
rectangular dielectric waveguides, single and coupled, anal. 2−909
semiconductor diode struct., permittivity temp. depend. influence on current-voltage characts. 2−20220
semiconductor nuclear radiation detectors, carrier trapping, current transport 2−9393
semiconductors, inhomogeneous, elec. cond. and permittivity near percolation threshold 2−5574
tetrachloromethane, polymorphism, DSC, DTA, and permitt. meas. 2−7194
TGS powder-silicone rubber composite, ferroelectricity 2−20451
tropospheric duct attenuation field, refractive index fluctuations effect 2−25950
Al-SnO_2-Al, thin film capacitors, dielectric loss and constant 2−14314
As-Ge-Te glasses, pure and doped, elec. and dielec. props. 2−9461
As_2Se_3, glassy, HF dielec. props. 2−1202
$Ba_xSr_{1-x}TiO_3$ films, microwave dielec. props., broad phase transition 2−25381
$Bi_4Ti_3O_{12}$ ceramics, grain oriented, fabrication and elec. props. 2−13855
Cu_2O Schottky-barrier solar cells, minority carrier diffusion length meas. for Cu-Cu_2O functions 2−23611
Ge, optical waveguide field distrib. and harmonic generation 2−25838
Ge_3N_4-GaAs MIS devices, elec. characts. and memory behaviour 2−25091

permittivity continued
KH_2PO_4, dielectric props., conduct., multilayer capacitor, electrooptic study 2−9755
$Mn_{0.5}Zn_{0.5}Fe_2O_4$, polycrystalline, permittivity, conductivity and dielectric relax. 2−5573
$PbZrO_3$-$PbTiO_3$:MnO_2 solid solns., piezoelec. props. rel. to chem. comp. near morphotropic phase transition 2−5845
$Pb(Zr_xTi_{1-x})O_3$:$Nb^{5+}(Sb^{5+})$ ceramics, wet or dry method prep., struct. and piezoelec. props., effect of initial Pb content 2−5844
V_2O_5, inhomogeneous, elec. cond. and permittivity near percolation threshold 2−5574

permittivity measurement
accuracy improvement of meas. in coaxial channels 2−17101
bounded structures, permittivity determ. using time-filtered data from antenna-near-field meas. 2−26943
circuit for meas. dielectric const. over wide range of freq. 2−7186
complex permittivity of soil and water mixtures, using evanescent waveguide technique at 9 GHz 2−26938
composite hole conditions on complex permittivity measurements using microwave cavity perturbation techniques 2−22356
computerised meas. system for frequency range 0.1 to 300 MHz 2−22071
determination of complex dielectric constant in the microwave region by a quasi-optic method *(German)* 2−22353
dielectrophoretic levitation, electrode geometries 2−7192
disperse materials, complex permittivity determ. in microwave range 2−17103
ellipsometric model for investigating electrode processes in gas discharges 2−9350
ferrites EM parameters meas. at UHF, by comparison method 2−17100
Fourier transform dielectric spectroscopy utilizing real-time operating system, permittivity meas. appl. 2−11588
HF liquid, computerised system characts. 2−22351
inhomogeneous lossy dielectric slab, diagnosis by EM probing *(French)* 2−22358
liquid helium-4 Clausius-Mossotti function, dependence on temp. and electric field strength 2−3247
liquid materials, microwave reflection meas. in waveguide T-junction 2−11589
liquid N_2 Clausius-Mossotti function, dependence on temp. and electric field strength 2−3247
liquids, electrode polarisation effect on meas. error 2−17099
local dielec. const. meas. for thin slab-like materials, microwave freqs., open coaxial-line resonator appl. 2−26942
microwave bridge method for meas. complex permittivity of liquids 2−17096
microwave complex permittivity meas. of lossy materials using cylindrical TM_{010} cavity perturbation techniques, precise calcs. and meas. 2−7187
microwave dielectric resonator method 2−5347
microwave freq., microprocessor-based system 2−22360
polyethylene, molten state, elec. conductivity, dielec. const. and viscosity meas. in high field 2−5828
polystyrene, molten state, elec. conductivity, dielec. const. and viscosity meas. in high field 2−5828
polyvinylidene fluoride, molten state, elec. conductivity, dielec. const. and viscosity meas. in high field 2−5828
propylene carbonate, DC conductivity, permittivity and dielec. relaxation of supercooled liquid, 5 mHz to 5 MHz 2−1480
radial-line shaped materials 2−26940
resonance method using cavity resonators and dielectric rod effect on reson. freq., anal. *(German)* 2−10539
RF permittivity meas. of biological tissues with open-ended coaxial lines 2−22541
RF permittivity meas. of biological tissues with open-ended coaxial lines 2−22542
semiconductors, using spherical microwave cavities 2−3262
sheet dielectrics, slightly absorbing, dielec. const. meas. using open resonator 2−17102
solids, low frequency dielectric constant meas. technique allowing for effect of stray capacitance 2−7191
thin film microwave meas. by input impedance method 2−11591
thin plate material, using tuned window in microwave range 2−11590
waveguide interferometer, for dielec. permeability meas. 2−17097

personnel
see also education; management; teaching; training
2000kW experimental wind turbine at Boone, USA, local residents' problems 2−3993
component removal in radioactive areas with minimum operator exposure *(German)* 2−12370
electronics industry, work environment, facilities strategies, management aspects 2−4604
electronics skill shortage increases industry's problems in Britain 2−18941
extended shields on substations of 400 kW and above 2−18300
Finlands electricity supply industry personnel development for improved performance and cooperation skills *(Finnish)* 2−18881
fuseless powerstation installations from the view of the user *(German)* 2−12412
future of cryogenic technology in india and role of engineers 2−8199
Gelderland 600 MW dual coal/oil-firing power station, technical details and environment protection measures *(German)* 2−27686
machine protection, scientific, practical and regulatory aspects *(French)* 2−23238
manufacturing organisation with limited manpower, design and process planning *(Swedish)* 2−8251
microelectronics employment, implications of university faculty and graduate student shortages 2−8156
microelectronics engineers, manpower shortage problems 2−8173
nuclear plant outages, minimum downtime and radiation exposure 2−27627
nuclear power generation developments and staff training educational programme in Yugoslavia *(Croatian)* 2−27621
nuclear power plant safety, human factor considerations *(French)* 2−23056
nuclear power plant training simulators 2−23035
nuclear power station, Swiss programme *(German)* 2−23005
nuclear power stations, maintenance personnel radiation exposure reduction measures, economic evaluation *(Russian)* 2−17858
nuclear power technology in Nigeria, manpower availability assessment 2−27622
nuclear reactor operator training, full-scope simulators by British CEGB 2−23044

personnel continued
performance appraisals of staff, relationship to personnel managerial decisions 2−13210
power equipment grounding and personnel protection in cement plants 2−17765
power plant operating personnel aptitude testing and results evaluation *(Slovak)* 2−23926
power station simulator for training operators, Soviet Union 2−12322
power system simulator for training of dispatchers, functional requirements 2−3721
power systems with earthed neutrals in electric plants, personnel protection against indirect contact *(Portuguese)* 2−12305
protection against electric shocks on unearthed networks using current operated earth leakage circuit breakers *(Hungarian)* 2−58
protection against electric shocks through indirect contacts on networks using TN system *(Portuguese)* 2−50
protection against electric shocks through indirect contacts in TN systems, voltage drop limitation method *(Portuguese)* 2−8224
protection under second fault conditions against indirect contacts in electric plants using IT system *(Portuguese)* 2−23961
researchers in electrotechnology, profile 2−7
respiratory hazard protection in a radioactive environment 2−27629
technical aid project in developing country, case study 2−8204
TV producers in quality broadcasting, effect of new technology 2−6899
VLSI industry, engineer shortage and possible solns. 2−8208

PERT
see also project engineering
No entries

perturbation techniques
see also control system analysis; control system synthesis
area decomposition for electromechanical models of power systems 2−22855
dual time scales in a wave problem governed by coupled nonlinear equations 2−13797
exit problem for small random perturbations of dynamical systems with a hyperbolic fixed point 2−13377
flight control, piloted simulation of an on-board trajectory optimization algorithm 2−11989
loaded coaxial cable propagation coeff. calc. appl. *(Japanese)* 2−6734
Markov chains, singular perturbation approach to modelling and control 2−263
Markov chains, singular perturbation approach to modelling and control 2−13499
nonlinear differential eqn. soln., perturbation solution for $d^2y/dt^2+y=a+\epsilon y^2$ 2−512
optimal stochastic scheduling, perturbation anal. of system of quasi variational inequalities 2−384
periodic ferrite slab waveguides, anal. using perturbation method 2−2175
singular perturbation results for class of stochastic control problems 2−385
singular perturbations in L^p spaces, Dirichlet problem *(French)* 2−13507
synchronous motors, miniature, current-fed, double-stator, speed oscillations anal. using steady-state methods 2−18212
Fe effects on toroidal conductor, magnetostatic field calcs. 2−15609

petrol engines *see internal combustion engines*

petroleum industry
automation of synchronous drives for a reliable operation of electrical equipment in catalytic cracking points *(Russian)* 2−18824
cable terminations for North Sea oil platforms 2−22920
capacitor applications in petroleum and chemical process industries 2−14320
cogeneration potential for enhanced oil recovery in USA 2−23115
control gear for offshore oil platforms, safety and reliability requirements 2−23398
distillation energy consumption, closed loop optimisation using computer control package 2−23835
electric motor drives for offshore oil and gas platforms, design problems 2−23661
electrical equipment for North Sea oil platforms, design problems 2−23836
electrical system for oil and gas processing terminal, design aspects 2−23837
energy savings in industrial systems using combined steam and electrical generation, appl. to major refinery 2−18819
gas turbines for offshore production platforms, power generation and gas reinjection 2−7742
gas turbines for offshore production platforms 2−7741
geological prospecting in China, telemetry appl. 2−12065
Industry Applications Society meeting, conf., Philadelphia, PA, USA (Oct. 1981) 2−13164
microprocessor-based Doppler sonar current profiler 2−3625
offshore microprocessor-based US device 2−3304
oil reservoir modelling, variational techniques 2−430
oil-reservoir engineering, fluid-flow monitoring using EM probing 2−7440
organic Rankine cycle systems for waste heat recovery in refineries and chemical process plants 2−23833
production operation of submersible pumps with closed-loop adjustable speed control 2−8119
static induction motor drive capabilities for the petroleum industry 2−18248

petroleum refining *see oil refining*

p.f.m. *see pulse frequency modulation*

pH control
automated neutralisation of acidic or alkaline effluents *(Russian)* 2−26985
Detroit Edison power plant wastewater treatment systems, startup and operating experiences 2−23135
nuclear boiler tube denting corrosion limitation by isothermal soaking 2−3853

pH measurement
electrode design. for overcoming calibration problems 2−11447
temperature-compensating pH meter 2−11502
Si-SiO_2-electrolyte structures, interface state props. depend. on pH 2−20141

phase angle meters *see phase meters*
phase changers *see phase convertors*
phase changing circuits
see also phase convertors; phase shifters
output circuit conductance, phase changers with modulation *(Russian)* 2−18316
sine-cosine rotary transformer with RC-circuit, phase changer *(Russian)* 2−18319
three phase oscillation generator, using flip flop, power invertors *(Italian)* 2−9165
phase comparators
CMOS LSI frequency synthesizers, HEF4750, design problems 2−13997
CMOS type 4046 micropower PLL, for phase lock indication *(Italian)* 2−776
frequency deviations comparator, on basis of phase detection 2−17087
MZK 105 logic cct. appl. *(Czech)* 2−5319
PLL, elementary analytical anal. *(French)* 2−14032
phase conjugation (optical) *see optical phase conjugation*
phase-contrast microscopy *see microscopy*
phase control
asynchronous drive, thyristor-fed, group supply voltage quality evaluation 2−18639
asynchronous drive with thyristor voltage regulator, design calc. 2−18638
crystal oscillator, Loran-C system appl. 2−3239
dedicated-microprocessor scheme for thyristor phase control/ of multiphase convertors/ 2−4288
induction motor, power consumption reduction by current flow control system 2−4122
invertor, self-commutating, lead angle control range *(Russian)* 2−12716
pulse balance in the phase control system of the thyristor convertor *(Russian)* 2−4298
satellite microwave solar power transmission and reception system 2−18527
shift circuit, using all-pass filter with RC-pump element *(Rumanian)* 2−24622
three-phase short circuits, phase control limits *(Slovak)* 2−18324
thyristor phase control ccts., RFI generation and suppression 2−8985
thyristor reactive power compensator, for fast-varying industrial loads 2−28023
triac phase control, double slide projector brightness on change-over *(German)* 2−19751
triacs firing phase angle control 2−7919
VMOS FET ccts. for direct and reverse phase control *(Spanish)* 2−25253
phase convertors
see also phase changing circuits; phase shifters
advantages of slipping delta-connected circuits in multiphase converters *(Russian)* 2−4280
output circuit conductance, phase changers with modulation *(Russian)* 2−18316
sine-cosine rotary transformer with RC-circuit, phase changer *(Russian)* 2−18319
single phase traction drive with solid rotor induction motor and synchronous phase convertor 2−12991
static single to three phase convertor, circuit and operational anal. 2−28024
U706D IC thyristor drive unit for industrial control equipment *(German)* 2−12722
phase diagrams
II-V compounds, physical and chemical props., and applications 2−14670
III-III-V-V quaternary layers grown by LPE, thickness calc., appl. to InGaAsP 2−24300
As_2Te_3-InSe, thermoelectrical props. 2−5586
In-Se system, phase diagram 2−558
$InAs_{1-x-y}P_xSb_y$, LPE growth on InAs substrate 2−19419
InGaAsP grown by LPE, layer thickness calc. 2−24300
InGaAsP lattice, matched to InP, growth and charact. review 2−8812
$TlBiSe_2$-PbSe, electrophysical props. 2−5585
phase equilibrium diagrams *see phase diagrams*
phase-locked loops
AEG-Telefunken freq. dividers, divider ratio effect on phase-locked loop behaviour *(German)* 2−19810
AF constant amplitude synchronised sinusoidal signal generation appl. 2−779
AFC approx. method of investigating dynamics 2−783
AM/FM PLL synthesizer for 4-band radio receivers 2−2892
AM/FM tuning systems using PLL frequency synthesis, Mitsubishi Electric product 2−19603
audio-frequency counting, simple add-on unit, construction details 2−781
automatic frequency control with a microprocessor 2−784
carrier recovery, 16 QAM digital microwave link appl. *(Japanese)* 2−19598
carrier tracking loop performance in the presence of strong CW interference/ 2−778
chirp radar signal upconversion 2−2826
clock generator using PLL, auto-reference signal provision 2−24448
CMOS type 4046, for phase lock indication *(Italian)* 2−776
contouring NC, phase-locked DC servo system, processor appl. 2−13117
demodulation of binary FM in a high noise environment 2−6395
digital, for generating freq., discriminating digital words 2−24457
digital, jitter suppression 2−9048
digital, review 2−24458
digital phase sensitive detector, microcomputer-based 2−5152
digital phase tracker for use in fibre interferometer 2−6017
digital phase-lock AFC systems, input noise correl., anal. 2−9047
dual-mode, stereo or three channel broadcast demultiplexer appl. 2−16614
EIP 575/578 source locking microwave counter, microprocessor control, multifunction test equipment 2−16804
electronic intelligence receivers, microwave freq. sources, low-noise types, PLL appls. 2−16500
elementary analytical anal. *(French)* 2−14032
frequency multiplier with PLL synthesizer *(German)* 2−897
frequency stabilisation circuit for GHz range *(German)* 2−9022
frequency synthesis, closed loop control system *(German)* 2−9016
full decision feedback phase-locked loop, microprocessor-based implementation 2−14035
Gunn diode oscillator control, portable caesium standard appl. 2−17142
HF and microwave generators with low phase noise, test methods *(German)* 2−9045
phase-locked loops continued
induction motor triac speed control, PLL techniques and transfer functions 2−4185
induction motor variable-frequency speed control using PLL technique, time domain model and digital simulation 2−12758
land mobile SSB receivers 2−16402
lock-in amp. using a 4-quadrant analog multiplier and a PLL 2−6445
mains failure rapid detection unit 2−7582
microwave generator power addition using coupled phase-locked automatic control ccts. 2−19860
mobile radio, fast fading, digital PLL with phase-step input, perform. 2−11004
monolithic tone decoder chips using PLL principle 2−14026
multiphase controlled rectifiers, appl. of IC U 706 D *(German)* 2−712
NE 567 PLL, appl. to synchronising switching power supplies 2−8969
noise property analysis, mathematical and graphical techniques 2−14024
one-shots KO pass drivers in low-power motor-speed control 2−18259
phase unstable PLL for stable FM modulator 2−26079
phase-locked loop control schemes of linear and nonlinear DC motors 2−4223
phase-locked loop DC motor drive with improved transient performance 2−18268
proportionally integrating active filter type, synchronisation time 2−14033
pull. in range determ. 2−14027
pulse phase-lock AFC systems, input noise correl., anal. 2−9047
reflex klystrons frequency stability study using phase lock technique 2−9362
second-order, pull-out frequency 2−19595
solids concentration and flow meas. of slurries and sludges using US sensors 2−11668
synthesiser appl. *(German)* 2−19596
synthesizer appl. *(German)* 2−21998
timing ccts. for PAM system repeaters, jitter accumulation analysis 2−10618
timing recovery in repeater chains, PLLs with integrating and non-integrating loop filters 2−19594
voltage controlled oscillator, and phase locked loop, description and operation *(Croatian)* 2−9019
GaAs FET receiver for 12 GHz satellite TV broadcasts 2−21951
phase measurement
see also phase sequence indicators
calibrator, with linear conversion of controlling code in phase shift 2−7179
fibre-optic interferometer, accurate phase-meas. system 2−6030
frequency response, analyser instrumentation, microprocessor control, single sinewave stimulation, Solartron 1250 2−26717
heterodyne phase meter with phase time resolution of 1 ns *(German)* 2−3208
HF and microwave generators with low phase noise, test methods *(German)* 2−9045
infra LF periodic signals, harmonic analyzer design *(Russian)* 2−22211
infra-LF balanced harmonic analyzers for periodic signals *(Russian)* 2−22212
LF phase tester, using ICL 8038 sine wave generator *(German)* 2−26932
LF phase-sensitive phase-shift indicators, error anal. *(Russian)* 2−22345
minimum distance decoding, for ambiguity removal from cyclical measurements *(Russian)* 2−2255
optical phase measurement by phase-modulated single sideband detect., integrated optics appl. 2−7225
phase-angle voltameter meas. of noisy signals 2−11509
phase-to-voltage converter using combinational logic 2−9195
power factor standard using digital waveform generation 2−12320
quadrature device, wide-band, 25 to 25000 Hz 2−17089
small phase difference meas. 2−17090
turbogenerator monitoring, shaft vibration and direct phase angle meas. *(German)* 2−27654
vector analyzer measures phase, impedance and group delay from 10 Hz to 50 MHz 2−16807
phase meters
AC switch rupturing capacity test phase meter *(Polish)* 2−18387
amplitude-phase meter, wide-range, two-channel, errors analysis 2−26883
digital phase meter 2−3179
four quadrant IC phase angle meter design 2−3193
heterodyne phase meter with phase time resolution of 1 ns *(German)* 2−3208
HP model 4192A LF impedance analyser with gain-phase meter 2−16792
logic circuit phase meter, for educational use, employing op amps 2−11522
NBS phase angle calibration standard, with auto-zero feedback compensation 2−11324
phase-angle measurements with synchronised clocks, principle and appls. 2−22825
range extension, of meters with discrete orthogonal processing 2−26884
phase modulation
see also phase shift keying
band-limited satellite channels, convolutional code and signal waveform design 2−2764
CPM signals, symbol error probability bounds for Viterbi detection 2−15890
fibre optic multiplexed telemetry system for UHV transmission 2−2799
FM-CW radar, phase modulation by driving microwave antenna *(Japanese)* 2−16501
holographic near-real-time displays using electronic recording 2−10384
on differential detection of partial response continuous phase modulated signals 2−2360
optical fibre, single-mode, subjected to controlled vibr., integral phase modulation props. 2−20619
phase-amplitude modulated signal reception, noise immunity and dynamic error estimation 2−10700
signal space codes, min. Euclidean distance 2−21279
SW data transmission systems, digital signal synthesis for frequency-differential phase modulation process *(German)* 2−2664
VHF communication link, combined amplitude-phase modulation 2−2726
phase regulation *see phase control*
phase sequence indicators
phase detector and sequencer 2−17780
phase shift circuits *see phase shifters*
phase shift keying
40 MHz bandlimited nonlinear QPSK satellite channel uplink noise effect simulation 2−6806

phase shift keying continued
adaptive IF equaliser for 90 Mb/s 8-phase DPSK radio system 2−2669
additional data channel using PSK preserving compatibility of AM broadcasting *(German)* 2−10623
band-limited nonlinear satellite channels with M-ary PSK, decoding with approx. channel statistics 2−10605
binary differential system, direct sequence/frequency hopped, susceptibility to jamming 2−6388
canonic receiver analysis for M-ary angle modulations in Rayleigh fading environment 2−26439
coded 8PSK signaling performance for satellite communications, computer simulation 2−2288
coherent detection of frequency-hopped QPSK and QASK systems with tone and noise jamming, bit error probability 2−10646
coherent phase shift keyed systems, probability of error in systems with intersymbol interference and additive noise 2−2248
coherent PSK and DPSK systems performance in impulsive and Gaussian noise environment 2−26137
constant envelope signalling with reduced spectral sidelobes 2−2251
convolutional coding and Viterbi decoding with noncoherent CPFSK, simulations 2−10637
correlative coding scheme description by MSK with intersymbol interference 2−2285
CPSK signals fading, in Gaussian and impulsive atmospheric noise environment, error probability 2−6429
differential PSK demodulators, low-loss delay filter 2−14288
digital DPSK modem for 80 kbit/sec full-duplex data transmission on subscriber loop, design and simulation 2−24451
digital land mobile radio systems using min. shift keying with differential detect., transmitter diversity 2−11000
digital large-capacity radio systems using 16QAM and 8PSK modulation, RFI, outage 2−26425
digital microwave links with PSK modulation, equipment considerations for modern systems 2−16335
digital mobile radio systems, PSK digital modulation methods in Rayleigh fading environment and presence of co-channel interference 2−2708
digital radio systems, freq. usage and modulation techniques, appls. 2−6748
digital radio systems using PSK and FSK modulation, transmit filters, required bandwidth 2−2663
digital radio techniques, multipath fading performance comparison 2−6749
digital satellite communications, unique word detection method and its error rate performance 2−21795
direct differentially coherent four-phase PSK demodulation, waveguide filter delay element 2−24461
direct sequence spread spectrum system with long period and short period code sequences, QPSK/BPSK spreading for noise and jamming 2−2671
DPCM codecs for PSK voiceband data 2−21305
dual-gate MESFET SHF broad-band active phase-shifter 2−5354
dynamic programming algorithm for phase estimation and data decoding on random phase channels 2−15834
error rate computation in CPSK system 2−10619
full-duplex data transmission system operating on subscriber loop, design and simulation 2−10890
gray code generation for MPSK signals 2−10636
high-power QAM signal generation with nonlinear amplification 2−2250
INTELSAT V and VI type TDMA/QPSK system, computer simulation 2−21809
interference cancellation cct., design and performance 2−21120
Japan's communication satellite, PSK signal transmission experiments *(Japanese)* 2−16421
L-DCPSK radio links, multipath propag. interference, availability anal. 2−26385
M-ary direct sequence spread spectrum communication, optimisation of processing gain, comments 2−10620
M-ary variable index continuous phase FSK, power spectral density expression 2−15814
minimum shift keying systems, influence of two-path propagation 2−15815
modem receivers, digital signal processing realisations 2−2585
near optimum delay-line detection filters for serial detection of MSK signals 2−2361
nonlinear TDMA environment, pulse shaping techniques performance 2−2252
OQPSK modulation technique using jitter free signals 2−6394
partial response multi-h phase codes, spectral calc. 2−2326
programmable digital signal processors, voiceband modem implementation techniques 2−7066
QPSK, coherent detection in presence of jamming 2−15888
QPSK, full decision feedback phase-locked loop, microprocessor-based implementation 2−14035
QPSK, prefiltered bandwidth- and power-efficient modulation 2−6390
radio relay network digitisation processes and technical requirements 2−6751
regenerative and conventional satellites, performance of power and bandwidth efficient modulation 2−11067
regenerative satellites, clock recovery for DCPSK link in burst mode TDMA system 2−11071
regenerative satellites, new class of IJF-OQPSK modems 2−11070
regenerative satellites, QPSK downlink for systems with on board regeneration 2−11069
satellite channel, transpondser nonlinearity effects on SFSK and MSK, comparison 2−2765
satellite repeater system coded and uncoded performance, cumulative hardware distortion effects 2−2758
SPREAD SPECTRUM signals, description as stochastic processes 2−6454
spread-spectrum multiple access communication, error bit rate probability 2−6494
staggered quadrature overlapped raised-cosine modulation performance over nonlinear satellite channels 2−2751
two-channel Costas loop tracking performance for UQPSK signals with arbitrary data formats 2−2230
unbalanced QPSK signals, polarity-type Costas loop, carrier tracking performance at low S/N ratio 2−2293
GaAs IC compatible SAW devices 2−25412

phase shift microphones *see microphones*

phase shifters
see also phase changing circuits; phase convertors
all-pass filter with RC-pump element, realisation of phase-shift cct. *(Rumanian)* 2−24622
antenna arrays using digital phase shifters, sidelobe suppression by multistage decision method 2−10598
calibrator, with linear conversion of controlling code in phase shift 2−7179
convertor package for spectral analyser, with field replaceable diodes, 50 kHz to 21 GHz 2−16910
differential, near MM wave, performance results, based on magnetoplasmons on GaAs substrates 2−24688
differential phase shifters for near-MM wave range, performance predictions 2−24658
digital ferrite phase shifter, influence on differential phase shift of waveguide narrowing 2−24652
directional antenna arrays for MW band, phase invariant adjustable power divider, variable phase shifters, feeders 2−21250
dual-gate MESFET SHF broad-band active phase-shifter 2−5354
fibre gyroscope with nonreciprocally operated fibre-coupled $LiNbO_3$ phase shifter 2−15324
frequency multipliers 2−24624
frequency transformations representation by phase-shifters in iterative lattice networks *(German)* 2−816
linear phase shifters using optimum varactor diode doping profiles 2−9226
MM and near-MM component design employing magnetoplasmons 2−922
network analysis by summing effects of each of n reactive elements with other n-1 elements excluded 2−9184
network supplying value convertors with phase shifters, voltage nonsinusoidality factor determ. *(Russian)* 2−12237
p-i-n diodes, appl. in RF telecommunication and radar systems *(Italian)* 2−19813
passive RC for a tone-freq. channel 2−2655
polarisation phase-rotators, phys. principles of operation *(Russian)* 2−24668
quadrature device, wide-band, 25 to 25000 Hz 2−17089
quasi-optical phase shifters of frequency at submillimeter wavelengths 2−14294
timing generator, adjustable, with rectangular pulse train shifting capability 2−14020
voltage controlled 90° phase shifter using ICs 2−14241
GaAs dual gate MESFET appls., active phase shifter for 3 to 12 GHz range 2−19865

phase space methods
No entries

phase transfer function *see optical transfer function*

phased arrays (antenna) *see antenna phased arrays*

phased locked oscillators *see parametric oscillators*

philosophical aspects
communications-computing synthesis as extension of human perception and reasoning 2−21607

phonographs *see gramophones*

phonon bottleneck *see phonons*

phonons
see also crystal surface and interface vibrations; lattice phonons; tunnelling spectra
As-Ge-Se, glasses and melts, thermal and elec. cond. 2−5583

phosphate glasses
for iron and vanadium phosphate semiconducting glasses see amorphous semiconductors
see also phosphosilicate glasses
laser glass, Nd doped, gain saturation 2−1936
laser oscillator, mode-locked and Q-switched 2−10270
metaphosphate glass dosimeters, radiophotoluminesc., time-resolved study 2−11803
Li-La phosphate glass:Cr^{3+}, Nd^{3+}, energy transfer between Cr and Nd ions 2−25760
Nd phosphate concentrated laser glasses, review 2−20863
Nd^{3+}:metaphosphate glass laser, spectral generation investigation 2−6196
P_2O_5-SiO_2 glass as dopant source for Si, validity of etch rate datum 2−9556
PrO_x-P_2O_5 glasses, elec. props. rel. to oxidation and red. treatments, glass form. range 2−9451
V_2O_5-P_2O_5, amorphous, secondary electron emission props. meas. 2−9352
V_2O_5-P_2O_5 glass melt, electrocrystn. of VO_x cpds. used in threshold switches 2−8851
V_2O_5-P_2O_5-Cs_2O, amorphous, secondary electron emission props . meas. 2−9352
V_2O_5-P_2O_5-Na_2O, amorphous, secondary electron emission props. meas. 2−9352
Yb^{3+}, Er^{3+}:glass, volume and surface optical strength meas. at 1.54 μm 2−20613

phosphorescence
see also fluorescent screens; phosphors
CaS:Ag phosphors, luminesc. kinetics, phosphoresc. decay, thermoluminesc., and electrolum. meas. 2−10130
$CaSO_4$:Dy, Bi, phosphors; X-ray induced fluorescence and phosphorescence 2−15398
ZnS:Ce, Cu(Ag), phosphoresence decay and thermolum. study 2−10133
$ZnSiO_4$:Mn^{2+}(Mn^{2+},As), photoexcited and photostimulated luminesc. and cond. 2−25610
$ZnSiO_4$:Mn^{2+}(Mn^{2+},As), phosphorescence, electron traps effect 2−25611
Zn_2SiO_4:Mn phosphors, electron trapping and luminesc. mechanisms, tunnelling model 2−1795

phosphors
see also fluorescent screens; luminescence
cathodoluminescent phosphor screens, colour change penetration type, anal. 2−6102
colour TV screens, filter concept, optical capability limits 2−16631
CRT phosphor noise subtraction system 2−20015
electroluminescence, CuS phases 2−20736
fluorescent lamp phosphors, changing requirements 2−28215
fluorescent lamp three-band type, blue phosphor emission spectrum effect on colour rendition *(Japanese)* 2−8068
imaging detectors for middle and far UV, review 2−11480
IR excitable, appl. to detection of 1.5 μm wavelength laser light emission 2−10128

phosphors continued
line-scan CRT, phosphor lifetime and brightness improvement 2−14590
monoalkylammonium chlorides activated with Tl, phosphors, luminesc. study 2−6104
telecine colorimetry, test materials for alignment 2−26629
thermoluminescent phosphors, use as microwave radiation dosimeters 2−22490
vision research implications in luminescence investigations 2−28210
$BaSO_4$(Eu) thermoluminophor fabrication and charact., thermoluminescent dosimeters appl. 2−11813
(Ca,Ba)S:Cu,Nd phosphor, electrolum. behaviour 2−10129
(Ca,Sr)S:Cu phosphor, luminescence centres and charge compensation 2−10134
$CaF_2.3Ca_3(PO_4)_2$:Ce, Mn, luminesc. depreciation 2−25609
CaO(S)(Se):Pb^{2+}, luminesc. spectra, mag. field effect *(French)* 2−20734
CaS phosphors, doped, luminescence centres and charge compensation 2−10134
CaS:Ag, luminesc. kinetics, phosphoresc. decay, thermoluminesc., and electrolum. meas. 2−10130
CaS:B, thermolum. phosphor, phys. parameters, operation importance 2−15400
CaS:R (R=rare earth), DC electrolum. 2−25613
$CaSO_4$:Dy, Bi, phosphors; X-ray induced fluorescence and phosphorescence 2−15398
KI:Tl phosphor, uniaxial stress effect on A emission band at low temp. 2−10131
MgS:Pb^{2+}, luminesc. spectra, mag. field effect *(French)* 2−20734
NaCl:Sr, pretreated, effect of activator content on thermolum. 2−10135
Si:P implanted wafer, multiscanning electron beam annealing, solar cells appl. 2−14614
SrS:Cu phosphors, luminescence centres and charge compensation 2−10134
SrS:R (R=rare earth), DC electrolum. 2−25613
Y_2O_2S:Eu, excitation mode into charge transfer band 2−20733
(Zn,Cd)S:Ag,Cl DC electrolum. powder cell, donor-acceptor recombination luminesc. 2−25614
ZnO, self-activated, electroluminescence 2−25608
ZnO:DyAg, phosphors, electrolum. and photolum. obs. 2−6103
ZnS phosphor powder for electrolum. panels, UV light induced ageing, photoacoustic spectroscopy study 2−6101
ZnS phosphors, luminesc. props., influence of formation temp. 2−25615
ZnS:Ag, Cu, Cl phosphor powders, prep. and blue electroluminesc. 2−15399
ZnS:Ce, Cu(Ag), phosphoresence decay and thermolum. study 2−10133
ZnS:Cu, Al, Co-doped phosphor for current-sensitive, single-gun colour CRT 2−25607
ZnS:Cu, Cl crystal phosphor, localised surface state spectroscopy 2−10132
ZnS:Cu phosphor, relation between lattice parameter and particle size 2−15397
ZnS:Gd (Cu,Gd)(Mn,Gd), electroluminescent, optical props. 2−20735
$ZnSiO_4$, doped and undoped, photoluminesc. and photocond. 2−25612
$ZnSiO_4$:Mn^{2+}(Mn^{2+},As), photoexcited and photostimulated luminesc. and cond. 2−25610
Zn_2SiO_4:Mn, electron trapping and luminesc. mechanisms, tunnelling model 2−1795

phosphosilicate glasses
MOSFET, n-channel, contaminated phosphosilicate glass gives temp. depend. defect level for ionic failure mechanism 2−15030
passivation, reaction kinetics with Al film metallisation 2−14810
plasma etching optical endpoint detect. 2−14802
Al-PSG (SiO_2)-Si system, interface passivation and distrib. of mobile ion trapping levels *(Chinese)* 2−14701
P_2O_5-SiO_2 glass films, MOS IC technology, atmospheric-pressure CVD system 2−13843
SiO_2-GeO_2-F-P_2O_5 single mode fibres, chromatic dispersion effects calc. 2−25487

photoacoustic effect
high efficiency photoacoustic cell utilizing PZT for flaw detection 2−8858
laser with unstable resonator, optoacoustic instability 2−1978
SAW, optical generation of 76 MHz waves on YZ $LiNbO_3$ 2−25406
Si:H, amorphous, p-i-n junctions, photoacoustic emission 2−25052

photoacoustic spectroscopy
far IR lasers, optically pumped, transition meas. using Stark optoacoustic technique 2−25729
methanol, far IR lasant, optically pumped, Doppler-free optoacoustic spectroscopy 2−25727
methanol IR transitions, investigated using optoacoustic technique and Stark effect meas. 2−25726
methyl bromide, optoacoustic spectrum, far IR laser action by pumping with waveguide CO_2 laser 2−20834
methylene fluoride far IR lasant, optically pumped, Doppler-free optoacoustic spectroscopy 2−25727
optical fibre, absorpt. meas. using photoacoustic effect *(French)* 2−1707
PADAR: photo-acoustic detection and ranging−a new technique for the remote detection of gases 2−27300
a-Si:H, a-Si:F:H, Schottky-barrier diodes, elec. props. using new techniques 2−25067
ZnS phosphor powder for electrolum. panels, UV light induced ageing, photoacoustic spectroscopy st-udy 2−6101

photobleaching *see optical saturable absorption*

photocapacitance
see also photodielectric effect
MIS structure, photocapacitive study 2−20150
MIS structures, minority carrier lifetime and doping profile determ. by photoinjection 2−9504
semiconductor p-n diodes, deep centres local distrib., photocapacitance study 2−14838
semiconductors, deep levels, meas. techniques, DLTS, thermally stimulated capacitance, photocapacitance and photocurrent meas. methods *(Japanese)* 2−9391
Cu_xS/CdS solar cells, characterisation by photocapacitance IR quenching 2−12863
In-phthalocyanine, metal free x-phase, solar cell, low freq. photocapacitance 2−18474
Si:H, amorphous, solar cells, electronic props., review 2−24995
p-Si-SiO_2 MIS structure, photocapacitive study 2−20150
Si_3N_4 film, MNOS struct., electron traps, photoionisation cross-section 2−25081

photocathodes
see also photoemission
channel electron multipliers, effectiveness meas. *(Czech)* 2−14595
chlorophyll-liquid crystal electrodes for photoenergy conversion modeled on photosynthesis 2−12771
grid parameters analysis, of electron-optical convertors 2−24885
microchannel spatial light modulator for image processing operations, performance limitations 2−10073
semitransparent, opaque and mesh-based photocathodes as UV imaging detectors 2−11480
surface plasmon assisted photoemission by underlying metal film excitation 2−9354
X-ray photocathodes, quantum efficiencies, 0.02 to 10 keV 2−17319
GaAs appl. examples *(French)* 2−1383
GaAs photocathodes, for low light level imaging, MOCVD 2−5023
GaAs:Be(Zn) MBE and LPE layer photocathode struct., photoelectron spin polarisation 2−24857
GaAs/(Ga,Al)As, transmission photocathode, growth by MO-VPE 2−1812
GaP, impurity-doped, efficient linear IR to visible upconversion, IR detect. using NEA photocathode 2−10126
p-InP based photocathodes, solar to H_2 conversion, polycryst. films improvement by reacting Ag with grain boundaries 2−23403
p-$Ni_{0.98}Li_{0.02}O$ as photoelectrolysis cathode, flatband pot. and band gap 2−20715
Pd-Ag-O-Cs photocathode, photoemissive charact. 2−10158

photocells *see photoelectric cells*

photochemical energy conversion *see chemical energy conversion*

photochemistry
see also photochromism; photoelectrochemical cells; photolysis; photosynthesis
anthraquinone dyes in liq. crysts., order parameter and photochem. stability, display appls. *(French)* 2−11551
p-GaAs, semiconductor electrodes, laser induced photoelectrochemistry 2−12762
laser research and applications, review *(French)* 2−15428
polymeric resist materials, recent developments 2−1274
polypyrrole films, photochemically generated, protection of semicond. photoanodes 2−25156
refractory metal thin film structures, direct writing by laser photodeposition 2−8833
resist films, VUV photochem. reactions, Fourier transform IR difference spectra study 2−5651
solar radiation-driven energy conversion model 2−28114
time domain optical information storage in systems capable of photochemical hole burning 2−25837
CO_2 short-pulse line-tunable laser for photochemical studies 2−15433
CdSe thin film anodes, photoelectrochem. charact. 2−5648
Co_3O_4 sputtered electrodes, photoelectrochemistry 2−12772
Fe-thionine, photogalvanic cell, use of new thiazine to improve efficiency 2−12767
GaAs, pulsed UV laser photochemical doping, solar cell prod. 2−9563
n-GaAs, semiconductor-electrolyte interface, surface modification, photoelectrochemical cells 2−9523
n-GaAs-molten salt electrolyte interface, mech. of charge transfer 2−5646
p-GaP, semiconductor electrodes, laser induced photoelectrochemistry 2−12762
$MoS_2(Se_2)$ photoelectrodes, role of electron hole recomb. 2−14666
PbO_2 sputtered electrodes, photoelectrochemistry 2−12772
Si, pulsed UV laser photochemical doping, solar cell prod. 2−9563
n-SnO_2, semiconducting electrodes, sensitisation by Ru-based dyes 2−12766
n-$SrTiO_3$, semiconducting electrodes, sensitisation by Ru-based dyes 2−12766
TiO_2 anodes, photocurrent spectroscopy 2−10111
n-TiO_2, semiconducting electrodes, sensitisation by Ru-based dyes 2−12766
n-TiO_2, semiconductor electrodes, laser induced photoelectrochemistry 2−12762
n-WSe_2, semiconductor photoanode, photoelectrochemical cell efficiency 2−12765

photochromism
stripe optical waveguides for integrated optics, organic fulgides, appls. 2−10065

photoconducting devices
see also photoconductive cells; photodiodes; phototransistors
high-speed optoelectronic switches, microwave switching performance 2−20746
IR detectors, room temp., comparison of pyroelec. and photocond. types 2−16978
light-fired thyristor switch for VAR generator, 13.8 kV, bidirectional, 1200 A design 2−23376
MIS thyristor thresholding transducer in optical systems 2−10152
optical fibre communications, various solid state light sources and detectors analysed *(Italian)* 2−11081
PROM device, image recording and erasure mechanisms 2−6054
variable grating mode liquid crystal device for optical processing and computing 2−10084
CdSe photoconductive thin film, photopotentiometers, heat treatment, anal. and charact. 2−20742
Cu_{2-x}CdS heterojunctions, photoeffect props. and manufacturing methods *(Russian)* 2−1224
GaAs microstrip optoelectronic switches using laser plasma tapers 2−5353
GaAs photoconductive switch, laser-driven, picosecond microwave pulse generation 2−1796
p-Ge film, picosecond photoconductive detector 2−1776
Ge:Li, photocond. IR detectors, low photon background appl. 2−10143
(Hg,Cd)Te photoconductive detector in 3 to 5 μm range, UV irrad. effect 2−10157
Si switch, ultra high speed, for prepulse meas. of laser light *(Japanese)* 2−6106
Si:P, photocond. IR detectors, low photon background appl. 2−10143
Si:Tl, solution growth for 3 to 5 μm photocond. detectors 2−8798

photoconducting materials
see also photoconductivity
CdSe:Cu binder layers, near infrared sensitivity for electrophotography 2−15651
copper phthalocyanine binder photoreceptor, trapping levels, TSC study 2−10113

photoconducting materials continued
electrophotographic photoreceptor for laser recording with GaAlAs-lasers, aluminium selenide based 2−15649
electrophotographic properties of Se-Te 2−15648
electrophotography, magnetic toner for organic photoconductors 2−20724
electrophotography, sensitivity of 'Organic photoconductors for laser imaging' 2−15647
electrophotography, structure and properties of Se-Te 2−15650
fatigued photoconductors, revival 2−20714
organic, electro-optical induction of recomb. luminesc. 2−6096
organic, optical and elec. props., carrier photogeneration mechanism *(Japanese)* 2−10109
organic materials, development for electronic and electrical appls. *(Japanese)* 2−9825
photographic printing, charge transfer across organic photoconductor/insulating liquid interfaces 2−21048
PLZT ceramics, ion implanted, image storage medium 2−25579
radiation receiver materials, props. and devices *(German)* 2−15402
Saticon photoconductive target for high definition colour TV cameras 2−20038
tetrabromophenol blue, adsorption on ZnO and resulting photovoltaic properties under He-Ne laser 2−15392
thermoplastic photoconductor hologram medium, solvent vapour method and heating method *(Japanese)* 2−15373
As-Se-Te, amorphous, photoconductor for electrographic printing 2−25577
$Bi_{12}SiO_{20}$, bulk photoconductive crystal for nematic liq. cryst. light valve 2−6067
$Bi_{12}SiO_{20}$ crystals phase conjugation, real-time nondestructive testing appl. *(French)* 2−25875
CdS:Cu,Cl, elec. props. and imaging characts. in xerographic mode 2−15383
$Ga_{0.47}In_{0.53}As$ LPE, CVD and VPE layers, electron and hole mobilities of n- and p-type films 2−1196
p-Ge film, picosecond photoconductive detector 2−1776
$(Hg_{1-x}Cd_x)Te$ RF triode-sputtering film for IR detector arrays 2−9436
InP single crystals, n- and p-type, phototransport parameters, application in solar cells 2−6095
$KNbO_3:Fe^{2+}$, volume phase holograph form., coherent light amplification and optical phase conjugation 2−20949
Se-As-Te, chalcogenide photocond. in near IR region 2−25565
Si, amorphous, appl. to WO_3 photoelectrochromic device 2−20689
Si:H, amorphous, p-i-n junctions, photoacoustic emission 2−25052
Si:H, amorphous, prep. from higher silanes with high growth rate 2−606
Si:H, amorphous, vidicon targets, blocking struct. role 2−25566
a-Si:H, appl. in electrophotography and vidicon devices 2−20107
Si:H, microcryst. plasma deposited coating, elec. cond. and optical absorpt. 2−24922
a-Si:H films, for photoconductor applications 2−26860
Si:In, shallow acceptor X-levels, development as IR detector material 2−9413
Si:S(Se) IR detector, spectral response, dopant diffusion vapour press. effect 2−3160
$a\text{-}Si_xNi_{1-x}:H$, wide optical-gap, photoconductive, elec. and optical props. 2−15380
SnO_2 electrode, sensitisation with crystal violet 2−1782
ZnO sensitised by two dyes, electrophotographic behaviour 2−1785
ZnS sintered layers, photoelectric props. *(Russian)* 2−1786

photoconductive cells
photoelectrophoretic display system, effects of device parameters 2−22319
resonator photocell in Franz-Keldysh effect, falling current-voltage charact. and optical bistability 2−20751

photoconductivity
see also photoconducting devices; photoconducting materials
amorphous, p-type hydrogenated, for solar cells 2−20111
amorphous semiconductors, photoelectronic geminate and nongeminate recombination 2−25570
chalcogenide glasses, photoconductivity, slow relax. 2−10120
β-copper phthalocyanine, photocurrents thermal quenching and thermally-assisted optical quenching 2−15378
copper phthalocyanine films, photocurrents, O_2 and H_2 effects on thermal quenching and thermally assisted optical quenching 2−15379
β-copper phthalocyanine thin films, transient photocurrents, thermal quenching effect 2−10115
dielectrics, broad-band, photocond. excited by UV laser radiation *(Russian)* 2−15391
direct solar energy conversion efficiency thermodynamic 2−23461
MIS solar cells, computer-aided anal. of short circuit current, spectral response meas. appls. 2−23464
MIS tunnel structure, photoelectric props. 2−9514
n-type semiconductors, flatband pot. meas. by rectified alternating photocurrent voltammetry 2−5647
nonpolar liquids, effect of some electron scavengers 2−1475
nylon 6 film, effects of drawing on photoconductivity *(Japanese)* 2−15372
organic semiconductor, model of photogeneration of carriers 2−15389
p-i-n structures in presence of light absorpt. by injected carriers 2−6089
p-type semiconductors, flatband pot. meas. by rectified alternating photocurrent voltammetry 2−5647
photoionisation in liquids using laser two-photon ionisation cond. technique 2−1476
photon drag effect, polarisation, spectral and temp. characts. 2−1784
phthalocyanine, x-phase metal free, photocond. particles dispersed in polymer matrix, carrier generation efficiency 2−10114
picosecond photoconductivity and appls., photoinduced plasma props. 2−6081
poly-N-vinyl carbazole, model of photogeneration of carriers 2−15389
poly-N-vinylcarbazole, extrinsic carrier photogeneration, charge transfer fluoresc. quenching by elect. field 2−20730
polyacetylene, photocond. due to charged solitons 2−6090
S-type diode, negative photocond. 2−25626
semiconductor, electronic response to illumination, surface effects 2−10116
semiconductor, high freq. photoresponse with modulated carrier diffusion coeff. 2−15387
semiconductor electrode, depletion layer, photogenerated carrier transport, elec. field depend. 2−25105
semiconductor photoanodes, protection with photoelectrochemically generated polypyrrole films 2−25156

photoconductivity continued
semiconductors, deep levels, meas. techniques, DLTS, thermally stimulated capacitance, photocapacitance and photocurrent meas. methods *(Japanese)* 2−9391
semiconductors, doped, diffusion of electrons and holes at high lattice and electronic temps. 2−24907
semiconductors, hot carriers, conf., Montpellier, France (July '81) 2−23866
shifting approx., expt. assessment, with appl. to poly-Si solar cells 2−23423
Si n^+-n^--p^+ rectifier junction, induced short circuit currents 2−9484
solar cell, band gap narrowing evaluation methodology based on measurements of emitter and base lifetimes and relaxation time 2−23463
solar cell, semiconductor-electrolyte junction, superposition principle 2−4343
solar cells photovoltaic solar energy conversion efficiency thermodynamical limits anal. using two-level quantum convertor model 2−23462
spectral sensitisation, by dyes *(Russian)* 2−20717
p-terphenyl, sensitised with 9,10-dichloroanthracene and 9,10-dibromoanthracene, photoinjection of holes 2−15384
Ag halides, photocond. meas. using microwave cavity 2−11600
$AgNbO_3$, hot pressing prep., elec. and photoelec. props. 2−5033
$AgTaO_3$, hot pressing prep., elec. and photoelec. props. 2−5033
$Al\text{-}SiO_2$ internal photoemission characts., forming gas anneal effect 2−9505
$Al\text{-}SiO_x\text{-}Si$ tunnel MIS structures, photoresponse, current-voltage, lux-ampere, freq., and load characts. 2−10160
As_2Se_3, amorphous, density of state in gap, dispersive photocurrent meas. 2−25572
$Au\text{-}n\text{-}Ga_{1-x}Al_xP$ surface barrier struct., photoelectric effect 2−15412
β-B, rhombohedral, photocurrent instabilities, low freq., at low temp. 2−25569
Gb-B, rhombohedral, transient photocond. Gb-B, rhombohedral, transient photocond. 2−25568
$Bi_{12}SiO_{20}$, illumination-induced impurity photoconductivity 2−25586
$Cd_{0.2}Hg_{0.8}Te$, surface treatment effect on photosensitivity spectral distrib. *(Russian)* 2−15386
$Cd_xHg_{1-x}Te$, photosensitivity spectrum, influence of Gaussian diffuseness 2−6082
CdP_2, photosensitivity anisotropy, 1.3 to 4 eV at 300K 2−25584
CdP_2-metal Schottky diodes, band struct., wavelength modulated photocond. and photoresponse meas. 2−15393
$Cd_xPb_{1-x}S$ (x=0.0625, 0.15625) superstructural thin film, props. 2−9478
CdS film exhibiting residual cond., lux-ampere characts., superlinearity 2−1791
CdS, ionic processes occurring under combined action of illum. and elec. field 2−20719
CdS single crysts., photoinduced processes, ageing and annealing effects 2−15371
CdS:Cu, Cl, sintered layer photoresistor, photosensitivity deterioration *(Russian)* 2−964
$CdS:CuCl_2$, baked layers, effects on elec. and photoelectrical props. 2−14653
CdS-aInSe heterostructures, photoelec. props. 2−25030
$(CdS)_x(ZnS)_{1-x}:Cu$, Cl, sintered layers, photocond. and acceptor centre levels 2−10122
p-CdSb, undoped, photoelec. props. 2−25585
CdSe, polycrystalline layers, effect of annealing on elec. props. 2−14654
CdSe sandwich struct. photoresistors, manufacture and elec. props. *(Russian)* 2−1254
CdSe single crystals, photocond., electric field effect *(Russian)* 2−26934
CdSe solution grown films, optical and photoconducting props. 2−25582
CdSe thin film anodes, photoelectrochem. characts. 2−5648
CdSe:Ag, nonequilibrium sensitized, mid IR radiation detector, photocond. 2−6094
$CdSe\text{-}Al_2O_3$ interface states, field effect spectroscopy 2−1243
$CdSe\text{-}SiO_2$ interface states, field effect spectroscopy 2−1243
CdTe sputtered thin films, photocond. and photovoltaic effects 2−25581
$(CdZn)S/Cu_2S$ solar cells, thin-film, polycrystalline 10% conversion efficiency 2−18523
Cu chalcogenides, on p-constituent heterojunctions, stable composition *(Russian)* 2−1223
$Fe_{1-x}Cr_xNbO_4$, prep., cryst. struct., mag. and electronic props. 2−15381
$Ga_{1-x}Al_xAs$, photocond. storage obs. at low temp. 2−25583
$Ga_{1-x}Al_xP$ variable-gap surface barrier UV photodetectors 2−26855
GaAs epitaxial thin film, persistent photocond. 2−15376
n-GaAs, high power far IR photocond. meas., photoresponse tail 2−6086
p-GaAs, linear photogalvanic effect *(Russian)* 2−20723
n-GaAs, periodic oscills. and turbulence of hot-carrier plasma at 4.2K 2−24975
n-GaAs, photoconductivity, far-IR two-photon transitions and two-photon cyclotron resonance 2−20087
n-GaAs, photocurrent noise caused by impact ionization of neutral donors and free/bound excitons 2−24992
GaAs, piezoelectric, photogalvanic effect for interband transitions 2−1783
p-GaAs, reemission effect on carrier transport 2−5566
GaAs, S-type diode, negative photocond. 2−25626
GaAs:Cr, photoexcited charge carrier recombination processes *(Russian)* 2−1190
GaAs:Mn, photoresistive detector, elec. and photoelec. props. 2−19899
GaAs:Sn,Cu, electrical props. investigation 2−1186
GaAs/(Ga,Al)As, transmission photocathode, growth by MO-VPE 2−1812
GaAs-(AlGa)As heterojunction interfaces, modulation doped, electron mobility depend. on electron density and Al conc. 2−14672
GaAs-oxide interface states: gigantic photoionization via Auger-like process 2−14718
GaP:Bi p-n struct., electrolum. and photoresponse spectra 2−20731
n-GaSb:S, minority carrier diffusion length, photoconductivity study 2−9441
GaSe, γ-neutron and electron irrad., photosensitivity 2−9476
GaSe, injection-induced impurity breakdown, low freq. current oscills. 2−9472
GaSe, photocurrent oscills. due to internal interf. of light 2−20721
p-GaSe single crystal, photoconduction measurements 2−25564
p-GaSe-n-CdTe heterojunction, photo-emf, I-V characts. *(Russian)* 2−1227
$Ga_2Se_3\text{-}In_2Se_3$ thin films, elec. and optical props. 2−1216
Ge, amorphous UHV deposited films, struct., elec. and optical props. 2−20097
Ge, far IR photocond. spectra of quenched in acceptors 2−1789

photoconductivity continued
p-Ge film, picosecond photoconductive detector, photocond. meas. 2−1776
Ge:P, photoconductivity spectrum of shallow donors, elec. field effect 2−15388
Ge-Si, solid solutions, kinetics of photoconductivity *(Russian)* 2−6085
Ge_ySe_{1-y}:In(Cu)(Fe) glasses, photocond. and elec. cond., dopant effects 2−20716
$Hg_{1-x}Cd_xTe$ intrinsic photoconductive IR detectors, two-dimens. effects 2−26849
$Hg_3In_2Te_6$-SnS_2 n-n heterojunction formed by optical contact, charact. 2−1226
In-Ga:Cr-In struct. with S-type I-V charact., field distrib., switching mechanism 2−20156
p-$In_{0.53}Ga_{0.47}As$, photoexcited minority electrons, velocity field charact. 2−1172
In_2O_3-CdSe-VO_2 heterojunctions, optical control of spectral charact. 2−20722
n-In_2O_3-electrolyte system, photoelectrochemical props. 2−5645
InP single crystals, n- and p-type, phototransport parameters, application in solar cells 2−6095
InSb, photoexcited hot carriers, far IR cyclotron reson. and emission 2−24980
InSb, photoexcited hot carrier lifetime, magnetophonon oscillations 2−24982
InSe, cryst. and amorphous, elec. and photoelectrical props. 2−25030
InSe, photocurrent oscills. due to internal interf. of light 2−20721
$MoS_2(Se_2)$ photoelectrodes, role of electron hole recomb. 2−14666
$Pb_{1-x}Sn_xTe$:Al(Ga)(In)(Cd), photoconductivity 2−1215
Se, amorphous film, photostruct. fatigue 2−15382
Se, hexagonal single crystal, photoconductivity anisotropy in polarised light, 0.53 to 0.72 μm *(Russian)* 2−6083
Se, hexagonal single crystal, anomalous photoconductivity at 77K *(Russian)* 2−6084
Se, hexagonal single crystal, rest photocond. *(Russian)* 2−10112
Se, liquid, photoconductivity 2−20063
Se, single crystal, freq. depend. of cond., noise and photoresponse 2−9416
Si, amorphous, CVD growth, struct., optical, and elec. props. 2−20099
Si, amorphous, gap states and band tail absorption, direct meas. by const. photocurrent method 2−1787
Si, amorphous, trap-controlled dispersive transport and exponential band tails 2−20718
Si amorphous films, evaporated and sputtered, annealing and hydrogenation 2−24931
Si amorphous RF sputtered coating, photocond., optical and EPR props. 2−20093
Si, amorphous thin-layers production and appls. *(German)* 2−24944
Si, impurity and defect characterisation techniques, book contrib. 2−1168
p-Si, photoelectric effects, anomalous decrease at short wavelengths 2−6093
Si, polycrystalline, carrier transport and recombination processes at grain boundaries under optical illumination 2−20725
a-Si Schottky barrier solar cells, localised states and photocond. 2−4344
Si substrates, numerical anal. of minority carrier lifetime, contactless meas. technique *(Japanese)* 2−9409
a-Si:Ar RF sputtered films, elec. and optical props., effect of Ar 2−20102
Si:Au; phase shift spectroscopy of modulated photocurrent 2−1781
Si:F amorphous film, glow discharge plasma deposition from SiF_2 gas 2−19443
Si:Gd, photoconductivity, induced, with exchange impurity levels 2−10121
Si:H, amorphous, electron irrad. effect on dark and photocond. and defect removal 2−24930
Si:H, amorphous, modulated photocurrent meas. 2−1780
Si:H, amorphous, photoconductivity, spectral and temp. depend. 2−1792
Si:H, amorphous, plasma deposited, photocond., temp. depend. 2−1778
Si:H, amorphous, solar cells, electronic props., review 2−24995
Si:H, amorphous film, large area plasma deposition and elec. props. 2−19426
Si:H, amorphous plasma deposited coating, field effect cond., illumination and annealing effects 2−24994
Si:H, amorphous RF magnetron sputtered coating, elec. and optical props. 2−19425
Si:H, amorphous RF sputtered coating, IR 2000 cm^{-1} absorpt. band and photoelectronic props. 2−20096
Si:H, amorphous thin films electrical and optical props. optimisation using RF bias-sputtering 2−23446
Si:H, amorphous vacuum deposited films, theta pinch hydrogenation 2−20190
Si:H, intrinsic, amorphous, dual light beam modulation of photocarrier lifetime 2−25576
Si:H, Li amorphous film, DC glow discharge deposited, photovoltaic effect 2−25571
Si:H, O sputtered films, amorphous, optoelectronic props., effect of O 2−25580
a-Si:H, photoresponse time and density of localised states in mobility gap 2−25001
Si:H,B, Li-diffused, amorphous compensated, dark and photocond. 2−24932
Si:H,N(O), amorphous glow discharge film, elec. cond. and photocond., $N_2(O_2)$ doping effect 2−20098
Si:H,P, amorphous, photogenerated carrier recombination 2−24929
Si:H,P films, elec. props., transition to amorphous phase, solar cell props. 2−24927
Si:H amorphous film deposition by Penning glow discharge of SiH_4 2−19437
Si:H amorphous films, photocond. and photolum 2−25578
Si:H amorphous plasma deposited coating, elec. and optical props., RF power and growth temp. depend. 2−19444
a-Si:H film, photocond. anal. luminesc. meas. of cond. band tail 2−25575
Si:H films, amorphous n-type and p-type, primary and secondary photocurrents 2−25574
a-Si:H films, impurity doping, morphological study, electrical and optical properties 2−25022
Si:H(B)(P), amorphous DC sputtered coating, doping and elec. props. 2−19424
Si:N amorphous film, elec. and optical props. 2−9459
p-Si:Pd, natural and doped surfaces, IR photosensitivity, external elec. field effect 2−1790
Si:S, sharpline photocond. 2−10118
Si-Al_2O_3, charge carrier props. in p-type layers of SOS 2−6087
Si-$As_2Sr_3Cu_x$ p-n heterojunction, current-voltage charact. 2−25053
Si-GaP heterojunction, elec. and photoelec. props. 2−25062
Si-Ge alloys, Si rich, for IR detectors, elec. and optical meas. 2−10117
p-Si-n^+-GaP heterojunctions, elec. and photoelec. props. 2−25063
Si-SiO_2 MOS struct., electron capture at Na^+ sites, 77 to 296K 2−25080
Si+H, amorphous, transient photocond. and Schottky barrier profile determ. 2−25573
SiC, impurity photosensitivity, recomb. centres 2−20720
SiC:H, amorphous, plasma deposited coating, photocond. and optical gap, valence electron control 2−24997
Si_xC_{1-x}:H, amorphous films, photocond. and photolum 2−25578
SiGe:H amorphous film solar cell, Tandem type 2−28116
a-$Si_{1-x}Ge_x$ films for high performance solar cells 2−23447
a-Si_xNi_{1-x}:H, wide optical-gap, photoconductive, elec. and optical props. 2−15380
SiO_2, electron trapping, reduction by high temp. N_2 annealing 2−14709
SiO_2-Si, avalanche electron injection, interface states generation 2−9506
SnO_2 electrode, sensitisation with crystal violet 2−1782
n-$SrTiO_3$, semiconducting electrodes, anodic/cathodic photocurrent transition meas. 2−10110
Te, impurity lines, anomalous stress shift under high press. 2−20067
Te, photocond. meas. at 77K in 1.4 to 4.4 μm range 2−15375
$Te_{85}Ge_{15}$, semicond. glass, photocond. meas. 2−1788
$Te_{85}Ge_{10}Sb_5$, semicond. glass, photocond. meas. 2−1788
TiO_2 anodes, photocurrent spectroscopy 2−10111
n-TiO_2, semiconducting electrodes, anodic/cathodic photocurrent transition meas. 2−10110
WO_3, amorphous anodic films, semicond. props. rel. between photocurrent and electrode pot. 2−9447
$ZnGeP_2$ p-n homojunction diodes, photoresponse anisotropy, bias voltage depend. 2−10119
ZnO, coadsorbed p- and n-dyes, spectral sensitivity 2−1779
ZnP_2-metal Schottky diodes, band struct., wavelength modulated photocond. and photoresponse meas. 2−15393
Zn_3P_2-metal Schottky diodes, band struct., wavelength modulated photocond. and photoresponse meas. 2−15393
Zn_3P_2-Mg, p-n junction form., carrier diffusion lengths, collection efficiency spectral response, EBIC meas. 2−14690
ZnS:Cu, Cl crystal phosphor, localised surface state spectroscopy 2−10132
$ZnSiO_4$, doped and undoped, photoluminesc. and photocond. 2−25612
$ZnSiO_4$:Mn^{2+}(Mn^{2+},As), photoexcited and photostimulated luminesc. and cond. 2−25610
ZnTe layers on Si, growth by solid-state reactions of Zn and Te layers prep. by ion beam evap., junction props. *(Japanese)* 2−8834

photoconductors *see photoconducting materials*

photocopying
see also electrophotography
copier access control feature with internal billing data 2−13120
CRT transparent touch panel copier console 2−11546
document feeder exit control 2−13121
multiple copying electrographic process using semi-permanent dielectric layer 2−13126
nonuniformity due to design and process variables of the longitudinal surface temperature on a CHOW fuser roll 2−13125
scanning fibre-optic bundle with recirculating document feed 2−9997
Xe flash fusing, toner fusing *(Japanese)* 2−8124

photocurrent *see photoconductivity; photoemission*

photodetectors
avalanche optoelectronic downconverter 2−25624
avalanche photodiodes, triggered avalanche detection of IR photons 2−16979
azimuth measurement by means of optical detector arrays, using heuristic algorithm 2−11417
bistable optical device using semiconductor laser diode and photodetector 2−2003
BPW-30 photodarlington transistors, use in light density meter *(Hungarian)* 2−11643
BPYP44 Si photodiode, charact. measurements *(Czech)* 2−1809
coded data aquisition equipment supplying information from conveyor belt to process computer *(German)* 2−16990
colour sensors using forbidden band sensors of graded bandgap *(Japanese)* 2−11488
contactless measurement of positioning, sensors, design *(Bulgarian)* 2−7098
developments and improvements in fibre optic system components 2−21823
device research conference, Santa Barbara, CA, USA (June 1981) 2−6
differential optical sensor for magnetic tape tension control 2−7101
electronic tachogenerator, using LED IR radiator, photo-transistor detector 2−7099
explosions, photodetection for fire control *(Polish)* 2−16986
fibre attenuation measurements, technique for minimising effect of detector inhomogeneity 2−25491
fibre optic communication equipment, technology, appls. 2−25508
fibre optic communications, sources, detectors 2−21824
fibre optics appl. developments, review 2−22277
fibre optics role in photoelectric sensing appls. 2−15340
field-disturbance sensor auto level control 2−7100
flame detectors for burners, UV, electrode and photoresistive types, TTL interface *(French)* 2−26819
flow sensor, computerised, using photoelectric converting elements *(Japanese)* 2−16798
heterodyne detector with diffraction grating integrated onto surface of Si photodiode 2−6052
integrated optical detectors, used for fibre optic systems 2−7106
integrated photosensors and imaging devices using Se-As-Te amorphous chalcogenide 2−26860
IR detectors, using bolometers, pyroelectric devices, photoconductivity devices 2−11491
light beam detector which ignores ambient light changes 2−11485
light identification and measurement *(French)* 2−16987
long-wavelength optoelectronic device fabrication and reliability for optical communication 2−2810
metal-ZnO-metal small area thin-film sandwich, high-speed photodetection 2−11493
MIS structure operating under avalanche multiplication conditions, light detect. 2−20752
modulated barrier photodiode: A new majority-carrier photodetector/ 2−1797

photodetectors continued
monolithic integrated micrograting and photodiodes for wavelength demultiplexing 2−25536
mosaic focal planes, technology rundown 2−16985
n^+-p-π-p^+ Si structure, 34 Mbit/s optical communications system appl. *(Italian)* 2−16461
oil mist detection in marine diesel engine, microprocessor based system 2−22073
optical beam position estimation by detector array 2−7213
optical detector system, self-level adjustment 2−22274
optical field mapping, automated, using single-mode fibre interferometer 2−20615
optical heterodyne detector with integrated diffraction grating on diode surface 2−16974
optical photodetector, freq.-characteristic meter 2−17019
optical receiver, statistical model *(Rumanian)* 2−16988
optical sensors for displacement measurement 2−7208
optimal parameters, high sensitivity, fast response 2−3164
opto-isolator using interchangeable fibre-optic emitters and detectors 2−15418
OPTOTRAP, photoelectric detector with rotating mirror *(French)* 2−22278
photoelectric circuit for remote sensing lateral position indicator 2−3157
photoelectric switches, selection 2−1803
photon drag effect, polarisation, spectral and temp. characts. 2−1784
position sensitive, effects causing nonlinear position response, anal. 2−22273
power meter, high stability and sensitivity *(Japanese)* 2−11483
pyroelectric detectors for radiation extending between X-rays and IR, range of freq. responses from 0.1 Hz to 5 kHz *(French)* 2−1553
radiation receiver materials, props. and devices *(German)* 2−15402
scintillation-photodetector detector system, with improved energy resolution 2−11811
sinusoidally varying light signals detector, tripple configuration 2−3156
spectral analyser, integrated acoustooptic, prototype 2−1761
thin-film metal-oxide-metal photodetectors, freq. characts., detect. mechanism 2−9662
ultrawide frequency response meas. method 2−26848
Warner Electric range, materials handling, packaging and conveying appl. 2−22280
waveguide photodetector, spectrally selective 2−3167
wavelength-division-multiplexing light wave system employing dual-wavelength LEDs and photodetectors 2−11080
XUV array detector for GRIST 2−16989
AlGaAs-GaAs ultra-low-noise avalanche photodiode with separated electron and hole avalanche regions 2−20740
p-$Al_{0.26}Ga_{0.74}Sb$-n-Ga Sb, effective photoresponse *(Japanese)* 2−586
CdS photoresistor for insolation measurement at University of Nigeria 2−17184
GaAlAs DH injection laser, coherent reception, multimode effects 2−26856
$Ga_{1-x}Al_xP$ variable-gap surface barrier UV photodetectors 2−26855
GaAs, transient and DC response 2−3169
GaInAs, 0.9 to 2.1 μm waveband 2−3168
p-Ge film, picosecond photoconductive detector 2−1776
Ge Schottky-barrier photodetectors, dark current 2−22272
Ge:Li, photocond. IR detectors, low photon background appl. 2−10143
InGaAs back-illuminated pin photodiode, fibreoptic communication appls., 1.3-1.6 μm region 2−6105
InP-InGaAs small area high speed photo-transistor, fabrication and characts. 2−10137
p-InSb diodes, injection amplification under illum. with impurity-absorbed radiation 2−20748
InSe, photoelec. props., photodetector for 0.6 to 1.6 μm range 2−25030
Nd:glass laser picosecond pulse detect. with nanosecond time resolution using A/D convertors 2−20934
SF_6 insulated equipment fault sensors 2−18396
Si, amorphous, FET, application in integrated circuits 2−5805
Si avalanche photodetectors, crystal defects, electron channelling imaging with SEM 2−9483
Si, reach-through avalanche photodiode, wavelength and temp. depend., laser detector appl. 2−20737
Si Schottky barriers, image force effects on short wavelength photoresponse 2−3161
Si:As, B wafer reactive-ion etch end-point detect. using spectrophotometer and photodetector 2−1303
Si:P, photocond. IR detectors, low photon background appl. 2−10143

photodielectric effect
No entries

photodiffusion effects *see Dember effect*

photodiodes
see also avalanche photodiodes
array, driving charge-integrating amplifier, bandwidth requirements 2−24410
BPYP44 Si photodiode, characts. measurements *(Czech)* 2−1809
fibre optic communications, sources, detectors 2−21824
fibre optic technology, sources and detectors, multiplexing schemes 2−21844
heterodyne detector with diffraction grating integrated onto surface of Si photodiode 2−6052
heterojunction, nonideal, photoelec. props., photodiode appls. 2−20750
high freq. photoresponse with modulated carrier diffusion coeff. 2−15387
high speed tapped CCD photodiode linear image sensor 2−10144
image processing from photodiode array, using variable-threshold digitiser, biological appl. 2−16918
image scanners of industrial robots, photodiode-array based Linescan cameras 2−7094
image sensors, comparison of CCDs, charge-injection devices and photodiodes *(German)* 2−26859
injection structures, high activation energies, heating effects on V-I characts. *(Russian)* 2−1222
integrated photosensors and imaging devices using Se-As-Te amorphous chalcogenide 2−26860
IR remote control receiver, using photodiode, relay 2−3166
IV-VI epitaxial thin film IR detectors, device performance and basic material props. 2−10154
laser addressed liquid cryst. display 2−10079
LED-fibre alignment, built-in p-n photodiode alignment cct. for fibre-optic Si optical bench 2−10002

photodiodes continued
load impedance determ. in pulsed optical radar/communication systems 2−15415
MIS photodiode integrated devices for image processing calc., using integral transforms *(Russian)* 2−10136
modulated barrier photodiode: A new majority-carrier photodetector/ 2−1797
monolithic integrated micrograting and photodiodes for wavelength demultiplexing 2−25536
n-p-n photodiode using organic dyes for spectrum controllable colour sensors 2−11481
optical heterodyne detector with integrated diffraction grating on diode surface 2−16974
optoelectronic matrix switch using InGaAs/InP heterojunction switching photodiodes 2−1801
optoelectronic transceiver for signal transmission by diffuse radiation, design and performance *(German)* 2−6828
p-ν-n^+ photodiode, response time governed by transit time in space charge region 2−20747
p-i-n, characts. and operation *(German)* 2−13980
p-i-n and avalanche photodiode detectors for 1.1 to 1.6 μm operation, state of the art 2−7108
picosecond rise-time photodiode 2−10159
power meter, high stability and sensitivity *(Japanese)* 2−11483
power monitor for gas lasers 2−6247
pulp and paper production industries process measurement and control using optical systems *(Swedish)* 2−16975
radiation receiver materials, props. and devices *(German)* 2−15402
receivers for optical fibre communication systems, photodiodes 2−15413
S-type diode, negative photocond. 2−25626
servomechanism, using position sensitive photodiodes *(German)* 2−20743
AlGaAs heterojunction photodiodes structures, radiation hardened, computer modelling 2−20744
AlGaAs photodiode structures, computer modelling and radiation testing 2−15404
AlGaAs photodiodes, transient irrad. effects 2−25622
AlGaSb photodiodes, transient irrad. effects 2−25622
$Al_xGa_{1-x}Sb$, p-i-n photodiode for 1.3 μm fibre optical systems 2−20738
$Cd_xHg_{1-x}Te$ p-n junction IR photovoltaic detectors, elec. props. 2−15406
$Cd_xHg_{1-x}Te$ photodiodes, 8-14 μm range, doping influence 2−10142
GaAlAsSb photodiodes, low dark current 2−25616
GaAs, S-type diode, negative photocond. 2−25626
GaAs, sensitivity mapping using laser beam scanning equipment *(Slovak)* 2−25620
p-GaAs substrates, modulated barrier photodiode grown by MBE 2−10147
GaAs:Cr S-type diode, photoelec. props., neg. resistance under reverse bias 2−1810
$GaAs_{1-x}Sb_x$ Schottky barrier quadrant detector development for 1 μm appl. 2−11494
GaInAs p-i-n photodiode-FET receivers for 1.3 micron optical fibre systems 2−2789
$Ga_{0.47}In_{0.53}As$, low temp. LPE growth 2−8817
p-GaSe-n-CdTe heterojunction, photo-emf, I-V characts. *(Russian)* 2−1227
H_2 detector using Pd MOS Schottky diode 2−11443
p-$Hg_{1-x}Cd_xTe$, deep levels, correlation with photodiode performance 2−1176
p-$Hg_{1-x}Cd_xTe$ photodiode, minority carrier lifetime and recomb. mech. 2−1177
InGaAs back-illuminated pin photodiode, fibreoptic communication appls., 1.3-1.6 μm region 2−6105
InGaAs pin photodiode-bipolar transimpedance preamplifier high-speed optical receiver, 1.3-1.5 μm 2−22281
InGaAs VPE 1.0 to 1.7 μm photodiodes, low-leakage, high-efficiency 2−1802
InGaAs/InP heterojunction switching photodiode, anomalous props. 2−15409
InGaAs-InP photodiode coupling to optical fibre, quartz block construction 2−9981
n-$In_{0.53}Ga_{0.47}As$/n-InP heterobarrier diodes characts. 2−10148
$In_{0.53}Ga_{0.47}As$-InP planar p-i-n photodiodes, low dark-current, high efficiency 2−10146
InGaSbP photodiodes, transient irrad. effects 2−25622
InP-$In_{1-x}Ga_xAs_{1-y}P_y$ PIN photodiodes for fibre-optic communications 2−6845
p-InSb diodes, injection amplification under illum. with impurity-absorbed radiation 2−20748
Pb-$PbS_{0.5}Se_{0.5}$ photodiode detector, improved performance from Cl incorporation at interface 2−10156
$Pb_{1-x}Sn_xSe$ photovoltaic detectors, minority carrier lifetimes, resist.-area product 2−15374
Si p-i-n photodiodes with V-like refl. relief 2−20749
Si shallow-junction photodiodes, metallisation system 2−10151
Xe arc lamp, radiant flux stabilisation 2−18740

photoelasticity
see also mechanical birefringence
light modulator, photoelastic, anisotropy induced by acoustic standing waves 2−10096
light polarisation modulator *(Hungarian)* 2−20697
nylon jacket with silicone rubber layer for optical fibre, characts. under lateral press. 2−1687
optical fibres, single mode, jacketed, thermal stress effects on group delay 2−5999
stress measurement techniques for three dimensional components *(Spanish)* 2−17181
GaAs epitaxial layer photoelastic electro-optical directional couplers, 1.15 μm, strain-induced waveguides 2−6050

photoelectrets
No entries

photoelectric cells
see also photoconductive cells; photovoltaic cells
F-7 photocell, working characteristics 2−15407
liquid level inspection of bottles performed by photoelectric switches 2−7083
photoelectric recognition system for moving components *(Russian)* 2−15410
position detection, photoelectric switch appls. 2−7082
radiation receiver materials, props. and devices *(German)* 2−15402

photoelectric cells continued
CdS photocell, cathodolum., photolum. and SEM studies 2−25617
Cu_xS/CdS photocells, characteristics 2−25618

photoelectric devices
see also image sensors; photocathodes; photoconducting devices; phototubes
fusion welding along flat curvilinear contours using industrial robot with photoelectronic programmed control system 2−28298
metal-semiconductor contact injection phenomena, nonmodel theory and appls. 2−9502
optical fibre photoelectric switch, model E3S-X 2−1804
optical fibre photoelectric switches, appls. 2−1806
photoswitching units having photo-logic circuits *(German)* 2−10138
semiconductor device characteristics *(Japanese)* 2−16980
switches for level detection 2−1807
traffic flow sensor using photoelectric elements *(Japanese)* 2−3124
transducer, semiconductor, temp. effects and their elimination, reflection-photoplethysmography appl. 2−1798
transmission switches, defects detection 2−1805
$CdS_{0.5}Se_{0.5}$, multi kV picosecond optoelectronic switching 2−6107
Cu chalcogenide-Cd chalcogenide thin film heterostructs. as position sensitive photoelements *(Russian)* 2−15411
GaAs:Cr S-type diode, photoelec. props., neg. resistance under reverse bias 2−1810
Si:F,H, amorphous, MIS photovoltaic device, large area, high efficiency 2−25623

photoelectric effects *see photoelectricity*

photoelectric electron emission *see photoemission*

photoelectric emission *see photoemission*

photoelectric tubes *see phototubes*

photoelectricity
see also Dember effect; photocapacitance; photoconductivity; photodielectric effect; photoelectrets; photoelectromagnetic effects; photoemission; photoionisation; photorefractive effect; photovoltaic effects
chalcogenide glasses, review of studies at Ioffe Physical-Technical Institute, USSR 2−25004
chalcogenide semiconductors, photo-induced phenomena 2−25025
heterojunction, nonideal, photoelec. props., photodiode appls. 2−20750
heterojunctions, nonideal, photoelectric props. 2−20128
MOS structure, low-doped, pulsed photoinjection, characteris. of doping level and minority carrier lifetime 2−9512
radiation receiver materials, props. and devices *(German)* 2−15402
semiconductor technology, optical characterisation techniques, conf., San Jose, USA (Apr. 1981) 2−8136
solar phototransformers based on laminated semicond.-dielec.-semicond. struct. *(Ukrainian)* 2−20157
CdS based photosensitive sandwich structs., series equivalent circuit parameters *(Russian)* 2−15385
CdSe based photosensitive sandwich structs., series equivalent circuit parameters *(Russian)* 2−15385
GaAs, hot photoexcited electrons, effect of electron-electron scatt. 2−24974
GaAs MESFET microwave oscillators, common-source and common-drain mode, photoeffects 2−5365
GaAs:Cr S-type diode, photoelec. props., neg. resistance under reverse bias 2−1810
GaAs-ZnSe heterojunction interface, LPE conditions effect 2−25066
GaSe, single crystals, IR quenching of photoelectrical memory *(Russian)* 2−20076
Ge-Si, spectral distrib. of quantum yield *(Russian)* 2−1777
H_2, liquid, excess electrons, photoinjection and mobility 2−1473
$Hg_{0.7}Cd_{0.3}Te$, photogenerated carrier lifetime meas. using contactless opt. technique 2−9432
InSe, single crystal, IR quenching of photoelectrical memory *(Russian)* 2−20076
Ne, liquid, excess electrons, photoinjection and mobility 2−1473
Pb-Te point contact photoresistors, distrib. of photoelectric response over surface *(Russian)* 2−24739
$Pb_{1-x}Sn_xTe$ ($0 \leq x \leq 1$) films, photothermomagnetic effect 2−1214
Si, photoelectric effects, lux depends. under surface and bulk Auger recomb. conditions 2−6092
Si surface adsorption, optical memory centres 2−14632
Si:H amorphous films for electrophotographic appl., photoelec. props. 2−24928
TiO_2-electrolyte interface, surface states obs. 2−20159

photoelectrochemical cells
see also solar cells
CdS/NaI.3.3NH_3 junction, photoelectrochem. behaviour, solar energy conversion utilisation 2−7964
ceramic electrode for photoelectrolytic decomposition of water 2−18405
chlorophyll-liquid crystal electrodes for photoenergy conversion modeled on photosynthesis 2−12771
current-voltage characteristics 2−18408
molten salt electrolytes for photoelectrochemical applications, overview of laboratory work 2−12773
oxide semiconductor electrodes, photovoltage response to temp. change 2−25567
semiconductor photoanodes, protection with photoelectrochemically generated polypyrrole films 2−25156
semiconductors, photodecomposition, thermodynamics, kinetics, appl. to photoelectrochemical cells 2−9522
solar, photocorrosion process on n-GaAs and corrosion prevention 2−12913
solar cells, open circuit pot. 2−28111
solar cells with layer-type semiconductor anodes, chem. surface treatment 2−18476
steady-state elec. admittance spectroscopy, electrolyte-semiconductor interface, critical props. 2−23402
CdS, polycrystalline thin film, liquid junction, performance eval. 2−7963
n-CdS:Te, semiconductor photoelectrodes, luminescence, photocurrent 2−12763
-CdS:Te luminesc. photoelectrochem. electrode, multiple emission and excited state communication 2−4323
CdSe, photoanodes, photoelectrochemical cells, energy storage 2−12764
CdSe thin film, chemically deposited, for photoelectrochemical cells 2−19423
CdSe thin film electrodes for photoelectrochemical cells, props. 2−12768
CdSe thin film electrodes for backwall photoelectrochemical cells 2−12769

photoelectrochemical cells continued
CdSe thin film photoelectrochemical cells for solar energy conversion 2−4371
n-CdSe/electrolyte interface, electrorefl. spectra, photoelectrochem. solar cell appl. 2−5650
$CdSe/S_x^{2-}$ photoelectrochemical cells, surface etching and morphology effect on stability 2−18409
Co_3O_4 sputtered electrodes, photoelectrochemistry 2−12772
Fe-thionine, photogalvanic cell, use of new thiazine to improve efficiency 2−12767
α-Fe_2O_3:Ge^{4+}(Pb^{4+})(Sn^{4+}) electrodes, photoactivity, doping effect 2−15377
GaAs, photoanodes, photoelectrochemical cells, energy storage 2−12764
n-GaAs, photoelectrochemical corrosion, effect of Au monolayer 2−5649
GaAs, semiconductor electrodes in photoelectrochemical cells, surface state role 2−12761
n-GaAs, semiconductor-electrolyte interface, surface modification, photoelectrochemical cells 2−9523
n-GaAs/propylene carbonate electrochem. photovoltaic cells 2−18410
n-GaAs-room temperature molten salt electrolyte interface, photoelectrochemical device operation 2−7995
H_2O photoelectrolysis in NaOH and NaCl electrolytes with Si photoelectrodes 2−28079
H_2O photoelectrolysis using composite semiconductor photoanode 2−28080
p-InP based photocathodes, solar to H_2 conversion, polycryst. films improvement by reacting Ag with grain boundaries 2−23403
p-InP-liq. electrolyte interface, Fermi level pinning rel. to photoelectrochem. energy conversion 2−5644
MoS_2 electrodes, polycrystalline and thin film, for photoelectrochemical cells 2−18413
MoS_2/I^--I_2/C electrochemical solar cell, performance 2−18473
$MoSe_2$, photoanodes, photoelectrochemical cells, energy storage 2−12764
p-$Ni_{0.98}Li_{0.02}O$ as photoelectrolysis cathode, flatband pot. and band gap 2−20715
PbO_2 sputtered electrodes, photoelectrochemistry 2−12772
n-Si electrodes in aqueous soln. photoelectrochemical cells, techniques for stabilisation 2−12770
Si, semiconductor electrodes in photoelectrochemical cells, surface state role 2−12761
n-Si/metal or metal-free phthalocyanine film/electrolyte, photovoltaic cell 2−9525
n-SnO_2, semiconducting electrodes, sensitisation by Ru-based dyes 2−12766
$SrTiO_3$ photoanodes for photoelectrochemical cells, photocorrosion 2−18414
n-$SrTiO_3$, semiconducting electrodes, sensitisation by Ru-based dyes 2−12766
n-TiO_2 electrodes, flatband pot. depend. on electrolytes and electrolyte conc. 2−14738
n-TiO_2, semiconducting electrodes, sensitisation by Ru-based dyes 2−12766
TiO_2 semiconducting thin film photoelectrodes for photoelectrochemical cells 2−18406
n-WSe_2, semiconductor electrodes in photoelectrochemical cells, surface state role 2−12761
n-WSe_2, semiconductor photoanode, photoelectrochemical cell efficiency 2−12765

photoelectromagnetic effects
semiconductor, electronic response to illumination, surface effects 2−10116
$Cd_xHg_{1-x}Te$, photothermomagnetic effect in mm and submm ranges 2−6091
Ge, surface recombination and bulk lifetime contactless PME investig. 2−10161
n-InSb, Landau levels nonthermal broadening, transverse magnetoresist. and photomag. effect 2−5560
InSb, photoexcited hot carrier lifetime, magnetophonon oscillations 2−24982
p-Si, photoelectric effects, anomalous decrease at short wavelengths 2−6093
Si, surface recombination and bulk lifetime contactless PME investig. 2−10161

photoelectron multipliers *see photomultipliers*

photoelectron spectra
see also Auger effect; photoemission; X-ray photoelectron spectra
photocathode with neg. electron affinity, photoelectron spectra 2−9355
Al/Si (111) cleaved interface, photoemission, Auger electron yield, and AES study 2−1235
BeF_2 glasses, vacuum UV props. 2−9965
CdS-metal interface, reactive interdiffusion and electronic barriers, reactive interlayer control of Schottky barrier height, photoemission study 2−20136
GaAs (110)-In(Ge), interface form., surface reconstruction 2−25051
$Ga_{0.9}In_{0.1}As$ photocathode with neg. electron affinity, photoelectron spectra 2−9355
Si (111)-Ga(Sb) interface Schottky barrier formation study 2−25071
Si (111)-In(Ge), interface form., surface reconstruction 2−25051
ZnSe (110) oxidation model based on anal. by 21 eV photoemission spectroscopy, contact-potential difference and AES 2−20202
ZnTe (110) oxidation model based on anal. by 21 eV photoemission spectroscopy, contact-potential difference and AES 2−20202

photoelectron spectroscopy
calibration technique for a computer-controlled photoelectron spectrometer 2−22509
$CuInSe_2$, oxidation stability studies, X-ray photoelectron spectroscopy 2−18589

photoemission
see also photoelectron spectra; photoemissive devices
metal foils and plated wires, electron emission study using flash X-ray spectrum 2−14560
nonliner photoemission for viewing guided or evanescent waves 2−10055
semiconductor field emitter, elect. field relation at vertex and voltage 2−1105
surface plasmon assisted photoemission by underlying metal film excitation 2−9354
X-ray induced electron emission meas. 2−14559
Al-SiO_2 internal photoemission charact., forming gas anneal effect 2−9505

photoemission continued
GaAs:Be(Zn) MBE and LPE layer photocathode struct., photoelectron spin polarisation 2−24857
Si, hot electron emission under pulsed laser excitation 2−24860
Si-SiO_2 interface in MOS structs., memory effects caused by irrad. *(Russian)* 2−14723
photoemission spectra *see photoelectron spectra*
photoemissive devices
see also photocathodes; photoemission
photoelectron microscope, space-charge aberrations 2−1138
photoemissivity *see photoemission*
photoflash lamps *see flash lamps*
photogalvanic cells *see photoelectrochemical cells*
photoglow tubes *see phototubes*
photogrammetry
image correl. techniques and devices, review 2−3588
weapon delivery simulation, with airborne data acquisition and ground-based processing 2−17496
photographic applications
see also photogrammetry; photolithography; remote sensing
flow visualisation, aerodynamic testing using water towing tank techniques 2−11995
IR and microwave fields distributions meas., equidensity technique appl. 2−3068
medicine, photo-optical gait recording technique 2−17347
microfiche film developer 2−3139
moving picture CRT display for telecontrol, buffer memory design *(Japanese)* 2−17053
PCB manufacture from photographic masters, techniques and processes 2−9311
shock oscillations on spiked body obs., flow visualisation using laser interferometer 2−12003
UV laser beam diagnostics using Dylux instant image photographic material 2−25820
photographic developers *see photographic materials*
photographic emulsions
electron microscope auto-radiograph resolution depend. on nuclear emulsion parameters *(Russian)* 2−17288
Ag halide, for multiexposure holography, diffraction efficiency obs. *(Russian)* 2−10369
Ag halide light-sensitive plates HP-490 and developer FHP-3 for holographic appls. 2−20982
photographic filters *see optical filters*
photographic lenses
see also aberrations
variable focus lenses, methods for increased multiplicity *(Russian)* 2−21912
photographic light sources *see light sources; photography*
photographic material sensitivity
poly-N-vinylcarbazole layers with added dicyanomethylene derivatives of indandione-1,3 and isatan, electrophotographic sensitivity *(Russian)* 2−10433
AgBr evaporated film photosensitive material for new photolithographies 2−9687
ZnO sensitised by two dyes, electrophotographic behaviour 2−1785
photographic materials
see also photographic emulsions
continuous image recording using grey-tone dry-process Ag paper, medical appls. 2−3085
Dylux instant image photographic material for UV laser beam diagnostics 2−25820
electrophotographic, review of material prep. phenomena, and uses *(Japanese)* 2−1678
gelatin film, dichromated, volume phase hologram image formation, expt. study *(Russian)* 2−25877
holographic storage for documents *(Chinese)* 2−10371
Kodak film product operation for electrophotography 2−2096
magnetic brush developer, developer mechanism on developing powder fatigue and reproduced image quality *(Japanese)* 2−15629
optical data storage, recording materials, review 2−9968
quality control in photosensitized material manufacture, Japanese approach 2−4668
television colour negative film for high temp. use *(Japanese)* 2−11209
Ag halides, photocond. meas. using microwave cavity 2−11600
Se, amorphous, electrophotographic phenomena, review *(Japanese)* 2−1678
photographic recording media *see photographic materials*
photographic techniques *see photography*
photography
see also cinematography; colour photography; electrophotography; microphotography; photographic applications; photographic lenses; photographic materials; radiography; streak photography
bleached Ag-halide holography, high SNR 2−25861
continuous image recording using grey-tone dry-process Ag paper, medical appls. 2−3085
CRT display, print apparatus, elongated window at screen periphery 2−9373
CRT displays, colour, progressive brightness reduction compensation for photography 2−9372
digitally set exposure clock for photo-amateurs] *(German)* 2−3192
electronic camera equipment; using ICs *(Spanish)* 2−14256
flash sequencer, using comparator 2−4453
flash unit, Braun F910, electronic, portable, review 2−13050
flashmeter, construction details 2−17145
image detection and enhancement, optimal filtering approach 2−15927
Minute Chimer for use in darkroom, fifteen minute range 2−877
optical image subtraction, quantitative, by pulse-width modulation through one-dimens. contact screens 2−6476
PCBs using precision photography, characts. technology 2−19976
photographic, enlarger timer, with new features, construction details 2−9173
steel, stainless, optical inspection of small-diameter deep bores using rod optics with low-light television and still photography 2−5053
Stereo photography with stereo Ophthalmoscope 110, of Jena optical works 2−7314
synchronised shuttered video camera for high speed video photography 2−11253
synchronising circuit for photographic flashes *(Italian)* 2−5308
photography continued
timer, 0-99 s, using logic ICs, relay 2−19823
US distance measurement, used for automatically focused camera lenses 2−11614

photoionisation
nonpolar liquids, effect of some electron scavengers 2−1475
CO laser discharge, UV sustained, photoinisation study 2−1852
CO laser discharge, UV sustained 2−6153
CO_2 photoionisation laser with high pulse repetition freq. 2−25674
Cu_xS/CdS solar cells, characterisation by photocapacitance IR quenching 2−12863
GaAs-oxide interface states: gigantic photoionization via Auger-like process 2−14718
N_2, He-N_2 lasers, UV preionisation, laser discharge homogeneity improvement *(Chinese)* 2−25677

photolithography
see also masks; photoresists
100 nm Josephson microbridges, high-resolution fabrication 2−9918
amorphous semiconductors, photolithogrpahic processes 2−20337
bipolar ECL gate with 1.25 μm design rule, LSI technology appl., prep. by advanced photolithography 2−20395
bipolar VLSI technology, low-power I^2L/MTL ccts and high-performance ccts, optical lithography, potential appls. 2−20393
chalcogenide glass films, photoprocessing and lithographic appl. 2−25124
n- channel poly-Si gate FETs, fabrication using plasma oxidation techniques 2−20268
CMOS/SOS VLSI circuit fabrication using electron beam/optical hybrid lithography method 2−9745
dosimetry for X-ray and UV lithography, use of radiation sensitive films, radiachromic dye derivatives in polymer 2−20324
E-beam/photo lithographic process, dual-polarity, single-resist mixed 2−9696
electronic packaging and production, conf., Anaheim, CA, USA (Feb. 1981) 2−24001
fine pattern lithography for LSI fabrication dry development of deep UV resist with RF plasma *(Japanese)* 2−1419
holographic lithography, resist profile modification 2−25303
hybrid ICs, multi-layer substrate, fine pattern form, combination of thick-film dielec./thin film conductor, photolithography 2−20003
IC fabrication, current and future trends, equipment selection 2−9715
IC fabrication, lithographic strategies for the 1980s 2−9713
IC lithographic mask inspection *(Japanese)* 2−23982
IC process modelling with simulation program SAMPLE 2−9720
laser applications in information processing, lithographic platemaking 2−15586
laser frequency-sweeping interferometer, appl. in pattern generator 2−25116
lift-off pattern generation technology for use with Al_2O_3 sputtered films 2−24823
linewidth control in projection lithography using a multilayer resist process for 1 micron linewidth 2−9690
low temperature lift-off process 2−25291
LSI, characterization of registration and distortion in optical alignment equipment using automated sub-micron measurements 2−14957
LSI, technique for predicting optical distortion in projection optics system 2−14959
LSI 2−9691
LSI automatic alignment technique for reduction projection mask aligner using interf. fringes 2−14958
LSI overlay registration errors 2−14956
LSI technology, lithographic methods development, electron and X-ray-sensitive resists 2−1424
microelectronic measurement technology, conf., San Jose, CA, USA (March 1981) 2−14946
microelectronic technology, presensitized thick-film screens, in-house exposure 2−24824
microelectronics, lithography appls. and limitations 2−5785
microlithography, appl. of zone plates to alignment 2−25301
MOS device fabrication using X-ray lithography 2−20402
MOS static RAM, 4K×1, enhanced performance, use of optically-defined submicron devices 2−19686
negative Si lift-off technique 2−25289
nonimpact printing, high density conductive addressing circuits fabrication 2−19991
optical projection lithography, implications of EM field theory 2−20162
PCB, photosensitive dielectric stripper 2−24781
PCB 2−24801
PCB imaging, polyester photographic films with good size retention props. 2−5464
PCB resist printing with /thermomagnetography/ 2−14439
PCB UV exposure systems for contact and off-contact systems 2−24808
PCBs, precise imaging technique using glassmasters and Diazo photo-tools 2−14495
phase conjugation applications to photolithography 2−10361
planar bubble devices, fabrication by single lithographic exposure 2−9877
planar submicroscopic metal pattern replication with visible light, contact imaging methods 2−20170
projection lithography using positive resist., optical requirements 2−1276
projection photolithography for microelectronic component prod. *(Czech)* 2−1413
projection photolithography-liftoff techniques for production of 0.2-μm metal patterns 2−9919
projection printer wafer chuck interlock mechanism 2−1264
resistless imaging process for full additive printed wiring boards 2−14440
resolution and linewidth tolerances in electron beam and optical projection lithography 2−9684
semiconductor bulk sample shaping by photolithography and chem. etching 2−20169
shadowing techniques for fabrication of structs. in 100 Å linewidth regime, use of reaction ion etch and X-ray lithog. 2−20294
small area Josephson tunnel junctions, high resolution techniques for fabrication 2−9920
solar cells, HV multijunction concentrator, fabrication by IC technology 2−18578
submicron line fabrication using simple method 2−5659
submicron lithography, recent developments using electron beams and X-rays 2−25121
technology, conf., Dallas, TX, USA (May 1981) 2−18851
thin film technology for Bell System telecommunication ccts. 2−1052

photolithography continued
thin film transformer-coupled supercond. tunnel junctions, EM props. 2−9931
UV and X-ray, resolution, overlay, and field size for lithography systems 2−9681
VLSI, NSR-2 10 to 1 step and repeat projection printer, resolution and overlay precision 2−9692
VLSI circuits, lithographic and etching techniques 2−25324
VLSI fabrication, 10 to 1 step-and-repeat projection printer, resolution and overlay precision 2−20367
VLSI manufacture, lithographic methods, linewidths, scaling-down laws *(German)* 2−20346
VLSI technology, optical projection lithography, status in 1981 and trends for decade 2−20366
X-ray lithography, computer simulations of resist profiles 2−25306
X-ray lithography, high-brightness sources, prospects 2−20292
X-ray lithography, polyimide masks, high durability and dimens. stability, fabrication 2−20174
X-ray lithography, submicron, do, fabrication 2−20322
X-ray lithography, submicron, high-power source, 13.3 Å wavelength, high-resolution mask exposure 2−20320
X-ray lithography, wide-range alignment system 2−25300
X-ray lithography exposure machines, viewpoint on development, Si IC manufacture 2−5789
X-ray lithography system at Bell Laboratories for IC development and manuf. 2−9712
X-ray lithography using a pulsed plasma source, suitability and filtering to protect resist 2−20173
X-ray replication system for submicron lithography *(French)* 2−25123
X-ray source, gas puff Z pinch 2−25276
X-ray system for submicron VLSI techniques *(Japanese)* 2−25112
AgBr evaporated film photosensitive material for new photolithographies 2−9687
Al/Cu conductor stripes with polyamide passivation, electromigration 2−14807
Au transmission gratings with submicrometre spatial periods, fabrication, holographic lithog., X-ray lithog. and microplating 2−20704
CMOS/SOS VLSI sub-μm transistor gate, electron-beam/optical hybrid lithog. 2−20405
GaAs digital ICs, sub-μm transistor gate, electron-beam/optical hybrid lithog. 2−20405
GaAs low-noise MESFETs, high aspect-ratio 0.1-μm gate technique, optical lithography 2−14868
$MoSi_2$ MOS structures, edge defined patterning 2−9733
Nb weak-link Josephson single-flux-quantum logic circuits 2−9910
Si lift-off technique 2−25290
Si, semiconductor device processing, book contrib. 2−1277
Si:P-Nb Josephson struct., high resistance 2−25455
SiO_2 grating patterns, X-ray lithography and reactive ion-beam etching fabrication 2−1309

photoluminescence
see also fluorescence; phosphorescence
$Ga_xIn_{1-x}P$-GaAs heterostructures, luminesc., effect of mismatch between lattice consts. and thermal expansion coeffs. 2−6100
glasses, highly conc., spectroscopic and lasing props. 2−25747
hydrocarbon liquids, prebreakdown disturbances and luminescence obs. using laser schlieren technique 2−1485
metaphosphate glass dosimeters, radiophotoluminesc., time-resolved study 2−11803
monoalkylammonium chlorides activated with Tl, phosphors, luminesc. study 2−6104
multicolor holographic readout systems 2−20972
semiconductor, high-resolution optical spectroscopy characteris., review 2−9395
semiconductor, photolum. and photolum. excitation spectroscopy characteris., review 2−9394
semiconductor superlattices, electronic properties, struct. and growth techniques 2−1221
$AlAs-Al_xGa_{1-x}As$-GaAs superlattices, absorpt., stimulated emission and clustering 2−25050
$Al_xGa_{1-x}As$ epilayers, mm thick, Peltier-induced LPE, photoluminescence microanalysis 2−4986
$Al_xGa_{1-x}As$ grown by MBE, photoluminescence studies 2−10125
$Al_xGa_{1-x}As$ MBE layer, Al-Ga disorder 2−1171
$Al_xGa_{1-x}As$:Si graded-band-gap p-n structs., photoluminescence spectra 2−10124
$Al_xGa_{1-x}As$:Sn, MBE grown, photolum. spectrum, As/Ga flux ratio effect 2−1793
$Al_xGa_{1-x}As$-GaAs quantum-well heterostruct. lasers, MBE growth, clustering and phonon effects 2−6227
$Al_xGa_{1-x}As$-GaAs quantum-well heterostruct. lasers, MBE grown, alloy clustering, photoluminesc. study 2−25792
AlSb, LPE from Sb solns. 2−13821
$BeAl_2O_4:Cr^{3+}$, spectroscopic and lasing props. 2−10278
(Ca,Sr)S:Cu phosphor, luminescence centres and charge compensation 2−10134
$CaF_2.3Ca_3(PO_4)_2$:Ce, Mn phosphors, luminesc. depreciation 2−25609
CaO(S)(Se):Pb^{2+} phosphors, luminesc. spectra, mag. field effect *(French)* 2−20734
CaS phosphors, doped, luminescence centres and charge compensation 2−10134
CdS photocell, cathodolum., photolum. and SEM studies 2−25617
CdTe undoped p-type annealed in vacuum, electrical and crystalline props. 2−1189
GaAlAs, growth by low-pressure MO-CVD, gettering of O_2 2−602
$Ga_{1-x}Al_xAs$, IR emitting diode, bandwidth and optical output power determined by photoluminescence measurement 2−1818
$Ga_xAl_{1-x}As$ epitaxial layers on GaAs, morphology, photoluminescence topography study 2−4987
p-GaAs, heavily doped, hot carrier relax., picosecond luminesc. study 2−24983
GaAs, high purity prepared from trimethylgallium and arsine 2−601
GaAs, high-purity, VPE in $AsCl_3$-Ga-N_2 system 2−24292
GaAs, hot carrier photoluminescence, picosecond correlation effects 2−25594
GaAs, laser annealing induced defects 2−20078
GaAs, photoluminescence spectra, obs. of emission band at ~1.40 eV 2−20727
GaAs, proton bombarded and annealed, photolum. 2−15394

photoluminescence continued
GaAs, VPE layers, implanted and annealed, elec. and optical props. 2−24969
GaAs:Cr, photoexcited charge carrier recombination processes *(Russian)* 2−1190
GaAs:Fe, heat treated substrate, photoluminescence props. studies 2−9425
GaAs:Ge(Se), neutron transmutation doping, elec. and physical props. 2−9562
GaAs:Mn,Fe, heat treatment effects on surfaces, thermal redistrib. of impurities 2−1195
GaAs:Zn, nonequilib. substitutional-interstitial Zn diffusion, photoluminesc. study 2−9557
GaAs/(Ga,Al)As, transmission photocathode, growth by MO-VPE 2−1812
$GaAs-Ga_xAl_{1-x}As$ DH and multiple quantum well superlattices, luminesc. props. and struct. 2−25589
$GaAs_{1-x}P_x$, direct-gap, electron-hole plasma expansion, photoluminesc. study 2−14648
$GaAs_{1-x}P_x$ layers, mixed cryst. comp. rel. to vapour phase comp. in Ga-HCl-PH_3-AsH_3-(NH_3)-H_2 system 2−19405
GaInAs-AlInAs structures grown by molecular beam epitaxy 2−8808
$Ga_{0.47}In_{0.53}As$, LPE growth, baking temp. effect on purity, photoluminesc. and elec. props. 2−13823
GaInAsP-InP layers, long wavelength, temp. depend. photolum., surface recomb. vel. 2−1967
$Ga_xIn_{1-x}P$-GaAs MBE DH, interface recombination vel. and misfit strain, photoluminescence study 2−9480
GaP diodes, deep recombination centre parameters, TSC study 2−20231
GaP, lanthanide doping influence on elec. and photolum. props., LED material 2−24965
$In_{0.53}Ga_{0.47}As$, electron transport and photoluminesc. meas. 2−1193
$In_{0.53}Ga_{0.47}As$, near-band-gap absorpt. and photolum. 2−20729
InGaAsP DH layers, laser charact., nonradiative recomb. effect 2−20901
$In_{1-x}Ga_xP$, metallorganic VPE 2−569
n-InP LPE layer, donor-acceptor pair recomb. from donor ground and first excited states 2−1197
InP, liq. encapsulated Czochralski growth, B contamination and precipitation 2−4979
InP, VPE on InGaAs, growth for photodiode appl. 2−24298
InP-InGaAsP heterostructure, electrolum. polarization due to internal strain 2−25605
KI:Tl phosphor, uniaxial stress effect on A emission band at low temp. 2−10131
Li-La phosphate glass:Cr^{3+}, Nd^{3+}, energy transfer between Cr and Nd ions 2−25760
MgS:Pb^{2+} phosphor, luminesc. spectra, mag. field effect *(French)* 2−20734
Nd phosphate concentrated laser glasses, review 2−20863
$Pb_{1-x}Sn_xTe$:Bi; photo- and electroluminescence spectra 2−6099
Si, amorphous, p^+-i-n^+ junction, injection electroluminesc. and photoluminesc. 2−25602
Si, amorphous, photolum., influence of excitation density and n-type doping 2−25603
Si, amorphous, plasma deposited and CVD coatings, ion implantation, elec. cond. and photoluminesc. 2−20095
Si amorphous film, props. control by control of plasmachemical prep. processes, use in solar cells 2−19429
a-Si, glow discharge, fatigue effect in luminesc. at low temp. 2−25606
Si wafer, Czochralski grown, photolum. characteris. of thermally-induced defects 2−9412
Si:H, O sputtered films, amorphous, optoelectronic props., effect of O 2−25580
Si:H,Cl amorphous film, photolum. studies 2−25604
Si:H amorphous films, photocond. and photolum 2−25578
Si:H amorphous films for electrophotographic appl., photoelec. props. 2−24928
a-Si:H films, impurity doping, morphological study, electrical and optical properties 2−25022
Si_xC_{1-x}:H, amorphous films, photocond. and photolum 2−25578
$a-Si_xNi_{1-x}$:H, wide optical-gap, photoconductive, elec. and optical props. 2−15380
SrS:Cu phosphors, luminescence centres and charge compensation 2−10134
Y_2O_2S:Eu phosphors, excitation mode into charge transfer band 2−20733
ZnO, annealed sputtered film, DC electroluminescence and photoluminescence 2−1794
ZnO luminophores, low-temp. studies on grain-size effect on electro-optical effects 2−24961
ZnO sputtered thin films, luminesc. props. 2−25591
ZnO, stimulated emission obs. at high one-photon excitation level, UV photolum. 2−20858
ZnO:DyAg, phosphors, electrolum. and photolum. obs. 2−6103
ZnS:Gd (Cu,Gd)(Mn,Gd), electroluminescent, optical props. 2−20735
ZnSe crystals, effect of heat treatment in Zn, Se, Cd vapour on optical and electro-optical props. 2−5549
ZnSe, metalorganic chemical VPE growth, photoluminesc. and Raman scatt. obs. 2−19412
ZnSe single crystals subjected to one- and two-photon excitation, luminesc. and lasing 2−20869
$ZnSiO_4$, doped and undoped, photoluminesc. and photocond. 2−25612
$ZnSiO_4:Mn^{2+}(Mn^{2+},As)$, photoexcited and photostimulated luminesc. and cond. 2−25610
Zn_2SiO_4:Mn phosphors, electron trapping and luminesc. mechanisms, tunnelling model 2−1795
ZnTe, laser induced O diffusion, photoluminesc. study 2−25141

photolysis
laser photochemistry at surfaces for microelectronic appls. 2−1318
perfluoroalkyl iodide photolysis, appl. to absorpt. cell construction for I photodissoc. laser 2−20926
photoelectrolysis cell, current-voltage characteristics 2−18408
H_2O, photoelectrolytic decomposition using ceramic electrodes 2−18405
I laser, photolytic, nuclear pumped, photon transport computer code simulation 2−25693
I photodissociation lasers, spectroscopy and primary processes in photolysis of iodides 2−25717
N_2 gas laser photolysis system, microcomputer controlled, appls. *(Japanese)* 2−6255
N_2 laser system with subnanosec. pulse duration for flash photolysis 2−10230

photomagnetic effect
No entries

photomagnetoelectric effects *see photoelectromagnetic effects*

photometers
see also photometry; spectrophotometers
flashmeter, construction details 2−17145
light density meter, for testing displays, design and construction *(Hungarian)* 2−11643
light meter, using LE DPM200 panel meter, digital readout 2−3203
Minolta spotmeter-M, exposure calculation meter *(German)* 2−3155
CdS photoresistor for insolation measurement at University of Nigeria 2−17184

photometric light sources
No entries

photometry
see also brightness; colorimetry; densitometry; spectrophotometry; stellar photometry
antireflection coating layer photometric optical thickness monitoring 2−10103
autoradiographic intensification of electronographic imagery 2−16861
computer-controlled, large-screen display resolution meas. 2−3074
exposure control integrating system for colour holography 2−6278
floodlighting projectors, beam cross-over distance for photometry of lighting projectors 2−18756
floodlights, choice of test distance to control errors in the photometry of round projectors focused at a long distance 2−18755
fluorometry, phase-modulation, photomultiplier tube timing errors correcton 2−20048
geophysical photometric detector, with automatic display regulator *(Russian)* 2−7411
insolation measurement at the University of Nigeria using CdS photoresistor 2−17184
IR image visualisation/photometry, automatic TV system based on principle of iso-energy contours *(Russian)* 2−11387
IR photometric analyser for moisture meas. 2−7095
laser pulse, focused, intensity distribution meas. using digitised TV 2−22416
light identification and measurement *(French)* 2−16987
light intensity-to-frequency converter, for incorporation into MOS circuits 2−22286
liquid crystal display, twisted nematic, multiplexability, colorimetric and photometric study 2−10082
luminescence investigations, vision research implications 2−28210
microcomputerised light measuring equipment *(Japanese)* 2−7014
Xe arc lamp, radiant flux stabilisation 2−18740

photomultiplier tubes *see photomultipliers*

photomultipliers
120 channel HV regulator, DATEP, for gamma detector photomultipliers 2−17310
channel electron multipliers arrays for solar X-ray spectrometer/spectroheliograph, props. 2−17316
Cherenkov radiation meas., quantum sensitivity obs. and calc. 2−11814
CRT phosphor noise subtraction system 2−20015
dynode exoelectron emission, vacancy diffusion mechanisms 2−1130
electrographic camera, superconducting magnet homogeneity, stabilisation *(Chinese)* 2−9946
fatigue due to excitation by pulsed light sources 2−20049
FEU-119 photomultiplier, one-electron characteristics 2−14594
FEU-49B photomultiplier, protection from terrestrial mag. field 2−14253
FEU-83 photomultiplier, one-electron pulse distrib. shape changes during meas. over wide spectral range 2−9381
gain regulation system using LED and optical fibres 2−17236
HV power supply, stabilised 2−704
intrinsic background radiation from impurities, meas. for ^{232}Th, ^{238}U, ^{40}K conc. 2−11823
low-level ultrafast differential discriminator for photomultipliers appl. 2−27085
microchannel plate development and appls. 2−1128
nucleon decay detector, data acquisition and triggering system, pattern recognition 2−17307
optical receiver, of laser range finder, time-gain control 2−16513
Philips phototube XP 2008, gain variation in freq. domain at very short term 2−14592
photon counting systems, one-electron pulse selector circuit 2−14039
remotely controlled power supply for photomultipliers 2−27079
resistive anode imaging photon detector, performance assessment 2−20047
scintillation detector optimization using GUERAP-3 computer program 2−11822
signal shaping ccts., highly sensitive 2−14251
time sweep resolution in electron photomultiplier, determ. using contrast-time characteristic 2−1131
timing errors correction, phase-modulation fluorometry appl. 2−20048
ultrafast electron-optical transducer, point scatt. function 2−1132
weak light flux investigation using cooled photomultiplier *(Bulgarian)* 2−11482
GaP first dynode photomultiplier tubes, anomalous variations in dark pulse rate 2−20050
InGaAs-InP, avalanche photodiode, low leakage, LPE-grown 2−1811

photon correlation spectroscopy
clipped photon correlations, self-scaling 2−15925

photon counting
clipped photon correlations, self-scaling 2−15925
communication theory, tapping of fibre optic links to elude detect. 2−15959
monomode fibre, Rayleigh backscattered signals obs. using multichannel photon counting technique 2−9979
nonlinear radiation receivers, quantum efficiency of detection 2−7110
photomultiplier, type FEU-83, one-electron pulse distrib. shape changes during meas. over wide spectral range 2−9381
weak light flux investigation using cooled photomultiplier *(Bulgarian)* 2−11482
He-Ne laser, photoelec. counting meas., detuning effect on fluctuation props. 2−25702

photon echo
nonlinear echoes, phase conjugation, time reversal, and electronic holography, review of expts. 2−26118
optical waveguide, light echo 2−25853
ruby, nonsimultaneous four-wave interaction, reversed photon echo charcts. *(Russian)* 2−20969
time domain optical information storage in systems capable of photochemical hole burning 2−25837

photon-phonon excitations *see polaritons*

photon polarisation
No entries

photorefractive effect
holographic data processing using photorefractive crysts. 2−15566
integrated optics devices, fabrication technology 2−25542
optical beam asymmetric self-defocusing from photorefr. effect 2−25839
As_2S_3 amorphous film waveguide, optical grating device fabrication 2−1740
$BaTiO_3$ photorefractive-index gratings formed by nanosec. optical pulses 2−2038
$Bi_{12}SiO_{20}$ crystals phase conjugation, real-time nondestructive testing appl. *(French)* 2−25875
$Bi_{12}SiO_{20}$, photorefractive electrooptic cryst. with vol. phase hologram, light diffr. 2−10379
$Bi_{12}SiO_{20}$ photorefractive crystal, phase conjugation by real-time holography and degenerate four wavemixing 2−15559
$Bi_{12}SiO_{20}$ photorefractive crystals, two-wave mixing and energy transfer, image amplification, vibr. anal. 2−20988
$KNbO_3:Fe^{2+}$, volume phase holograph form., coherent light amplification and optical phase conjugation 2−20949
$LiNbO_3$:Fe, one-and two-photon holograms, optical erasure 2−6275
$LiNbO_3$:Fe, optical erasure dynamics of one- and two-photon holograms 2−20971
$LiNbO_3$:Fe, photorefractive electrooptic cryst. with vol. phase hologram, light diffr. 2−10379
$LiNbO_3$:Ti waveguides, electrooptic-photorefr. modulation 2−16459

photoresistors
explosions, photodetection for fire control *(Polish)* 2−16986
measurement, pseudobalance of four-arm bridges supplied with sinusoidal voltage 2−17044
nonlinear distortion in low-frequency region *(Russian)* 2−961
point contact, voltage signal in circuit under max. sensitivity conditions *(Russian)* 2−24739
precision diffused resistors, tolerance improvement process 2−24733
CdS photoresistor for insolation measurement at University of Nigeria 2−17184
CdS:Cu, Cl, photosensitivity deterioration *(Russian)* 2−964
CdSe photoconductive thin film, photopotentiometers, heat treatment, anal. and charcts. 2−20742
CdSe sandwich struct. photoresistors, manufacture and elec. props. *(Russian)* 2−1254
GaAs:Mn, photoresistive detector, elec. and photoelec. props. 2−19899
In_2O_3-CdSe-VO_2 heterojunctions, optical control of spectral charcts. 2−20722

photoresists
see also electron resists
AZ resist, micron sized images, high temp. flow resistance 2−25115
azide-phenolic resin photoresists for deep UV lithography 2−9686
day film photoresists, factors affecting fine line reproduction 2−24785
deep UV lithography, Meldrum diazo analogs 2−20165
deep UV photoresists, Meldrum's diazo sensitizer 2−9685
deep UV projection lithography using novel negative resist 2−20368
deep UV resists, based on polymer chain scission or solution inhibitor mechanisms 2−5791
deep-UV positive photoresist, poly(methyl methacrylate-co-indenone), Si IC technology appls. 2−20323
diffraction grating fabrication for integrated optics 2−15342
etching by UV light 2−9576
fine pattern lithography for LSI fabrication dry development of deep UV resist with RF plasma *(Japanese)* 2−1419
high-density PCB manufacture, liquid negative working photoresists, state-of-the-art 2−5462
holographic diffr. gratings, formation in photoresists. 2−10373
holographic gratings, blazed form. by surface waves and replication by metal electroforming 2−2042
IC technology, single-step lift-off process evaluation using SEM response surface anal. 2−20370
ion-etched gratings for laser applications 2−2048
LSI photolithography, two-level resist technology, recent developments, PMMA 2−20334
methyl α-trifluoromethylacrylate radiation-sensitive polymer, appl. as electron and UV resist in microelectronics 2−5775
MIC fabrication, Au selective electroplating, elimination of photoresist degradation, beam-lead devices 2−9228
microlenses for coupling single-mode fibres to thin-film waveguides, photoresist lens fabrication 2−6025
monomolecular, dissolution model 2−20180
multi-layer resist systems, review relating to lithographic VLSI production 2−5790
multilayer resist structures, plasma formation of buffer layers 2−1269
multilevel resist. approach to ideal projection photolithography for IC fabrication 2−20369
negative electron/X-ray resist., 1.0 μm resolution following exposure, poly(alkyl methacrylate)-co-(2-hydroxyethyl methacrylate) 2−20325
negative photoresist layers, polymer-azide system double exposure method for producing positive images *(Russian)* 2−9326
PC technology, fine line reproduction in dry film photoresists, chemical makeup of resist 2−24788
PCB dry film photoresist developers, correl. between solvent inhibitor formulation and processing problems 2−5460
PCB dry film photoresist performance prediction by resist sidewall anal. 2−14441
PCB fabrication, baking photoresist after exposure but prior to developing to improve adhesion 2−1033
PCB fabrication technique, epoxy glass laminates, curing, photoresist exposure and development, electroless Cu plating 2−1034
PCB fine line imaging, resist channel formation, uniform width, process definition/control 2−14505
PCB imaging technique, using dry film over unscrubbed electroless copper 2−9307
PCB manufacture, liquid photopolymer resists. and solder masks, PROBIMER 48/52 products 2−14464
PCB manufacture, UV liquid photoresist, photographic imaging, new process 2−5461

photoresists continued
PCB manufacture, vertical continuous processing for photoresist removal and Cu etching, chemical methods 2−5449
PCB photoresist sidewall form. rel. to conducting path manufacture during electroplating process 2−14515
PCB primary imaging, total aqueous developed dry film photoresists, costs and performance advantages 2−5463
PCB processing using aqueous-type photoresist, absolute control of developer/stripper solns. bleed and feed method 2−1032
PCB resist printing, CIRTRAK system for screenless image transfer 2−14494
PCB resist stripping process, US appl. 2−14506
PCB screen printing with UV curable resists 2−5459
PCB technology, photopolymerisable epoxy resins, appls. 2−14418
photolithographic step using optical technique 2−25287
plasma developable resist compositions, total dry microfabrication in submicron lithography 2−20326
plasma developable resists, by development of submicron lithography 2−1272
plasma etching stripping process, chemiluminescence end-point detect. 2−20211
plasma-developed X-ray photoresists using organosilicon monomers, design problems 2−20293
plastics, communications industry appls. 2−13861
polymeric resist materials, recent developments 2−1274
polyvinyl alcohol, photoresist for electron beam exposure 2−9529
positive photoresist development characterisation 2−9536
positive resist and developer lot-to-lot variability meas. for Si wafers, laser end point detect. apparatus 2−1265
reactive ion etching with Ar+methane, high resolution pattern prep. 2−14785
reactive sputter etching, plasma diagnosis by mass spectrometer, etching of Al, SiO_2 and photoresist 2−14793
resin-inhibitor system, methyl methacrylate-methacrylic and copolymer and o-nitrobenzyl carboxylates, appl. 2−20175
semiconductor technology, all dry mask making process by gas plasma 2−14746
Shipley AZ 1350J positive photoresist, photosensitivity, temp. effect 2−24822
thick layers, O plasma etching 2−5660
thickness meas. of thin photoresist. film, optical microscopy and interferometry appl. 2−24826
thin film head assembly with side-by-side elements 2−20510
UV, micro resist. for shorter wavelengths negative resist., deep UV 1:1 projection lithography 2−9682
UV hardening of photo- and electron-beam resist patterns, reduction of image flow during reactive ion etch 2−20313
UV-hardening of resist patterns for microcircuit fabrication 2−14524
VLSI circuit mask production techniques and machines used *(Swedish)* 2−25283
VLSI fine-feature fabrication, photoresist pretreatment in N_2 plasma to improve props. by reduction of flow during postbake 2−20312
VLSI technology, reactive ion etching of poly-Si and Al films, dry development of photoresists, dry cleaning of substrate 2−20372
VUV photochem. reactions, Fourier transform IR difference spectra study 2−5651
X-ray lithography, computer simulations of resist profiles 2−25306
X-ray lithography, high-power exposure system for evaluation of resist processes, mask substrates and alignment 2−20321
As_2S_3, photosensitive solubility, photoresist appl. 2−24825
GaAs (100) planes, grating corrugation form *(Chinese)* 2−10101
Se-Ge/Ag amorphous resist, anomalous Ag surface diffusion 2−1270
SiO_2 and photoresists with B ion implantation, masking props. 2−25150

photosynthesis
chlorophyll-liquid crystal electrodes for photoenergy conversion modeled on photosynthesis 2−12771
solar radiation-driven energy conversion model 2−28114

phototelegraphy *see facsimile*

photothermal conversion
see also solar absorber-convertors
all-solar electric residence, Carlisle house 2−23644
ceramic materials, for German solar tower power plant 2−3971
concentrating photovoltaic-thermal systems vs. side-by-side systems, cost effectiveness 2−23553
photovoltaic concentrating energy system for heat/electricity generation at Wilcox Memorial Hospital on Kauai in Hawaii 2−23213
photovoltaic concentrator module for combined heat/electricity generation, construction and testing 2−23472
photovoltaic/thermal concentrating collector prototype, tests and performance 2−23468
photovoltaics for residential applications in France, future prospects 2−18522
profitability prediction in the development of new technologies *(German)* 2−23228
residential air-conditioning system for heating and cooling, alternative power sources 2−23776
solar heating and cooling simulation programs for electric utilities 2−12180
solar heating and cooling simulation programs for electric utilities, assessment and evaluation project, five major activities 2−12181
solar materials science (book) 2−4586
solar thermoelectric generators, Bi_2Te_3 alloys production for use as thermoelements 2−8019
thermoelectric generator, solar, design, regime characts., and comparison of calculated and experimental data 2−8016
GaAS photovoltaic systems for combined heat/electricity generation, using high solar concentration ratios 2−23470

phototransistors
BPW-30 photodarlington transistors, use in light density meter *(Hungarian)* 2−11643
optical detector system, self-level adjustment 2−22274
optoelectronic document sensor using phototransistor and LED, output amplifier 2−22245
optron constructed from LED and composite phototransistor, frequency and transfer characts. 2−15414
planar optocouplers in laminar circuits *(German)* 2−20739
reflection detector using LED light source and planar phototransistor detector *(Italian)* 2−11486
$Ga_{0.47}In_{0.53}As$, low temp. LPE growth 2−8817

phototransistors continued
InGaAs/InP heterojunction phototransistors performance comparison with p-i-n FETs and APD-FETs, optical fibre communication systems 2−20745
InP-InGaAs small area high speed photo-transistor, fabrication and characts. 2−10137

phototubes
see also photocathodes; photomultipliers
calibration of absolute sensitivity *(Chinese)* 2−5518
instantaneous-action TV image dissectors and applications 2−26778
phototron, direct conversion of light to radio frequency energy 2−9382

photovoltaic cells
see also solar cells
development review *(Croatian)* 2−28106
domestic solar photovoltaic power systems, design and installation 2−23420
electric power from photovoltaic installations, practical appls. 2−18470
energy conversion optimisation, photovoltaic generators *(French)* 2−12855
evaluation of photovoltaic systems and equipment used in developing countries *(French)* 2−23477
ferroelectric materials, photovoltaic effect, bulk 2−15403
flat plate photovoltaic module cell temps., tests in simulated field conditions 2−23552
flywheel energy storage system testing and evaluation 2−8293
French public photovoltaic market stand-alone appls. 2−18580
German terrestrial photovoltaic activities, status 2−18579
interchangeable linkage of photovoltaic solar generators *(German)* 2−18467
luminescent solar concentrator for photovoltaic systems, efficiency, temp. depend. 2−25631
merocyanine dye, solid-state Schottky barrier and liquid junction cells, photovoltaic props. 2−10140
nonimaging concentrators for photovoltaic arrays in space 2−18532
optimal power generation, microprocessor control *(French)* 2−1799
parabolic trough photovoltaic performance, technique for comparison 2−18577
passive heat pipe photovoltaic receiver, heat exchanger 2−18575
phthalocyanine photovoltaic cells, metal-free, x-phase, transient photoresponse meas. 2−10149
phthalocyanine Schottky barrier solar cell, In/x-metal free 2−7993
piezoelectric materials, photovoltaic effect, bulk 2−15403
point-focus photovoltaic concentrator modules, compatibility of Fresnel lens and photovoltaic cells 2−18574
power supplies for one family housings, economic survey *(Spanish)* 2−18482
power systems, simulation and design 2−23555
progress in large area photovoltaic devices based on amorphous silicon alloys 2−18542
real-time performance testing of photovoltaic concentrator modules 2−16844
research and development trends in France *(French)* 2−23479
role of the photovoltaic technology in changing the society of Europe and developing countries *(French)* 2−23476
satellite power management 2−18526
satellite power supply photovoltaic blankets, cost and performance projections 2−17516
semiconductor converters/inverters for photovoltaic power supply 2−18348
semiconductor photovoltaic devices for solar energy conversion, efficiency max. rel. to struct., tandem cell 2−23488
semiconductor solar cells, manuf. and performance evaluation *(Italian)* 2−18468
SERI-DOE Electrochemical Photovoltaic Cell program 2−23631
solar generator, control circuit for max. power point tracking system *(Spanish)* 2−4348
solar photovoltaic arrays, arrays, low-cost, glass encapsulation 2−23440
solar power satellite photovoltaic solar array development requirements, assessment 2−27822
solar power satellite technology, critical aspects 2−27823
solar power systems, review of development and appls. 2−4364
space photovoltaic generator, design and testing, rational approach 2−22696
spacecraft thermophotovoltaic power source with thermal storage 2−12035
US photovoltaic industry, government-industry relationships in technology commercialisation 2−23434
GaAs high concentration photovoltaic cells, thermal impedance effects 2−18576
n-GaAs/propylene carbonate electrochem. photovoltaic cells 2−18410
Ge-GaAs bicolour system, Ge solar cell design and efficiency anal. 2−4367
InP single crystals, n- and p-type, phototransport parameters, application in solar cells 2−6095
PbS photosensitive films for thermophotovoltaic appl., dip-dry process for prep. 2−18495
Se-CdO photovoltaic cell fabrication by reactive sputtering 2−18490
Si, amorphous, CVD growth, struct., optical, and elec. props. 2−20099
Si, amorphous, photovoltaic devices, device physics and optimum design 2−25627
Si concentrator solar cells, process optimisation and production experience 2−18569
a-Si, new photovoltaic devices, review 2−25628
Si p^+-n-n^+ concentrator solar cells, characterisation 2−18568
Si p-i-n diode thermophotovoltaic cells recent developments in theory, fabrication and testing, high conversion efficiency design 2−18524
Si, semicryst. solar cells 2−4342
Si solar cell, metal-insulator-semiconductor p-n, ion implantation doping 2−28104
Si solar cells for high concentration levels 2−18567
Si vacuum deposited thin film solar cell, TiB_2 thin film electrode behaviour 2−28113
SnO_2/CdTe photovoltaic cells, prep. and characterisation 2−12874

photovoltaic effects
see also Dember effect
amorphous semiconductors, electronic props., appl. to solar photovoltaic cells *(Dutch)* 2−5581
copper phthalocyanine-metal junction Schottky barrier, photovoltaic effect 2−14695
detector arrays, backside-illuminated, MTF modelling 2−15405
ferroelectric materials, photovoltaic effect, bulk 2−15403

photovoltaic effects continued
metal-chalcogenide amorphous semicond. system, elec. contact props. 2−1230
MOS structure, surface photovoltage, surface pot. fluctuations effect 2−5634
oxide semiconductor electrodes, photovoltage response to temp. change 2−25567
photon drag effect, polarisation, spectral and temp. characts. 2−1784
phthalocyanine Schottky barrier solar cell, In/x-metal free 2−7993
piezoelectric materials, photovoltaic effect, bulk 2−15403
semiconductor material/device characteris. using two-wavelength laser scanner 2−10405
semiconductor wafer, resist. variation meas. using photovoltaic method *(Japanese)* 2−22347
semiconductors, for solar cells terrestrial and satellite solar power stations *(Polish)* 2−28120
semiconductors, nonstationary EMF *(Russian)* 2−15390
soar cell processing, electrodeposition by use of internal photovoltage 2−18477
solar cells, photovoltaic characts. in p-n junctions, heterojunctions, Schottky and MIS structures *(Japanese)* 2−4360
solar pumps, development by pompes GUINARD *(French)* 2−12856
tetrabromophenol blue, adsorption on ZnO and resulting photovoltaic properties under He-Ne laser 2−15392
$Cd_xHg_{1-x}Te$ p-n junction IR photovoltaic detectors, elec. props. 2−15406
CdS-CdSe(CdTe) solid-phase substitutional heterostructs., photoresponse 2−5615
CdS-Cu_2S thin film heterojunctions, photovoltaic properties 2−20131
CdTe sputtered thin films, photocond. and photovoltaic effects 2−25581
CdTe-Langmuir film MIS solar cells photovoltaic props. 2−23426
CdTe-ZnSe heterojunction, photo-EMF anomalous mechanism under two-photon excitation 2−14685
$CuInS_2$ photovoltaic material, growth and elec. props., solar cell and cell array appls. 2−20726
Cu_2S/CdS solar cells, transient photovoltaic effect 2−28121
GaAs surface, (110), Fermi level pinning, contact pot. difference and surface photovoltage topography study 2−1181
n^+-GaP-stearic acid-Au MIS Schottky diodes, elec. and photoelec. props. 2−20228
GaSe, diodes, Schottky barrier study, photo-EMF 2−9622
p-GaSe-n-$CuInSe_2$ heterojunction, photoelec. and elec. props. 2−9491
In_2O_3-SnO_2/Si photovoltaic junction, current-voltage characts. 2−5597
InP, polycrystalline, low temp. growth, elec. props. meas. 2−13810
InSe, transport and photovoltaic props. 2−23458
In_2SnO_3-InP solar cells fabrication and characts. 2−23456
Pb chalcogenides, photovoltaic detectors, R_0A product temp. depend. 2−10141
$Pb_{1-x}Sn_xSe$ photovoltaic detectors, minority carrier lifetimes, resist.-area product 2−15374
n-$Pb_{1-x}Sn_xTe$(In)-p-PbTe heterojunction, electrophysical props. 2−9486
n-SI MOSFET-type struct., electronic response to illumination, surface effects 2−10116
Si amorphous p-i-n junction, drift type photovoltaic effect 2−25106
p-Si, float zone, in CCD imagers, deep levels study 2−5534
Si, heteroepitaxial, characterisation 2−24923
p-Si, minority carrier diffusion length meas., evaluation of surface photovoltage method 2−14628
Si p-n junction, cut-off freq. meas. using chopped photon beam 2−20124
Si, polycrystalline, solar cells, grain size dependence of photovoltaic props. 2−18489
Si, polycrystalline, X-ray tropography and photoresponse of grain boundaries, solar cell appls. 2−23625
Si, polycrystalline films, diffusion length meas. method based on photovoltaic conversion 2−6088
Si solar cells, minority carrier lifetime, laser-transient photovoltaic effect study 2−28110
Si wafer, n- and p-type, resist. variation, photovoltaic method meas. *(Japanese)* 2−22347
Si:H, Li amorphous film, DC glow discharge deposited, photovoltaic effect 2−25571
p-Si:Pd, natural and doped surfaces, IR photosensitivity, external elec. field effect 2−1790
Si-SiO_2-Ta sputtered coating, interface stresses and elec. props. 2−14730
$Sr_{0.5}Ba_{0.5}Nb_2O_6$ ferroelec. ceramics, Cu doped, spectral photovoltaic response 2−15056
Te-amorphous Se:Te-amorphous Se-Al, p-i-n semicond. diodes, negative resist. characts. and hysteresis effect 2−14662
Zn_3P_2-Au(In) Schottky barrier solar cells, photo-voltage spectral response 2−18544
Zn_3P_2-metal contact, photoeffects, solar energy convertor appl. 2−14691

photovoltaic generators, solar *see photovoltaic cells; solar cells*

physical chemistry
see also chemical analysis; chemical equilibrium; crystal chemistry; electrochemistry; photochemistry; radiation chemistry; surface chemistry; thermochemistry
No entries

physical data, collections of *see collections of physical data*

physical instrumentation control
balance, electronic, Delta Range series, laboratory automation 2−3285
balances, automatic, digital, nonlinear theory 2−7013
crystal growth, microprocessor-controlled system, design and implentation 2−13811
differential spectrometer, high precision, for quantitative exam. of surfaces 2−17149
dilution refrigerator, automated temp. control and data acquisition system 2−11395
double-crystal X-ray topography, automatic flank controller 2−7307
electron beam exposure sytem, positioning stage driven by hydraulic cylinder 2−14522
high current ion implantation system, control techniques 2−1287
ion implantation, dose control technique 2−5678
laser displays, audio-controlled 2−15579
laser interferometric measurement and computerized evaluation of ultrasonic displacements 2−11339
laser spectroscopy, one- and two-photon, microcomputer-based data acquisition and laser control circuitry 2−11396
laser velocimeter with microprocessor controlled positioning, subsonic wind tunnel appl. 2−22621
methane/total hydrocarbon automated analyzer for aircraft atmospheric meas. 2−12075

physical instrumentation control continued
microscopes, capabilities extension electron and optical, micro computers appl. 2−5525
multilaser expts., computer-controlled timing system 2−9058
photoelectron spectrometer, computer-controlled, calibration technique 2−22509
radioisotopic instruments, servo-compensation method *(Chinese)* 2−22513
refractive index meas. for bulk materials at UV, visible and IR wavelengths, computerised system 2−26747
scintillation counter, liquid, automation techniques development 2−3401
spectroscopy experiments, automatic liq. N_2 filling system 2−16927
N_2 gas laser photolysis system, microcomputer controlled, appls. *(Japanese)* 2−6255

physical metallurgy *see metallurgy*

physical optics
high-sensitivity microwave optics 2−14276

physics
see also physics computing
matter, need for fundamental understanding by engineers in energy field 2−27
solar battery, research and development trends *(Japanese)* 2−4355

physics computing
see also computerised instrumentation; spectroscopy computing
anharmonic oscillator Schrodinger equation numerical anal. 2−13659
beam optics design for particle accelerators 2−3336
bubble chamber images, computerised track and bubble density meas. system 2−11845
CAMAC, logic state analyser 2−17309
CELLO detector, charged particle trigger 2−11857
charged particle transport in plasma, Fokker-Planck eqn. soln. by matrix factorisation 2−8736
compressible flow patterns, streamline coordinates use in numerical soln. 2−8774
computer program for field modelling of bubble devices 2−1586
debond inspection in solid rocket motor section, acoustical chirp frequency and computer correl. technique 2−8913
drift chambers, microprocessor-controlled readout system 2−17302
eddy current transducer signal, computation accuracy improvement 2−3136
eddy currents, high frequency, boundary integral equation method 2−15615
elastic-plastic torsion differential equation model 2−13754
electromagnet shimming, computer-aided design techniques 2−21059
electron beam lithography proximity correction, model for optimising CPU time 2−25314
electron swarm parameters in argon and krypton 2−14551
ETA gun characts. 2−3359
fast, time-sliced, multiple data bus structure for overlapping I/O and CPU operations 2−6603
field-reversed axisymmetric plasma, equilibria and MHD stability calc. 2−8735
fission reactor material, elastic moduli meas., 20 to 1100°C, US method 2−8888
free electron laser, magnetic diffusive wiggler pump, spatially periodic 2−1824
fundamental solutions of equations of shallow shells 2−8762
gamma-ray spectrometer, data acquisition system 2−7306
garnet films, implanted bubble, dynamics of formation of statically stable 2Π Bloch lines 2−15143
gas dynamics partial differential equations 2−13771
GUERAP-3 for scintillation detector optimisation 2−11822
Hankel transform numerical evaluation, discrete Laguerre polynomials appl. 2−8682
high-energy experiment, trigger monitor readout 2−17308
high-energy experiments, fast microprocessor appls. 2−11865
intense pulsed neutron source, scattering instruments, data acquisition system 2−7296
ion beam exposures profiles in PMMA, computer simulation 2−25117
Josephson junctions, chaos and noise rise, digital computer simulations 2−9912
large matrix techniques in quantum chemistry and atomic physics 2−443
laser annealing of Si, computer model of lattice temp., carrier conc. and temp. 2−25127
LINKER, intercomputer communication system for cyclotron facility 2−7245
magnetic electron lenses and electromagnets, finite element anal. for mag. field distrib. calc. 2−2087
magnetostatic Poisson's eqn., two-dimens., hybrid finite element-boundary integral soln. 2−15606
microprocessor based single board computer for high-energy physics pattern recognition 2−17291
microprogrammable processor ESOP in the AFS trigger system 2−17301
microscopes, capabilities extension electron and optical, micro computers appl. 2−5525
million channel pulse height analyser for data acquisition, multi-microprocessor system 2−7292
MIM cathode, modelling of electron emission 2−9358
missing-mass spectrometer for momenta below 1.5 GeV/c 2−3437
MOS structures, nonuniformly doped, ideal C-V curves calc. 2−20151
multi-scalar system 2−17231
multiple-user data acquisition and analysis system for high flux beam reactor 2−7291
multipurpose hadron spectrometer, trigger processor 2−11859
muon trigger for UA1 expt., fast online track finding, microprocessor appl. 2−11860
MWPC monitoring, task transfer to microprocessor 2−17278
Navier-Stokes equations viscous splitting algorithm 2−13768
nuclear computer modelling, conf., energy outlook in the 1980s, Ames, Iowa, April 1981 2−13152
nucleon decay detector, data acquisition and triggering system, pattern recognition 2−17307
organic scintillators, neutron detection efficiencies calc. using Monte Carlo computer code 2−22480
particle detector 'crystal box', intelligent trigger processor 2−11864
particle optics, aberration studies and computer algebra 2−2086
photon detector efficiency for monochromatic photons 25 to 234 MeV 2−27033
Prandtl integral equations, discrete vortices method solution 2−8785
proton interactions with O, Si, Ga, As, Au, heavy fragments energy spectra 2−14611

physics computing continued
quasilinear elliptic integral-differential equations 2−8786
radiation detection and data processing 2−11818
ray tracing in electrostatic lenses, BASIC computer program 2−25911
scattering problem partial differential equations finite element solution 2−13769
storage ring experiments, two-level triggering 2−17306
streamer chamber, self-shunted, tracks digitisation and reconstruction using television system 2−3410
superconducting composites, multifilamentary, crit. current strain depend., use of MAXIMSUPER computer program 2−9907
superconducting magnet system, quench propag., coil and protection design, computer program 2−9949
synchrotron, matched race-track with quadrupole lenses 2−7248
system simulation using particles, book 2−13147
TE ion chambers model IC-17 for dose meas., calibration constancy 2−17273
TRANSOPTR, second order beam transport design code with optimisation and constraints 2−3318
TRANSPORT and TURTLE, high energy charged particle optics computer programs/ 2−3319
trigger processor, XOP, for high-energy physics appls. 2−17305
tunnel junction low β_c, with magnetically suppressed crit. currents, I-V characts. 2−1612
UA_2 detector, triggering, data acquisition 2−11858
US spectroscopy, water immersion method, computerized model for flaw size and direction calc. 2−5041
Van de Graaff accelerator, bremsstrahlung characts. and particle trajectories in inclined field tubes 2−11736
wave propagation differential equations finite difference solution 2−13770
Weber parabolic cylinder functions, numerical algorithm 2−8671
X-ray lithography, computer simulations of resist profiles 2−25306
CdS, electroacoustic interaction, efficient nondegenerate 2−1187
GaAs-(Al,Ga)As heterostructure growth, qualitative and quantitative assessments by fast ellipsometers 2−5004
Ge detector for beta endpoint energy determ. 2−27039
Ge(Li) coaxial detectors, absolute photopeak efficiency calc. in energy region 0.1-3.0 MeV 2−3371
I laser, photolytic, nuclear pumped, photon transport computer code simulation 2−25693
KrF laser, electron beam excited, output performance, computer simulation 2−25691
Nb_3Sn, multifilamentary, crit. current strain depend., use of MAXIMSUPER computer program 2−9907
Si, extrinsic, elec. parameter calc. using FORTRAN program, Hall effect, dopant states and carrier mobility 2−1151
YIG epitaxial layers, magnetostatic waves anisotropic propag., expt. and computer simulation 2−15153

physiological models
see also brain models; neurophysiology; physiology
delta-modulator model of reception *(Russian)* 2−22516
evoked potential research, signal processing, averaging and modelling 2−11923
paediatric physiopathological modelling by computer *(Italian)* 2−17405

physiological optics *see vision*

physiology
see also blood; hearing; neurophysiology; physiological models; speech; vision
human electrostatic discharge waveforms measurement 2−27111
HVDC power transmission lines, environmental and physiological effects 2−12262
microcomputer-based time interval meas. 2−26971
nature of physiological effects of electric current 2−27108
physiological variations, estimation of subject-specific normal ranges based on statistical models 2−273

PI control *see two-term control*

pick-up tubes, television *see television camera tubes*

pick-ups
cartridge alignment, two sources of distortion and wear involved in the use of pivoted tone arms 2−3020
CED, VHD video disc systems, technology characts. *(German)* 2−26645
CS 741Q record player with an ultra low mass pick-up arm/ *(German)* 2−2985
microprocessor-based, transfer characts. *(German)* 2−11314
moving magnet types, AKG and Shure model comparisons *(German)* 2−16703
preamplifier, used for moving-coil cartridge 2−8989
RCA's STF100 videodisc player, audio channel extraction from disc 2−6944
share gramaphone pickup ranges, new diamond cut *(German)* 2−16725
tangential pick-up arms, geometrical analysis, sound quality appl. *(German)* 2−16746
tone-arm with velocity feedback using linear motors, mechanical resonance suppression appl. *(Japanese)* 2−6959

pickups *see pick-ups*

pictorial bandwidth compression *see bandwidth compression*

picture processing
see also computerised picture processing; pattern recognition
30 Mbit/sec codec using interfield-intrafield adaptive prediction for NTSC signals 2−16624
adaptive delta modulated video signals, data compression 2−15939
adaptive hybrid image coding technique 2−15935
adaptive threshold technique for local clutter suppression 2−2372
adaptive transform coding of video signals 2−21375
AEG-Telefunken picture transmission system by telephone *(French)* 2−16079
algebraic structural representation of shape 2−10722
astigmatic system for optical transformation of coordinates 2−2386
autoregressive random field models, unilateral representation 2−15949
bidimensional texture synthesis by Markov chains 2−261
binary images encoding using DF algorithm 2−26109
block adaptive DPCM picture coding based upon partition into stationary subsets 2−21386
broadcast TV signals, statistical performance anal. of interframe encoder 2−16625
CCTV camera images processing, size and position meas. appl. 2−11612
conference, Oxford, England (Jan. 1980) 2−18853
constant area quantisation bandwidth compression scheme 2−15943

picture processing continued
contour-coded binary objects, area computation, comments and reply 2−26160
cubic convolution interpolation for digital image processing 2−15948
DF algorithm modifications for encoding multilevel graphic images *(Slovak)* 2−26151
digital, analysis of movement in GaP LEDs by digital image processing *(Japanese)* 2−6118
digital image processing for speckle flow velocimetry 2−26158
digital image processing techniques for TV signals *(Japanese)* 2−10712
digital image restoration, direct algorithm 2−21364
digital predictive run-length image compression, two-dimens. encoding enhancement 2−26152
digital video bandwidth compression using block truncation coding 2−15942
digitiser, function and industrial appl. 2−22276
distorted image pre-inverse filtering 2−15926
DPCM compression algorithm, appl. of pseudorandom noise 2−15938
dynamic programming appl. 2−2330
facsimile, image coding for non-impact printing 2−16083
FDL 60 telecine film scanner, signal processor 2−6937
Gaussian pulse time broadening, in mirror optical systems 2−2373
high-speed transmission of sequential freeze-pictures by extracting changed areas 2−21654
holographic image reconstruction system *(t)* 2−20989
hybrid DFT/DPCM interframe image coding efficiency 2−2287
image data compression using cosine and Karhunen Loeve transforms 2−13398
image enhancement, combination of iterative projection method of restoration with adaptive noise reduction, fixed S/N ratio filter 2−2389
image processing, facsimile terminal using logic gates 2−21484
image reconstruction, combined source-channel coding of data using block cosine transform 2−2375
image reconstruction using laser beam system *(French)* 2−22205
image scanner in facsimile terminal, diagnostics algorithm 2−21483
image-data reconstruction through spline functions 2−6472
instantaneous-action TV image dissectors and applications 2−26778
interfield hybrid coding of component colour TV signals 2−15936
interframe image coding, displacement meas. 2−15941
IR surveillance using quantum-noise-limited signal processors 2−7040
isolated infrared signatures, passive classification system 2−26154
linear rules of chrominance classification, effects of noise 2−2388
local histogram image processing 2−10708
MIS photodiode integrated devices calc., using integral transforms *(Russian)* 2−10136
monochromatic images smoothing by multiple frames 2−21388
monochrome pictures, adaptive transform coding using discrete cosine transform, energy distrib. logarithmic model 2−10719
moving object TV screen *(Croatian)* 2−21384
moving picture anal., hierarchical model based approach 2−10721
multilevel ordered dither method for continuous-tone digital facsimile coding 2−2482
mutilievel image compression algorithm, predictive encoding 2−26113
NTSC video signals, sampling and reconstruction at twice colour subcarrier freq. 2−15944
nuclear medicine pictures, coding and decoding 2−22549
optical image correlation using acoustooptic spatial light modulator and CCD detector 2−25559
optical target tracking, probabilistic approach 2−10704
photodiode array output, using variable-threshold digitiser, biological appl. 2−16918
photogrammetry, image correl. techniques and devices 2−3588
photographic image coherent and incoherent optical processing techniques 2−6475
photographic image detection and enhancement, optimal filtering approach 2−15927
pictorial image reproduction, survey of electronic techniques 2−21372
pinned sine transform image coder 2−15934
positron emission systems using time-difference information meas., image reconstruction technique 2−27158
pre-press picture processing in the graphic arts industry 2−21371
process control appl. *(German)* 2−26657
pseudostereoscopic holographic imaging system for underwater mapping 2−10374
pyramid model for description and processing of images 2−10723
quantisation systems with stochastic reference, general props. 2−9196
radar, imaging and target identification, physical optics inverse scatt. Radon projection 2−11108
real time digitiser for stereo image processing 2−26155
restoration using adaptive nonlinear Kalman-type filter 2−6470
robot position control using TV image processing 2−21988
robust two-dimensional tree encoding of images 2−15940
scanning optical data processor 2−6474
scene-based nonuniformity compensation for imaging sensors 2−27304
sensors for industrial appls. *(German)* 2−3149
sequential convolution techniques for image filtering 2−21373
sequential digitized video imagery, bandwidth compression using block truncation cooling 2−2397
sonar B scan display and digital image processing facility 2−26546
still TV pictures, digital signal averaging technique pixel incrementing for improving S/N ratio 2−2385
synthetic aperture radar images, speckle anal. and smoothing 2−2814
synthetic images, tree encoding in presence of channel errors, two-dimens. autoregressive random field models 2−10709
television signals, fast cosine transform implementation 2−21376
thermograph, camera and monitor assemblies, for technical and research appl. 2−22161
thinning algorithms, critique and methodology 2−21382
three-dimensional motion parameters of rigid planar patch, estimation 2−15947
tomographic image reconstruction from limited projections/ using coherent optical feedback/ 2−2369
tomographic reconstruction from restricted angle projections 2−21391
transform image coding, channel error recovery 2−15937
TV images, remarks on differential method for estimation of movement 2−26159
TV methods of low-frequency spatial image processing by control of TV camera tube mode *(Russian)* 2−16644
TV-optical iterative picture restoration 2−2377
two channel picture coding system, adaptive companding and colour coding 2−15946

picture processing continued
two channel picture coding system, real time implementation 2−15945
two-dimensional digital fan filter design 2−9158
two-dimensional DPCM image coding based on an assumed stochastic image model 2−2376
US B-scan images, resolution enhancement by deconvolution 2−27132
video conferencing participants display methods evaluation 2−21990
video hybrid coding by picture domain segmentation 2−10624
video signals, NTSC, contour prediction, adaptive DPCM algorithm 2−10705
visual prosthesis, image processing algorithms 2−11967
white light image addition and subtraction by colorimetric meas. *(Chinese)* 2−21366
Wiener filters with optimum piecewise-const. freq.-response function 2−10710

picture transmission *see facsimile*

picture tubes, television *see television picture tubes*

PID control *see three-term control*

piecewise-linear techniques
antenna theory, piecewise-linear antennas, current distrib., generalized Hallen's type integral equation, closed form kernel 2−2188
chopper-controlled DC series motor, piecewise-linear technique model 2−18266
completeness of the piecewise linear basis set and convergence behaviour of piecewise linear series 2−4932
construction of a basis of piecewise linear function on tetrahedra *(French)* 2−361
cumulative distribution functions, not strictly monotonic, adaptive algorithms for piecewise linear approx. *(Russian)* 2−455
digital-frequency integration, error computation *(Russian)* 2−5169
elastic bodies contact, finite element anal. 2−19286
intervention anal. in time series models, alternative approach 2−19149
lexicographic problems with a polyhedral set of strategies 2−24218
linear complementarity problem and piecewise linear system equivalence 2−24208
modification method for solution of piecewise-linear equations *(Russian)* 2−19327
monotone smooth function, spline interpolation *(Chinese)* 2−13682
nonlinear networks, high-order nonindepend. systems with piecewise-linear characts., stability of periodic regimes 2−679
resistive n-port section-wise piecewise-linear network synthesis 2−24375
shaded Sun sensor modelling, general approach 2−22616
solid-state circuit composed of FETs and inverted Darlington pairs of transistors, temp. charact. 2−5075
steepest ascent method, maximisation of piecewise linear concave function 2−8653

piezo-magneto-optical effects *see magneto-optical effects; piezo-optical effects*

piezo-optical effects
see also piezoreflectance
fibre interferometer, single mode, phase modulation induced by controlled vibr. 2−10023
fibre optics, twisted multimode lightguides, optical activity 2−10029
laser beam control in diffused waveguide by normal elastic waves in substrate 2−10028
optical fibre, polarisation parameter measurement 2−20631
optical fibres, graded-index, mode coupling due to microbending 2−9972
Raman coeff., first order, related to optical props. of zinc blende crystals 2−10343
KI:Tl phosphor, uniaxial stress effect on A emission band at low temp. 2−10131
ZnSe, laser window material, stress-optic coeff. at 10.6 μm, Senarmont compensator meas. 2−1675

piezoelectric devices
see also crystal filters; crystal resonators; piezoelectric transducers
bimorph piezoelectric element, high-speed pulsed valve for vacuum apparatus 2−5873
bulk acoustic wave composite resonators, low temp. coeff. 2−25407
buzzer for electronic watch, direct drive type 2−25394
drive circuit for piezoelectric sounders 2−9837
electric generator, energy storage in capacitor *(French)* 2−9836
extensometer recorder, for measuring dynamic forces *(German)* 2−17138
piezoceramic based acoustic transformer and fibre optic link for isolation amplifier 2−5116
piezoelectric pulsed nozzle molecular beam source 2−27028
piezoelectric-semiconductor struct., acoustoelec. memory, capture centres characterisation 2−15088
quartz, ferrobielastic switching, effect on piezoelec. elements, stress distrib. anal. 2−20449
technological developments, professional and commercial equipment 2−15087
thick-film resistor strain gauges, characterization on enamel steel 2−11429
waveguides, metallized, acoustoelectric effect 2−20477
$Pb(Mg_{1/3}Nb_{2/3})O_3$ electrostrictor for deformable bimorphous m irror 2−1763

piezoelectric effects *see piezoelectricity*

piezoelectric filters *see crystal filters*

piezoelectric materials
see also piezoelectric semiconductors; piezoelectric thin films; piezoelectricity
acoustic wave propag. in piezoelectric solid cylinder, asymptotic analysis of modes 2−25379
acoustic wave types for freq. control and signal processing 2−1510
ceramics, characts. and appls. 2−20454
ceramics, counterpoled, polarisation and elastic vibr. distribs. laser probe meas. 2−20450
crystals, acoustoelectric phenomena, novel appls. 2−15054
elliptical polarization of acoustic waves/ in piezoelectric crystals/ under the action of an electric field/ 2−1511
information service, EMIS, computer-based online system for publishing and retrieving materials data 2−8
Nylon 11 films, γ-form, piezoelectricity X-ray studies 2−9818
photovoltaic effect, bulk 2−15403
plates, modes of vibration 2−1513
polymer foils piezoelectric and elastic constants meas., for electroacoustic transducers *(German)* 2−17104
polymer-ceramic composites for hydrophones, fabrication and interphase connectivity 2−19457

piezoelectric materials continued
polyvinylidene fluoride cylindrical electromechanical transducers 2−11431
polyvinylidenefluoride, physical properties with emphasis on piezoelectric activity 2−20455
PZT-5 for rotor of high-power electrostatic generator 2−25908
quartz, ferrobielastic switching, effect on piezoelec. elements, stress distrib. anal. 2−20449
quartz, SAW, viscous attenuation and vel. 2−25380
semiconductor-piezodielectric boundary, EM wave and SAW interaction 2−1544
sonar transducers, new materials and types of device 2−26552
technological developments, professional and commercial equipment 2−15087
$AlPO_4$, berlinite, SAW props. of temp. compensated orientations 2−25409
$BeSO_4.4H_2O$, electro-optical effect, Raman scatt. and SHG 2−2025
CuCl, SAW characteristics 2−20457
$LiIO_3$-SF_6 glass struct. for acousto-optical light deflector, design considerations 2−20700
$LiNbO_3$, longitudinal and shear mode conversion 2−1512
$LiNbO_3$-InSb film struct., acoustoelectronic interaction, quantum size effect 2−25093
$Pb(Mg_{1/3}Nb_{2/3})O_3$, electrostrictive ceramic, low Q electromechanical resonator 2−9834
$PbZrO_3$-$PbTiO_3$:MnO_2 solid solns., piezoelec. props. rel. to chem. comp. near morphotropic phase transition 2−5845
$Pb(Zr_xTi_{1-x})O_3$:Nb^{5+}(Sb^{5+}) ceramics, wet or dry method prep., struct. and piezoelec. props., effect of initial Pb content 2−5844
$Sr_{0.61}Ba_{0.39}Nb_2O_6$, ferroelec. single cryst., piezoelec., HF dielec. and SAW props. 2−15057
ZnO crystal for rotor of high-power electrostatic generator 2−25908

piezoelectric oscillations
electroacoustic coupling due to electric load, effect on characteristics 2−15053
plate, electrically loaded, thickness vibrations 2−20447
quartz resonator, nonlinear resonance, non-rational frequency division *(French)* 2−20470

piezoelectric resonators *see crystal resonators*

piezoelectric semiconductor materials *see piezoelectric semiconductors*

piezoelectric semiconductors
acoustic wave parametric excitation by microwave electric field 2−1514
AlN film prep. by ion implantation, AES and low-energy EELS studies 2−8825
AlN on Si SAW devices 2−15090
CdS, acoustoelectric currents, nonlinear, during US carrier injection 2−20084
CdS, electroacoustic interaction, efficient nondegenerate 2−1187
CdS(Se) doped piezosemicond., sound absorpt. *(Russian)* 2−1191
GaAs, piezoelectric, photogalvanic effect for interband transitions 2−1783
n-InSb, acoustic wave multitransit generation in elec. field 2−5562
ZnO sputter deposited on Si, SAW storage correlator for signal processing 2−1540
ZnO-Si SAW device, Sezawa to Rayleigh mode conversion 2−1532

piezoelectric thin films
magnetron sputtering techniques, high deposition rate of piezoelectric films 2−19452
polyvinylidene fluoride cylindrical electromechanical transducers 2−11431
polyvinylidene fluoride film, piezoelec. transducer, activity depth depend. 2−9819
AlN piezoelectric volume-wave converter 2−1547
CdS and ZnO ultrasonic transducers 2−20456
$LiNbO_3$ single cryst. films, LPE growth for SAW devices 2−578
ZnO film accelerometer, Si integrated microbeam PI-FET 2−22234

piezoelectric transducers
amplitude-frequency charact. determ. with electrical excitation, errors 2−1531
bar transducers, analysis of layered matching structure for wideband frequency response using parameter-optimisation method 2−3133
biomedical piezoresistive type flow-through transducer 2−11888
biomedical US transducers, design using new piezoelec. ceramic materials 2−3483
blast pressure meas., near-field 2−11479
boundary layer transition sensors evaluation, for hypersonic wind tunnel environment 2−22629
bu ers, semiconductor circuits, used for continuous and modulated outputs 2−3653
coated crystal, air-pollution sensor for organophosphorous compounds and pesticides detection 2−12088
composite transducer with smoothly adjustable characts. 2−7087
cutting magnetic radiation monitoring *(Russian)* 2−26825
design for pulsed US flaw detection 2−13897
detonation stresses meas., using carbon and quartz gages in tandem arrangement 2−22434
differential pressure transducer design, low pressure meas. in high static line pressures 2−22267
dynamic pressure transducers, programmable signal conditioners, data acquisition system appls., interface with lab. computer 2−11426
eigenmodes in circular resonators, transducers, calc. using variational technique 2−25402
electronic keyboard with piezoelectric transducer, electrical design conditions 2−1526
HF acoustic plate mode device, employing interdigital transducers 2−5877
history and development, review 2−20453
humidity, using HF quartz piezoelements with sorption coating, nonlinearity control 2−5875
hydrophone calibration at low frequency, under hydrostatic pressures 2−17607
ideal time limited impulse response 2−9843
impact sensor, for tidal flow sand suspensions meas. 2−22732
losses meas. in piezoceramic laminar sandwich transducer, electrical and mechanical *(Polish)* 2−17124
output signal processing, zero drift analysis of charge-to-voltage convertor 2−26809
partially-electroded, radiation pattern analysis 2−20475
piezoceramic, soil surface props. sensing 2−12067
piezoceramic disc-transducers with annular electrodes, model 2−17599
piezoceramic disk-transducers with annular electrodes, expressions for vibrations 2−17598
piezoelectric system: integrated piezoelectric instrumentation 2−1523

piezoelectric transducers continued
piezoresistive semiconductor press. sensor, nonlinear charact. anal. *(Japanese)* 2−16966
polymer flexural plate hydrophone, mathematical model 2−17600
polymer foils piezoelectric and elastic constants meas., microphone, appl. *(German)* 2−17104
polymer-ceramic composites for hydrophones, fabrication and interphase connectivity 2−19457
polyvinylidene fluoride cylindrical electromechanical transducers 2−11431
polyvinylidene fluoride film, piezoelec. transducer, activity depth depend. 2−9819
polyvinylidene fluoride piezofilm transducer, visualisation of US waves launched into water 2−22754
pulsed US flaw detection, transducers, review of theory 2−646
PVDF piezopolymer transducers with point-supported membranes 2−17604
quartz three component force transducers type YDS-III 79B, YDS-III 79K, study and design *(Chinese)* 2−1528
sandwich transducer, effect of parameters on effective coupling coefficient 2−15092
skin sensitivity to spatiotemporal patterns, computer-controlled tactile matrix using piezoceramic transducers 2−26710
sonar array transducer and hydrophone design and construction 2−26551
SOS strain gauge for high temp. appl., feasibility study 2−22266
spark ignition engines, knock control 2−28206
spatially nonuniform US detect. with piezoelectric and acoustoelectric receivers 2−22757
thermometer appl., meas. error analysis 2−16952
thick film pressure sensors for automotive applications 2−26840
tomography reconstruction using transducer arrays, acoustical fan beam meas. 2−7313
transient voltage across axisymmetrically loaded piezoelectric disks with electroded faces 2−25398
transmitting ultrasonic transducers, generation of transient stress waves and electrical voltages, computation and meas. 2−12109
trilaminar flexural disc transducer, electromechanical circuit, experimental determ. *(French)* 2−15091
US, piezoelectric circular rod, axisymmetric vibrations, finite element anal. *(Japanese)* 2−17606
US, sensitivity meas. *(Russian)* 2−22760
US hydrophone probes, piezoelec. polymer sensitive element, design and calibration 2−12111
US proximity sensor operating in air 2−12106
US thickness gauge for low-carbon steel element meas. 2−22393
US transducer damping due to lack of parallelism in piezoelec. element 2−12110
US transducers, surface press. evaluation by 3-media method 2−22761
US transducers driven by VMOSFET class E power amplifiers 2−728
valves, proportional piezoelectric electro-pneumatic servovalve design '1981 JACC' 2−15089
vibration transducers, programmable signal conditioners, data acquisition system appls., interface with lab. computer 2−11426
water-loaded, layered, pulse and transient responses 2−3134
AlN piezoelectric volume-wave converter 2−1547
Na cooled breeder reactor, distance meas. under Na by ultrasonic means *(German)* 2−9838
Si piezoresistive fluid pressure transducers, Honeywell 200 PC Series, 0-1700 kPa in two ranges 2−16929
Si piezoresistive strain gauge technology in aerospace applications 2−17482
ZnO film accelerometer, Si integrated microbeam PI-FET 2−22234
ZnO piezoelectric transducers props. 2−1533

piezoelectricity
see also electrostriction; piezoelectric devices; piezoelectric materials; piezoelectric oscillations
history and applications 2−20453
insulator-semicond. layer struct., acoustoelectronic interaction, semicond. band bending effect 2−9518
nonlinear piezoelectric effect in crystals with presence of reflection, acoustic wave propag. 2−5847
Nylon 11 films, γ-form, piezoelectricity X-ray studies 2−9818
polyvinylidene fluoride, piezoelec. and pyroelec. effects 2−5849
polyvinylidenefluoride, physical properties with emphasis on piezoelectric activity 2−20455
KH_2PO_4 light shutters, piezoelec.-induced acoustic transients 2−10074
$LiNbO_3$, exoelectron emission accompanying piezoelec. effect 2−9357

piezooptical effects *see piezo-optical effects*

piezoreflectance
No entries

piezoresistance
manganin stress gauges, dynamic response 2−3123
Fe_3O_4, magnetite powder, electrical conductivity meas. *(German)* 2−15140
n-$Ga_{1-x}Al_xAs$, intervalley scatt., Hall mobility press. depend. 2−9424
n-Ge, piezoresist. differences, electron scatt. mechanisms 2−9414
p-InSb, light and heavy hole mobility and conc., effect of dislocations *(Russian)* 2−14657
n-Si, conventional and neutron doped, piezoresist. and Hall coeff. meas. 2−20065
n-Si, piezoresist. differences, electron scatt. mechanisms 2−9414
Si, piezoresistance coefficients, graphical representation 2−20061
p-Si, piezoresistance effect nonlinearity of diffused layers 2−20062
p-Si:B, nonlinear piezoresistance study 2−1164

piezoresistive devices *see piezoelectric devices*

piles (nuclear fission) *see fission reactors*

pinch effect
discharge tube, light refraction, Abel inversion 2−10514
reflex diode, generation and focusing of proton beam 2−17209
Z pinch, gas puff, X-ray source, lithography and microscopy appl. 2−25276
DT fusion reactor based on dense Z-pinch, scaling, calcs. and system energy balance 2−12387

pincushion distortion *see aberrations*

pipe diffusion *see diffusion in solids*

pipeline processing
digital image processing system performance 2−7056
MIPS, processor architecture for single VLSI chip implementation 2−19721
modelling of large-scale Markov chains with associative pipelining 2−4729

pipeline processing continued
pipeline distributed processing system for real time pattern recognition applications 2−8905
pipelined digital architecture for computing a multi-dimensional convolution 2−4977
teleconferencing implementation, at 9600 baud 2−11261

pipes, cable *see electric conduits*

pitch detection *see acoustic variables measurement*

PIXE *see ion microprobe analysis; X-ray chemical analysis*

plages *see Sun*

planetary satellites
see also Moon
Titan, Voyager 1 Saturn near encounter, close Titan flyby effect compensation 2−22605

planets
see also comets; Earth; Jupiter; Mars; planetary satellites; Saturn; Venus
radar ranging of planets, relativistic effects 2−6880
topography from spaceborne synthetic aperture radar 2−22646

planimeters *see area measurement*

plants (industrial) *see industrial plants*

plants (power) *see power plants*

plasma
see also electromagnetic wave propagation in plasma; plasma-beam interactions; plasmons; relativistic plasmas; solid-state plasma
auroral plasma stimulation by high power pulsed HF radiowave transmitting system 2−15696
electrojet, equatorial, magnetic storm time elec. field changes, VHF backscatter from plasma irregularities 2−6327
electrojet plasma instabilities spectrum anal. using HF refl. from F-region and ground 2−2141
EM modes radiation from inhomogeneous magnetoplasma, ray trajectories 2−10516
interplanetary plasma inhomogeneities, anal. of obs. of radio sources scintillations 2−6881
Io plasma torus, electron gyroharmonic waves obs. 2−15700
Io plasma torus, radiowave ray tracing 2−15701
Io tonus electron content, dispersive Doppler meas. 2−15699
ionosphere, transitional processes in strong standing radiowave 2−2130
ionosphere radiowave scintillation, freq. depend. appl. to electron density irregularities estimation 2−25941
ionospheric transequatorial VHF propagation paths through discrete plasma bubbles 2−2143
magnetosphere radiowave oblique ordinary mode propag. 2−25942
plasmasphere extended region, VLF noise propag. due to gyroresonance instability 2−15693
solar corona and wind anal. Viking and Mariner 10 radiowave scatt. 2−6322
solar wind motion within $30R_\odot$, spacecraft scintillation obs. 2−21085
solar wind plasma inhomogeneities from Venera 9 and 10 radiowave communications 2−15688

plasma accelerators *see collective accelerators*

plasma applications
see also plasma arc spraying; plasma deposition; plasma devices
anodisation kinetics using multiple plasma source 2−25162
n- channel poly-Si gate FETs, fabrication using plasma oxidation techniques 2−20268
CVD technology and its appl. *(Japanese)* 2−8835
electric power generation from laser-produced plasma *(Japanese)* 2−4379
etching, influence on MOS struct. charge props. *(Russian)* 2−1245
etching for semiconductor masking 2−25323
etching of thick polymer layers for microelectronic appl. 2−5660
metals, laser-plasma processing at high gas press. 2−25887
methyl methacrylate, vacuum lithography using plasma polymerization and plasma development 2−14749
multilayer PCB desmear and etchback using dry gas plasma methods, automated operation 2−9320
multilayer resist structures, plasma formation of buffer layers 2−1269
parylene adhesion, to various substrate materials, the effect of plasma pretreatment 2−8850
plasma-GMA welding for Al assemblies 2−23829
semiconductor, ion implanted, plasma annealing 2−9565
semiconductor technology, all dry mask making process by gas plasma 2−14746
X-ray lithography using a pulsed plasma source, suitability and filtering to protect resist 2−20173
GaAs 2−25161
GaAs FET, plasma etched via connections 2−1388
Si, ion implanted, annealing in plasma of pulsed gas discharge 2−20212
Si, oxidation in plasma 2−25163
n-Si:BF_2^+, ion implanted, plasma annealing 2−9565
Si:P, polycrystalline, plasma etching, P doping effect, electron microscopy study 2−5698
Si_3N_4 and cured polyimide stripping for failure anal. using plasma etch process 2−20287

plasma arc sprayed coatings
hardsurfacing steel rolls by plasma-MIG method, cost savings and service life improvements 2−23970
metal, for EM/RF interference shielding 2−593
Mo, plasma arc spray coatings for fluidic pyrometer 2−11472

plasma arc spraying
composite resistors design using arc plasma spraying for thick films preparation 2−1064
solderable tabs, arc spraying to glass using Al and Cu 2−4649

plasma-beam interactions
see also electromagnetic wave propagation in plasma; plasma production and heating by laser beam
high-current relativistic electron beams, interaction with plasma, microwave appls. 2−9364
low-density instability in nonhomogeneous waveguide 2−2182
relativistic and nonlinear radiation interaction/ between laser beams and plasmas 2−2156
relativistic hollow electron beam, diocotron instability in plasma background 2−24863
Ar hot cathode discharges, LF longitudinal waves, hydrodynamical model 2−14549

plasma confinement
see also magnetic traps; pinch effect; plasma focus
Alcator C Tokamak by D_2O laser Thomson scattering and sub-MM wave heterodyne receiver meas. 2−21006
Aurora pulser, high-impedance ion-diode expt. 2−27026
FIR scattering from electrostatic modes at ion cyclotron range of freqs. in Tokamak 2−21007
inertail confinement fusion using light ion beams 2−11712
inertial confinement fusion, ion beam drivers 2−11711
inertial confinement heavy ion fusion, RF linac driver 2−11713
reduced Fokker-Planck eqn., finite element soln. 2−8683
surface current-carrying equilibrium toroidal plasma, magnetic field structure 2−6298
Thomson-scattering subMM.-wave ion temp. diagnostic using pulsed D_2O laser at 385 μm 2−2066

plasma containment *see plasma confinement*

plasma deposited coatings
etching, film deposition, using plasma technologies *(Spanish)* 2−20344
organotin films, amorphous, semiconductive and conductive, form. and props. 2−19448
polyalkoxysiloxane films, deposited from methyltrimethoxysilane plasma, internal stresses 2−24336
polymerised coatings, colored, metal codeposition technique 2−25474
polymerized films as moisture barriers for alkali halide optics 2−25475
semiconductors, oxide films, plasma growth, review 2−24335
As-S:H, amorphous plasma deposited coating, optical props. and EPR 2−25003
As-Se:H, amorphous plasma deposited coating, optical props. and EPR 2−25003
$In_{2-x}Sn_xO_3$ film, degradation in glow-discharge plasma 2−13842
Si, amorphous, plasma deposited and CVD coatings, ion implantation, elec. cond. and photoluminesc. 2−20095
Si amorphous film, props. control by control of plasmachemical prep. processes, use in solar cells 2−19429
Si, amorphous thin-layers production and appls. *(German)* 2−24944
a-Si films, heavily doped, glow discharge, AC conduction 2−25029
a-Si, glow discharge, fatigue effect in luminesc. at low temp. 2−25606
Si, plasma deposited amorphous films, props. governed by plasma parameters 2−24332
Si:H, amorphous, Hall mobility in presence of long range pot. fluctuations 2−1205
Si:H, amorphous, midgap density of states, space charge limited cond. study 2−24996
Si:H, amorphous, plasma deposited, photocond., temp. depend. 2−1778
Si:H, amorphous plasma deposited coating, field effect cond., illumination and annealing effects 2−24994
Si:H, Li amorphous film, DC glow discharge deposited, photovoltaic effect 2−25571
Si:H, microcryst. plasma deposited coating, elec. cond. and optical absorpt. 2−24922
Si:H,B amorphous film, elec. props., optical props. 2−25015
Si:H,N(O), amorphous glow discharge film, elec. cond. and photocond., $N_2(O_2)$ doping effect 2−20098
Si:H,P films, elec. props., transition to amorphous phase, solar cell props. 2−24927
Si:H amorphous film deposition from SiH_4-Ar plasma 2−19441
Si:H amorphous films, gas phase doped or ion implanted 2−20191
Si:H amorphous films, photocond. and photolum 2−25578
Si:H amorphous films, SiH_4 decomp. prep., phys. props. 2−1203
Si:H amorphous films for electrophotographic appl., photoelec. props. 2−24928
Si:H amorphous plasma deposited coating, elec. and optical props., RF power and growth temp. depend. 2−19444
Si:H amorphous solar cell, plasma deposited, impurity effects 2−12864
Si:H film, amorphous plasma deposited, RF power and reactant gas press. effect 2−13837
Si:P-Nb Josephson struct., high resistance 2−25455
SiC:H, amorphous, plasma deposited coating, photocond. and optical gap, valence electron control 2−24997
Si_xC_{1-x}:H, amorphous films, photocond. and photolum 2−25578
SiH_x, plasma deposited amorphous films, props. governed by plasma parameters 2−24332
SiO_2 plasma grown film, in MOS structure, 270-420K *(Russian)* 2−1244
SiO_2, vitreous films, deposited from methyltrimethoxysilane plasma, internal stresses 2−24336

plasma deposition
low temperature plasma-deposite electron injector oxide 2−5010
methyltrimethoxysilane, plasma of polymerisation in RF discharge, mass spectra study 2−24336
organotin films, amorphous, semiconductive and conductive, form. and props. 2−19448
plasmatron high-rate sputtering methods and appls. in microelectronics, hybrid microelectronics and electronics 2−19450
InSb, epitaxial growth by laser evaporation, pulsed heating of substrate effect 2−24304
Si film, amorphous doped, deposition mechanism in SiH_4 plasma 2−13844
Si film prep. by plasma and low press. CVD in horizontal reactor 2−8837
Si from SiH_4 through plasma deposition 2−19453
a-Si P-I-N solar cells, effect of F on performance 2−23532
Si, plasma deposited amorphous films, props. governed by plasma parameters 2−24332
Si polycrystalline ribbon, high press. plasma deposition 2−24324
Si:F amorphous film, glow discharge plasma deposition from SiF_2 gas 2−19443
Si:H, amorphous, plasma deposition, impurity doping, substrate pot. effect 2−20189
Si:H, amorphous, prep. from higher silanes with high growth rate 2−606
Si:H, amorphous film, large area plasma deposition and elec. props. 2−19426
Si:H, amorphous film growth, plasma diagnostics 2−24331
Si:H, amorphous Schottky barrier solar cells, prep. by plasma decomp. and sputtering, carrier generation efficiency 2−12861
Si:H, amorphous vacuum deposited films, theta pinch hydrogenation 2−20190
p-Si:H, B amorphous film, high cond., prep. by Penning discharge 2−19439
Si:H amorphous film deposition by Penning glow discharge of SiH_4 2−19437
a-Si:H and a-Si:F:H P-I-N solar cells, photovoltaic behaviour 2−23533

plasma deposition continued
a-Si:H solar cells, impurity effects 2−23534
Si:H(H,F), amorphous, plasma deposition kinetics model 2−19445
SiH_x, plasma deposited amorphous films, props. governed by plasma parameters 2−24332
Si_3N_4 film prep. by plasma and low press. CVD in horizontal reactor 2−8837
Si_3N_4, plasma enhanced CVD on to InP 2−19449
Si_3N_4, plasma-enhanced CVD, using SiH_4N_2 mixture, mech. 2−13838
SiO_2 film prep. by plasma and low press. CVD in horizontal reactor 2−8837
SiO_2, plasma deposition on GaAs 2−25161
SiO_2, plasma enhanced CVD onto InP 2−19449
SiO_2, plasma-deposited, charact. 2−5011
W_xSi_{1-x}, formation by plasma CVD 2−596

plasma devices
see also magnetohydrodynamic convertors; plasma diodes; plasma focus; plasma guns; stellarators; Tokamak devices
diagnostics in SF_6 pulse discharges *(German)* 2−15051
discharge ion source technology 2−3350
duoplasmatron ion source for implantation appl. 2−7270
ELMO Bumpy Torus proof-of-principle device, one-dimensional γ-ray and photoneutron shielding calc. 2−3514
MIG welding, new torch and starting method *(Dutch)* 2−13112
whistler wave propagation expts. using magnetized plasma device *(Japanese)* 2−15718

plasma diagnostic techniques
see also plasma probes
electron distribution and angular distribution meas., 1 to 15.5 keV analyser 2−3395
fast neutron spectrometer for TFR Tokamak 2−17312
reactive sputter etching, plasma diagnosis by mass spectrometer, etching of Al, SiO_2 and photoresist 2−14793
spark counters for vacuum UV and X-ray photons meas. 2−3394
X-ray emission spectra meas., track detector using nuclear emulsion 2−3414
X-ray photocathodes, quantum efficiencies, 0.02 to 10 keV 2−17319

plasma diagnostics
see also plasma diagnostic techniques; plasma diagnostics by laser beam
discharge tube, light refraction, Abel inversion 2−10514
electron beam diode, relativistic, momentum distrib. and instability 2−1109
far IR imaging antenna array 2−22164
IR and MM waves, conf., Miami Beach, FL, USA (Dec. 1981) 2−23889
lower hybrid wave penetration and effects on electron population 2−15720
MHD combustion plasma, ethanol-fuelled, potassium-seeded, electron and positive ion concentration measurements 2−4377
reactors, diagnosis using electrical impedance meas. 2−11584
SONRES for measurement of relative spatial seed distribution in channel of MHD power generator 2−12921
SF_6 pulse discharges *(German)* 2−15051
Si:H, amorphous film growth, plasma diagnostics 2−24331
Xe-He plasma characts., through excitation by transverse HF discharge 2−20809

plasma diagnostics by laser beam
Alcator C Tokamak diagnostics by D_2O laser Thomson scattering and sub-MM wave heterodyne receiver meas. 2−21006
electron density and plasma current distrib. meas. in Tokamak plasma using sub-MM waves 2−22376
FIR scattering from electrostatic modes at ion cyclotron range of freqs. in Tokamak 2−21007
interferometry and light scattering for plasma examination *(Hungarian)* 2−25882
ISX-B Tokamak, line electron density and Faraday rotation simultaneous meas. 2−20996
laser implosion studies, X-ray shadowgraphy appls. 2−2065
sub-MM laser pumped by CO_2 TEA laser, injection-locked tunable 2−20833
theta-pinch plasma diagnostics anal. by side-on holographic interferometry 2−6274
Thomson-scattering subMM.-wave ion temp. diagnostic using pulsed D_2O laser at 385 μm 2−2066
Al-SiO_2 layered targets irradiated by picosecond Nd-laser pulses, energy transport parameters determ. 2−20997
Nd:glass laser, aberration cancellation by wavefront inversion, appl. to plasma diagnostics 2−10281

plasma diodes
diode with multispike explosive-emission cathode, impedance 2−1110
duoplasmatron emittance improvement by press. reduction in expansion cup *(French)* 2−3346
ion acceleration from explosive-emission plamsa 2−3361
pinch-reflex diode, generation and focusing of proton beam 2−17209
relativistic electron beam diode, momentum distrib. and instability 2−1109

plasma filled waveguides
cylindrical waveguide, containing magnetoactive plasma, EM wave propag. 2−5335
graded-density plasma with colloidal net, second harmonic generation 2−2157
nonhomogeneous waveguide, low-density beam instability, theory 2−2182
reactor heating, ACT-1 toroidal device, by wide $k_\parallel$ spectrum waveguide system 2−15721

plasma focus
light ion beam injector, electrically insulated, controlled beam focusing 2−3306

plasma generation *see plasma production*

plasma guns
No entries

plasma heating
see also plasma focus; plasma production and heating by laser beam
ACT-1 toroidal device, plasma heating by wide $k_\parallel$ spectrum waveguide system 2−15721
collisionless plasma, nonlinear phenomena study in HF heating expt. 2−10512
electron beam generator appl., GW-power 2−11762
FIR scattering from electrostatic modes at ion cyclotron range of freqs. in Tokamak 2−21007
ion beam generation expts. for plasma heating in solenoids 2−17222

plasma heating continued
ISX-B Tokamak, line electron density and Faraday rotation simultaneous meas. 2−20996
lower hybrid wave nonlinear coupling 2−15719
lower hybrid wave penetration and effects on electron population 2−15720
microwave beams from solar power satellite, ionosphere heating effects 2−27833
toroidal plasma, propag. and heating by electron cyclotron waves 2−15722

plasma in solids *see solid-state plasma*

plasma instability
see also plasma oscillations
cylindrical waveguide, containing magnetoactive plasma, EM wave propag. 2−5335
discharge tube for negative glow study by effusion technique 2−5520
electron beam relativistic, annular, diocotron instability 2−3332
field-reversed axisymmetric equilibria and MHD stability calc. 2−8735
high-current relativistic electron beams, interaction with plasma, microwave appls. 2−9364
ion extraction from collisionless plasma and optics arithmetics 2−2090
ISX-B Tokamak, line electron density and Faraday rotation simultaneous meas. 2−20996
microwave-plasma interaction, stimulated Brillouin scatt. studies using microwave source 2−10513
relativistic electron beam diode, momentum distrib. and instability 2−1109
relativistic hollow electron beam, diocotron instability in plasma background 2−24863
CO_2 laser, wave instability regions in glow discharge, pressure-current meas. 2−6139
CO_2-N_2-He-CO high-power electronic discharge convection laser, ionic and thermal instability 2−10223

plasma jets
No entries

plasma magnetohydrodynamics
field-reversed axisymmetric equilibria and MHD stability calc. 2−8735
ISX-B Tokamak, line electron density and Faraday rotation simultaneous meas. 2−20996
MHD combustion plasma, ethanol-fuelled, potassium-seeded, electron and positive ion concentration measurements 2−4377
SONRES for measurement of relative spatial seed distribution in channel of MHD power generator 2−12921
DT fusion reactor based on dense Z-pinch, scaling, calcs. and system energy balance 2−12387

plasma measurement techniques *see plasma diagnostic techniques*

plasma oscillations
see also plasma waves
collisionless plasma, nonlinear phenomena study in HF heating expt. 2−10512

plasma panel displays *see gas-discharge displays*

plasma probes
see also Langmuir probes
GEOS suprathermal plasma analysers for magnetosphere 2−3608
MHD combustion plasma, ethanol-fuelled, potassium-seeded, electron and positive ion concentration measurements 2−4377
Princeton Tokamak Fusion Test Reactor, 1 mm wavelength electron density interferometer 2−22375

plasma production
see also exploding wires and foils; plasma production and heating by laser beam
discharge ion source technology 2−3350
duoplasmatron ion source for implantation appl. 2−7270
hollow cathode discharge as a plasma source for H^- production 2−9349
multicusp H ion source, effect of magnetic filter 2−11763

plasma production and heating by laser beam
electric power generation from laser-produced plasma *(Japanese)* 2−4379
laser implosion studies, X-ray shadowgraphy appls. 2−2065
metals, laser-plasma processing at high gas press. 2−25887
KrF lasers for compression and fusion 2−10408

plasma sheaths
see also plasma confinement
No entries

plasma shock waves
No entries

plasma simulation
light ion beam injector, electrically insulated, controlled beam focusing 2−3306
Al-SiO_2 layered targets irradiated by picosecond Nd-laser pulses, energy transport parameters determ. 2−20997

plasma thermocouples *see plasma devices; thermocouples*

plasma torches *see plasma devices*

plasma transport processes
see also Vlasov equation
charged particle transport, Fokker-Planck eqn. soln. by matrix factorisation 2−8736
corona discharge with nonlinear ion mobility, calc. method for voltampere characts. 2−20012
diagnostics in SF_6 pulse discharges *(German)* 2−15051
electron beam device for extracting particles into longitudinal inhomogeneous plasma 2−11714
electron beam device for extracting particles into longitudinal inhomogeneous plasma 2−17208
electron density and plasma current distrib. meas. in Tokamak plasma using sub-MM waves 2−22376
ion extraction from collisionless plasma and optics arithmetics 2−2090
Langmuir flow effects in ring lasers, theoretical anal. *(Chinese)* 2−15520
nonstationary plasmas, automatic recording of RF conductivity variations 2−11585
reduced Fokker-Planck eqn., finite element soln. 2−8683
surface current-carrying equilibrium toroidal plasma, magnetic field structure 2−6298
Al-SiO_2 layered targets irradiated by picosecond Nd-laser pulses, energy transport parameters determ. 2−20997
SiH_4-Ar plasma, Si atom diffusion and Si:H amorphous film deposition 2−19441

plasma waveguides *see plasma filled waveguides*

plasma waves
see also magnetohydrodynamic waves; plasma oscillations; plasma shock waves
ACT-1 toroidal device, plasma heating by wide $k_\parallel$ spectrum waveguide system 2−15721
collisionless plasma, nonlinear phenomena study in HF heating expt. 2−10512
ionospheric plasma, nonlinear effects caused by two VHF pulses *(Russian)* 2−25957
whistler wave excitation by helical wave struct. 2−10515
Ar hot cathode discharges, LF longitudinal waves 2−14548
Ar hot cathode discharges, LF longitudinal waves, hydrodynamical model 2−14549

plasmatrons *see plasma diodes*

plasmoids *see plasma*

plasmons
see also solid-state plasma
metal clad dielec. film waveguide with low refractive index buffer layer, guided mode-surface plasma mode resonant coupling 2−10012
microwave isolators and phase shifters, performance results, based on magnetoplasmons on GaAs substrates 2−24688
MM and near-MM component design employing magnetoplasmons 2−922
photoemission, surface plasmon assisted, by underlying metal film excitation 2−9354
surface plasmon light emitter, electrically tunable, proposal 2−6108
Al-Al_2O_3-Ag tunnel junctions on gratings, light emission 2−20155
Al-Al_2O_3-Ag tunnel structures, dispersion anomalies of surface plasma oscills. 2−14737

plastic crystals
cyclohexane, electron mobilities and free ion yields 2−1472

plastic deformation
see also buckling; creep; ductility; elastoplasticity; plastic flow; serrated yielding
fatigue testing, HF, reson. freq. changes due to plastic deform. and crack initiation 2−24341
plastic IC packages, determ. of mech. strains and their effect on devices during environmental tests 2−14939
polymer film rolls, supporting capacity 2−13866
steel, Ni (3.5 wt.%), AE during deform. and fracture, microstruct. effect 2−13879
steel, structural and weldments, AE rel. to deform. and fracture 2−13877
superconducting windings, epoxy-impregnated, training mechanism 2−5977
Al and Al alloys 7075 and 7050, AE during tensile and compressive deform., microstruct., effect 2−13891
Al and alloys, AE during deform., microstruct. effect 2−13890
Al, jumplike deformation during low temp. creep, rel. to supercond. 2−9892
CdS, anisotropic cond. after plastic deform. and cond. along dislocations 2−24985
Cu, jumplike deformation during low temp. creep, rel. to supercond. 2−9892
p-InSb, light and heavy hole mobility and conc., effect of dislocations *(Russian)* 2−14657
Nb_3Sn, multifilamentary, strained, self-healing effect 2−9885
Ni-Co thin film magnetic recording disc, head/disc interface wear, impact deformation obs. 2−20502
PbS crystals, connection between elec. and deform. characts. 2−1207

plastic flow
see also ductility
alloy, precipitation strengthened, AE from dislocation motion 2−13889
steel, mild and structural, AE associated with fracture processes 2−13876

plastic strain *see plastic deformation*

plastic theory *see plasticity*

plasticity
see also elastoplasticity
boundary element method 2−4971
structure analysis, numerical integration comparison 2−19341

plastics
see also glass fibre reinforced plastics; polymers
A-150 plastic ionisation chambers, response characts. in photon and neutron fields , book contrib. 2−17274
breakdown obs., anomalous, under switching surge voltages 2−22357
communications industry appls. 2−13861
conductive plastic sheet coextrusion for bipolar electrodes of Zn-Br_2 battery 2−23414
cooling towers, crossflow, plastics corrugated sheet arrangement for use as heat transfer packing 2−17923
diallyl phthalate, and isophthalate, new appl. to electronics insulation 2−15065
electronic packaging, US welding of plastics 2−17614
engineering thermoplastics in the design of small motors 2−18279
ethylene-vinylacetate copolymer, C loaded, resist. and positive temp. coeff. of resist., correl. with C black parameters 2−25391
fillers props. influence 2−5036
fluoroplastic varnish, for climatic protection of sensitised photogelatin films 2−15575
HV insulators of electro-filters, insulating materials investigation *(Polish)* 2−7571
injection moulding of thermoplastics mould filling behaviour measurement method and systems *(German)* 2−26707
'KAPTON' covered rectangular Cu wires, props., performance and applications 2−24751
Kapton polyimide film as magnet wire and motor coil insulation 2−23246
nuclear track detector electrochemical etching, HV amplifiers 2−27091
optical fibres, low-loss, transmission spectra 2−1682
outdoor insulators, moulded plastic, ageing tests for operation in various climatic conditions *(Finnish)* 2−27544
packaging of electronic products 2−4653
PC assemblies, plastic protective film conformal coatings 2−24787
Plamac engineering plastic magnet, characts., appls. 2−19462
PMMA/polystyrene plastic scintillator of increased transparency containing ^6Li 2−11809
PMMA/polystyrene plastic scintillator of increased transparency containing ^6Li 2−17252
polyetheretherketone thermoplastic for insulation at high temps. 2−15068
polyethersulfone thermoplastic for insulation at high temps. 2−15068

plastics continued
polypropylene coatings for prevention of corrosion in wire processing 2−24749
polysulfone thermoplastic PCBs for high-freq. appls. 2−14461
polysulfones engineering appl., insulation and molded articles 2−19461
strip waveguide in short-wavelength part of mm-range, charact. expt. exam. 2−914
subscriber loop cables new insulation technologies 2−26185
thermoplastic adhesive reinforcement for arc-fusion spliced fibres 2−15309
thermoplastic photoconductor hologram medium, solvent vapour method and heating method *(Japanese)* 2−15373
thermoplastic pipe joint, holographic NDT technique for quality control 2−24346
thermoplastic recording for sinusoidal exposure struct., elec. field calc. *(German)* 2−20985
thermoplastic recording media, in two-loop data retrieval systems *(Russian)* 2−2026
thermoplastic resins, protection against fire, international standards *(Italian)* 2−20465
thermoplastic systems, low cost alternatives to engineering resins in electronic equipment manufacture 2−13865
thermoplastics widen equipment design options in electrical industry 2−13862
thermosetting plastics, transfer moulding and appl. 2−13259
XLPE cable technology, basic chemistry and manuf. 2−7549

plastics industry
continuous vulcanizing extrusion lines, programmable controller and appls. 2−28303
extruder drives, with convertor-fed synchronous motors 2−28150
industrial microwave appls. *(French)* 2−23760
injection moulding machine microcomputer-based system *(German)* 2−4552
injection moulding microcomputer-based system *(German)* 2−4551
pattern moulds and dies CAD 2−4556
small conveyor equipment for dosage of hopper-held and granular material *(German)* 2−23707

plate tectonics *see tectonics*

plated wire stores
No entries

plates (anodes) *see anodes*

plating (electroplating) *see electroplating*

pleochroism
see also dichroism
CdP_2, photosensitivity anisotropy, 1.3 to 4 eV at 300K 2−25584

plexiglas *see plastics*

plotters
analogue, X-Y recorders, dynamic accuracy 2−26866
analogue signal plotting from coarse digital data using slow digital plotter 2−11516
BRYANS series 60000 X-Y plotter, servo-operated pen mechanism *(German)* 2−22297
CEL 160, microprocessor controlled chart recorder, appl. to noise measurement *(German)* 2−3189
digital memory transient recorder accessory, used for oscilloscopes, chart recorders 2−3198
electrostatic printer/plotters, line quality improvements 2−21056
HP Hewlett Packards plotting technology, appl. to electrocardiograph 2−11926
pen recorders, X-Y plotters, description of new models 2−17022
personal computer-low cost plotter electrical circuit drawing system *(Japanese)* 2−24359
SE 2550 transient waveform analyser/plotter *(German)* 2−22203
solar cell characteristics plotter with sample hold 2−7997
temperature recording, twelve-channel 'W+W' recorder using thermocouple, Pt and NTC sensors *(German)* 2−26876
X-Y plotter and computer-controlled photometry for large-screen display resolution meas. 2−3074
X-Y recorders, advancement in stability performance 2−17023
X-Y recorders, cost-effective design rel. to reappraisal of construction methods 2−3187
Y-t recorder, microprocessor-controlled, for acoustic meas. 2−16810

plugs (electric) *see electric connectors*

PMR *see proton magnetic resonance*

pneumatic control equipment
395 MW turbine with pneumatically operated modulating control valve 2−18056
flight control, dual input actuator for fluidic backup 2−17491
industrial mechanisation and automation, case for pneumatic power appls. 2−4591
industrial robot pneumatic actuating mechanism braking numerical integration model 2−19379
industrial robots hydropneumatic drives improvement 2−23660
optoacoustic IR detector system *(German)* 2−26861
programmable pneumatic Z motion mechanism for testing solid-state IC devices 2−18977
semiconductor wafer pneumatic chuck transfer system for precise positron control 2−1262
valves, proportional piezoelectric electro-pneumatic servovalve design '1981 JACC' 2−15089

Pockels effect
cell, electro-optic control of mode-locked Nd:YAG lasers 2−6197
modulator for high power pulse laser resonator Q-factor modulation 2−20690
Nd:glass mode-locked laser oscillator with intra-cavity pulse selection by Pockels cell shutter 2−15484

point contacts
Josephson superconducting point contact, current noise 2−25453
photoresistors, voltage signal in circuit under max. sensitivity conditions *(Russian)* 2−24739
Schottky-barrier diodes, whisker pointing technique for micron-size contact 2−25185
SQUID, toroidal point-contact DC 2−20584
Au discontinuous film in point-contact diodes, switching 2−983
$Er_{0.58}Ho_{0.42}Rh_4B_4$-Nb oxide-Nb point contact junction, temp. depend. of Josephson current 2−1617
Nb point contacts, AC Josephson effect above voltage 2−20578

point contacts continued
Nb superconducting point contact, microwave induced gap structs. 2−1613
W-Ni point contact diodes, nonlinearities 2−25104

point defect scattering
used for carrier scattering by point defects
No entries

point defects
see also colour centres; interstitials; point defect scattering; vacancies (crystal)
electronic materials, cryst. engineering 2−556
IV-VI semiconductors, basic properties, evolving perspectives and unifying charact. 2−9468
JFETs, low-noise 4-terminal devices, noise meas. and model for fluctuations caused by point defects 2−25272
semiconductor lasers, degradation processes 2−1956
GaAlAs LEDs, slow degradation study by DLTS 2−10167
GaAlAs p-n junction characters., effect of X-ray irradiation *(Russian)* 2−14687
GaAs p-n junction charact., effect of X-ray irradiation *(Russian)* 2−14687
Ge, point defects and disordered regions due to irrad., magnetoresist. meas. 2−5540
Si, dislocation free in surface barrier detectors, cluster nonuniform distrib. effects *(Russian)* 2−14622
Si, point defects and disordered regions due to irrad., magnetoresist. meas. 2−5540
Si semiconductor material props. for use in MOS ICs *(Russian)* 2−14619

point of sale systems
see also EFTS
auxiliary display mount for terminals used in retail trade, customer installation 2−3227
bar code deciphering device, laser and microprocessor appl. *(French)* 2−10402

point to point radio links *see radio links*

Poisson ratio
rectangular strips and square plates, pulse echo method of elastic moduli determ. 2−8869

polar cap absorption *see ionospheric electromagnetic wave propagation*

polar cap flow *see airglow*

polar plots (control systems) *see Nyquist diagrams*

polar semiconductor materials *see polar semiconductors*

polar semiconductors
see also ferroelectric semiconductors; piezoelectric semiconductors
magnetoresistance 2−9399

polarimeters
see also polarimetry
Compton polarimeter with high-purity Ge diodes, appl. to in-beam γ-ray spectroscopy 2−3438
electron density and plasma current distrib. meas. in Tokamak plasma using sub-MM waves 2−22376
transmission-type polarimeter, analysing power meas. 2−27040

polarimetry
see also ellipsometry; polarimeters
No entries

polarisation
see also dielectric polarisation; gamma-ray polarisation; light polarisation; neutron polarisation; nuclear polarisation; photon polarisation; polarisation in nuclear reactions and scattering; proton polarisation
adaptive array of two pairs of crossed dipoles, polarization sensitivity, calc. 2−2185
antenna-feeder polariser using circular waveguides and metallic posts *(Japanese)* 2−10601
circularly-polarized TV broadcast antennas, modelling in candelabra, anal., expt. results 2−21237
coherent polarization-diversity radar, propag. effects 2−25948
cross polarisation on microwave links during precipitation, review 2−10493
crosspolarisation site-diversity measurements at 11.8 GHz 2−26464
dielectric antenna feeds with low cross polarisation 2−21252
dielectric rod leaky-wave antenna for MM-wave appls., freq. scannable, sidelobe levels and polarizations 2−2216
Earth, E-polarisation boundary conditions above laterally non-uniform conductors for simple induction mechanism 2−7415
Earth, induced polarisation in disseminated sulphide ores containing elongated mineralisation 2−17545
Earth, transient EM response of polarisable ground 2−3583
Earth induced polarisation, contour map presentation of dipole-dipole data 2−7418
effective polarisation parameters of rain from orthogonal linearly-polarised transmissions, meas. theory 2−10472
elliptical polarization of acoustic waves/ in piezoelectric crystals/ under the action of an electric field/ 2−1511
EM field theory Green's functions, eigenfunction expansions, equiv. layers of surface charge, current sheet and polarisation 2−2072
EM wave scattering, probabilistic theory, horizontal polarisation 2−10460
EM wave scattering, probabilistic theory, vertical polarization 2−10461
geomagnetic micropulsations, polarisation meas. via motion picture presentation 2−22720
helical antennas, adjustment of polarization and phase charact. 2−26032
helix antenna with dielec. core, polarization props. 2−26056
LEP, polarised electron/positron beam prospect survey 2−27009
microwave cross polarization during clear air conditions 2−10488
microwave link crosspolarisation measurement 2−15713
microwave scatterometer for terrain surface meas. *(Japanese)* 2−3578
multifixed-beam satellite antenna with full area coverage and a rain-tolerant polarization distribution, cluster feeds appl. to offset Cassegrain 2−10572
nonlinear skin effect, plane and circular polarised electromagnetic fields penetrating a ferromagnetic conducting semispace 2−15675
orthogonal polarisation technology, used in satellite transmission, KDD Yamaguchi transmitter *(Japanese)* 2−26469
OTS depolarisation meas. at 11 and 14 GHz 2−10503
radar, imaging and target identification, physical optics inverse scatt. Radon projection 2−11108
radiowave depolarization by atmospheric hydrometeors, review 2−10494
rain depolarization, short-term statistical vars. analysis 2−25945
rain depolarization and attenuation, joint statistics analysis 2−25944
RATAN-600 radiotelescope, with no aberration 2−16535

polarisation continued
rectangular waveguides, circular polarisation synthesis with nonresonant slots 2−19839
satellite link, dual polarisation, adaptive cancellation to reduce crosspolar interference 2−16451
shear-wave transducer using ferroelectric medium with distributed polarisation 2−20474
thin-wire antennas, circumferential polarization of current, effects 2−2191
tripole antenna, adaptive array of mutually perpendicular dipoles with full polarization flexibility, theory of performance 2−10593
H^- polarised ions production by electron transfer from atoms 2−17221

polarisation in nuclear reactions and scattering
$^2H(\vec{d},\vec{n})^3He$, 8 MeV, small-angle neutron polarisation study 2−22471

polariscopes *see polarimeters*

polaritons
luminescence, conference, Berlin, Germany (July 1981) 2−23864
semiconductor, optical nonlinearity and bistability due to biexciton form. 2−25840
surface EM wave dispersion and attenuation in far IR, inelastic light scatt. meas. 2−6039
Al-Al_2O_3-Ag tunnel junctions on gratings, light emission 2−20155

polarographs *see polarography*

polarography
see also voltammetry (chemical analysis)
computerised, characts. 2−22342

polarons
see also small polaron conduction
NaCl, focused laser beam deform., multiphoton polaron and avalanche optical breakdown models 2−6250
V_2O_5-TeO_2 semiconducting glass, elec. cond., thermopower and optical absorpt. 2−25012

poles and towers
500 kV transmission line, special footing design 2−12277
Black Mt. Telecom. Tower, Canberra, building engineering services 2−23968
Black Mt. Telecom. Tower, Canberra, commercial TV installation 2−26601
Black Mt. Telecom. Tower, Canberra, design and construction 2−26420
Black Mt. Telecom. Tower, Canberra, national TV and FM broadcasting facilities 2−26595
Black Mt. Telecom. Tower, Canberra, project development and building facilities 2−26419
Black Mt. Telecom. Tower, Canberra, radio functions and specification 2−26418
Black Mt. Telecom. Tower, Canberra, review of Sydney-Melbourne trunk route 2−26219
concrete pole foundation for 230 kV line, tests 2−7570
damaged wood pole repair, field reinforcement, cost savings 2−27565
fibre reinforced concrete pole for distribution lines, structural tests 2−3781
fibre reinforced concrete pole for distribution lines, structural tests 2−27561
Gotham Tri-Band quad antenna strengthening against high winds 2−15796
hollow GFRP poles for telephone lines 2−2567
multipurpose transmission tower for radio relay, TV and radio services at Saint Chrischona, Switzerland, lightning protection *(German French)* 2−11167
power overhead lines, 10 kV-20 kV technical characts. and application possibilities of concrete columns *(Slovenian)* 2−3776
power transmission towers, flange joints, design and required strength 2−7568
prestressed concrete poles for upgrading transmission line 2−27562
self-supporting pole for river crossing 2−27563
steel lattice towers for overhead lines, breakage tests *(German)* 2−27549
steel poles for Commonwealth Edison's transmission line, USA, cost savings 2−27546
telephone poles, development by British Telecom of hollow poles 2−26311
TV tower lighting arrangements and equipment *(German)* 2−23748
welds in steel pipes for HV transmission towers, automatic ultrasonic test equipment appls. 2−7464
wooden poles for LV overhead power lines, breakage tests *(German)* 2−17745
wooden poles maintenance and checks for rot, economics *(Finnish)* 2−27545

poles and zeros
active-R filters, large signal instability 2−5287
active-R floating lossless inductance realization using operational amplifier poles 2−14203
active-RC filters, large signal instability 2−5287
adaptive analysis of speech based on a pole-zero representation 2−21314
audio amplifiers design, advanced techniques *(Spanish)* 2−22014
circuit time response calculation from poles and zeros, TI-59 program 2−13911
error estimation in approx. numerical integration near simple pole using Chebyshev points 2−4923
inverse Z-transform of rational function of z 2−4716
LC ladder four-pole filter synthesis using impedance parameters, TI 58/59 calculator program *(Czech)* 2−19766
least-squares magnitude filters with self-equalised delay characteristic 2−9136
meander-line networks, approximation method for characts. function 2−19499
microwave filters, asymmetric synthesis, attenuation pole placement on one side of passband, waveguide filter appls. 2−24671
multivariable control system design, appl. in electric power generating plants 2−12425
optimal beamformer response to source with all-pole angular power density spectrum 2−26147
power system stabilising controller design using pole-assignment technique 2−7512
programmable state-variable active biquads 2−14210
selective filters with equalised passband group delay response, transfer functions determ. 2−19761
singularity expansion method, physical content 2−6846
trimmed distributed RC networks, pole-zero locations, and appl. to low pass active filters 2−24598

police
automatic vehicle monitoring, NAVSTAR global positioning system appl. 2−16532
automatic voiceprint 2−2312
car weighing and velocity control system 2−3287
character recognition, conf. at Lexington, KY, USA (1980) 2−2310
communication network size determination technique 2−16017
communications systems history 2−2723
computer assisted forensic linguistic system/ 'TEXTOR' 2−2395
emotional stress, effect on speech characteristics 2−15870
forensic handwriting anal. 2−2394
forensice speaker recognition software 2−2311
LAPD ECCCS systems 2−2437
municipal application of digitally addressed, trunked communications systems/ 2−2438
police computerised PBX 2−2599
psychological stress evaluators, effect on speech 2−15871
radar electronic countermeasures used in USA 2−16504
radio links frequency allocation regulations, USA 2−16540
satellite communication expt., Japan 2−16016
screening systems for luggage, parcels, personnel 2−13256
simultaneous dispatch systems using facsimile with gray scale response 2−16109
speech scrambling systems *(German)* 2−2314
TV, closed circuit, as an aid in hostage negotiation tactics 2−16657
TV systems applications, Japan 2−16686
writer recognition, spectral anal. appl. 2−2393

police data processing
crime countermeasures, conf. Lexington, USA, 1981 May 2−13157
simultaneous dispatch systems using facsimile with gray scale response 2−16109

polishing
see also electrolytic polishing
hydroplane polishing of semiconductor crystals/ 2−1315
microlens formation on vapour phase axial deposition single-mode fibre ends 2−25492
nuclear steam generators, system chemistry consideration 2−7668
CdTe, surface polishing by diamond milling 2−25157
KH_2PO_4, KD_2PO_4, electro-optic crystals, defect polished surface layer, etching of damaged layer 2−1679
$Pb_{1-x}Sn_xTe$ crysts., mechanism of chem. polishing 2−25031
Si, single cryst. wafers, prep. from quartzite, book contrib. 2−560
Te, photocond. meas. at 77K in 1.4 to 4.4 μm range 2−15375

pollution
see also air pollution; pollution detection and control; water pollution; water treatment
acid smut from oil-fired boilers, neutralization by $Mg(OH)_2$ powder, injection equipment development 2−23095
environmental problems associated with coal use including desulphurisation and fly ash use *(Dutch)* 2−23082
heat pollution and river water cooled heat power plants *(Hungarian)* 2−17963
long bar insulators, porcelain and synthetic, resistance *(German)* 2−3774

pollution detection and control
see also air pollution detection and control; noise abatement; remote sensing; waste disposal; water pollution detection and control; water treatment
fossil-fuel power plant monitoring programmes and systems 2−18024
IR detector using transient thermal lens effect, pollution monitoring appl. 2−3163
metal finishing industry pollution control program 2−22745
synthetic fuel production and environmental control cost balance 2−12325
SO_2 scrubber, 10 MW capacity, prototype-scale testing results 2−7733
U enrichment plants, licensing procedures in West Germany 2−17832

polyelectrolytes *see electrolytes; polymers*

polymer films
see also dielectric thin films; insulating thin films
1,2-polybutadiene laminate, flame retardant for high density multilayer printed wiring boards 2−19464
bipolar transistors, effect of insulation coatings on forward beta degradation 2−9632
electret, polarization distrib. determ. using periodic heating 2−22354
electret props. anal. using two-component insulator model 2−1552
epoxy thick layers, O plasma etching 2−5660
flexible circuits using a polyimide film substrate 2−19937
Kapton polyimide film as magnet wire and motor coil insulation 2−23246
Myler thin film, surface flashover arc orientation 2−20438
Nylon 11 films, γ-form, piezoelectricity X-ray studies 2−9818
nylon 6 film, effects of drawing on photoconductivity *(Japanese)* 2−15372
nylon jacket with silicone rubber layer for optical fibre, characts. under lateral press. 2−1687
oil-impregnated biaxially oriented polypropylene-films, TSC, interfacial polarisation 2−9827
parylene adhesion, to various substrate materials, the effect of plasma pretreatment 2−8850
PCB dry film solder masks using negative working photopolymer 2−14436
PCB photopolymer dry film solder mask coatings for high-density PWB designs 2−14437
perfluoroalcoxy film, nonmetallized electret, charge storage 2−20452
PIQ, polyimide type polymer, characterisation and appl. to semiconductor devices 2−9546
plasma polymerised, electron beam sensitive resist, Sn doping effect 2−9537
plasma polymerised coatings, colored, metal codeposition technique 2−25474
plasma polymerised films as moisture barriers for alkali halide optics 2−25475
PMMA thin film masts, for use in electron beam lithography, thickness profile determ. 2−14525
poly (methyl isopropenyl ketone), resist, etching by UV light 2−9576
poly methyl isopropenyl tectone, deep UV resist, fine pattern lithography *(Japanese)* 2−1419
poly-N-epoxycarbazol film for holographic recording, two-layer *(Russian)* 2−10370
poly-N-vinylcarbazole, extrinsic carrier photogeneration, charge transfer fluoresc. quenching by elect. field 2−20730
polyacetylene epitaxial layers, optical and elec. anisotropy 2−25042
polyester film substrate for membrane switches used in keyboards, design 2−14352

polymer films continued
polyester thick layers, O plasma etching 2−5660
polyethylene, tree growth, acoustic emission meas. 2−15044
polyethylene film, high-temp. breakdown charact., fixed electrode system 2−9789
polyethylene terephthalate electrolum. with impulse voltage 2−5858
polyethylene terephthalate films, 'slow' electronic carrier motion 2−5859
polyethylene terephthalate films, elec. breakdown, influence of water 2−20443
polyethylene terephthalate foils, isothermal and TSC 2−5865
polyethylene terephthalate ionic cond., steady-state sublinear DC cond. due to neutralisation of mobile ions 2−5863
polyimide, line deletion and personalisation parameters, optical optimisation 2−25889
polyimide, Si_3N_4-polyimide-SiO_2 complex membrane, X-ray lithography mask 2−14747
polyimide coatings of IC appls. 2−9545
polyimide insulators for multilevel interconnections 2−14922
polyimide PMDA-p,p'-ODA simulated space radiation effects, IR spectroscopic anal. 2−13863
polyimide used in dual metal layer process, via openings, IC appls. 2−9544
polymer resist. crosslinking under electron beam interactions 2−1258
polymer thick film resistors using C-black, percentage var. of resist. 2−24729
polypyrrole films, photochemically generated, protection of semicond. photoanodes 2−25156
polystyrene film, undoped and doped with acrylic acid, elec. cond. 2−5641
polyurethane binder and C-pigmented coating for far IR 2−10102
polyvinyl acetate-carbocyanine dye film for ablative-optical recording with GaAs laser 2−20609
polyvinylidene fluoride cylindrical electromechanical transducers 2−11431
polyvinylidene fluoride film, piezoelec. transducer, activity depth depend. 2−9819
polyvinylidene fluoride polymer foils piezoelectric and elastic constants meas., for electroacoustic transducers *(German)* 2−17104
poyvinyl acetate films, corona charged, surface charge decay charact. 2−25390
PTFE, TSC modelling 2−5866
rolls, supporting capacity 2−13866
styrene thin films, plasma polymerized, electric breakdown studies rel. to self-healing 2−9790
Teflon in MIM structure, charge storage and transport in electron-irradiated and corona-charged dielectrics 2−20154
tetrafluoroethylene-hexafluoropropylene copolymer, ion-injected film electret, TSC spectra 2−1550
thick layers, O plasma etching for microelectronic appl. 2−5660
time dependence of the radiation-induced conductivity 2−5861
two-dimensional electron beam charging model 2−21015
VLSI, reliability implications of polyimide multilevel insulators 2−9744

polymers
see also filled polymers; glass fibre reinforced plastics; plastics; polymer films; rubber
Araldite type epoxy resins and polycarbonate boxes, adhesion failure *(Hungarian)* 2−24339
bismaleimide-triazine resin, elec. insulation material, use as solid, varnish or powder 2−15073
bisphenol A epoxy resin props. for radiation-resistant magnet coil insulation 2−2104
cast epoxy resins, electrical failure props. 2−20439
cellulose nitrate plastic track detectors, U and Rn content estimation in soil and plants 2−17284
conducting, preparation, props., naval appls. 2−19463
CR 39 polymer track detectors, neutron dosimetry, sensitivity rel. to etching process 2−3415
crosslinked polyethylene insulated, rated up to 110 kV, materials selection, manufacturing technology, construction and testing methods *(German)* 2−27506
cyclohexanone, electron beam current penetration in semi-infinite slab 2−13864
diethylene glycol bis(allyl carbonate)-methacrylic ester copolymer, light focusing plastic rod prep. by two-stem copolymerisation *(Japanese)* 2−15317
enamelled wire film, curing, optimisation pyrolytic gas chromatography appl., residual solvents 2−15071
epoxy, conducting and nonconducting, X-ray induced electron emission meas. 2−14559
epoxy casting resin for instrument transformers, selection of materials 2−15084
epoxy compounds, secondary passivation of semiconductor structural elements appl., comparison with silicones *(German)* 2−14779
epoxy encapsulation of thin film resistors 2−5479
epoxy resin, surface deterioration and tracking breakdown due to glow discharge in low press. atm. *(Japanese)* 2−5852
epoxy resin insulators, flashover voltages, obs. 2−9810
epoxy resins, water vapour absorption and permeability charact. 2−15072
fluorescent dye in doped polymer matrix, Stokes shift 2−25595
gas insulated substations, mechanical props. of particulate-filled epoxy resins 2−18399
hermetic motor magnetic wires, charact. 2−27861
high temp. epoxy insulation systems, rotating electrical machinery appls. 2−7800
insulated wires, enamel viscosities rel. to cresylic acid content, model FORMVAR and polyurethane types 2−15070
insulating materials, ASTM tracking test methods 2−15047
insulation, interrelationship between treeing, electrical breakdown strength and polymer morphology 2−9792
irradiated dielectrics, material parameters effect on charging charact. 2−20432
'KAPTON' covered rectangular Cu wires, props., performance and applications 2−24751
Kevlar, X-ray induced electron emission meas. 2−14559
light detection in polymers as a prebreakdown phenomenon 2−9797
light-focusing element, refr. index profile form. during diffusion process 2−20643
mechanism of breakdown of cast epoxy insulation under the action of partial discharges 2−4267

polymers continued
metallised polyester materials, for waveguide construction *(Russian)* 2−24646
methyl α-trifluoromethylacrylate radiation-sensitive polymer, appl. as electron and UV resist in microelectronics 2−5775
methyl methacrylate-methacrylic acid copolymer and o-nitrobenzyl carboxylates, resin-inhibitor system, photoresist appls. 2−20175
mica-resin insulated coils, tests and degradation criteria 2−7824
Mylar, X-ray induced electron emission meas. 2−14559
Mylar film, SF_6 gas impregnated for transformer insulation, partial discharge inception and extinction studies 2−7908
new sachet packing for epoxy resin used in low voltage cable potting *(German)* 2−27552
nuclear power plant power cables insulation flame proofing and increased resistance to radiation 2−27498
oligomeric viologen compounds for electrochromic displays *(Japanese)* 2−7157
PET, thermally stimulated currents, peak current and temp. meas. *(Korean)* 2−25368
photopolymerisable epoxy resins, appls. in PCB technology 2−14418
piezoelectric polymer flexural plate hydrophone, mathematical model 2−17600
plasma-developed ion-implanted resists with submicron resolution for LSi ion-beam lithography, etch mask appls. 2−20331
plastics, insulating charact. and applications *(German)* 2−1515
PMMA, electrical aging, light scatt. study 2−20444
PMMA, ion beam exposure profiles, computer simulation 2−25117
PMMA, resist films, VUV photochem. reactions, IR spectra study 2−5651
PMMA, surface deterioration and tracking breakdown due to glow discharge in low press. atm. *(Japanese)* 2−5852
PMMA core low-loss plastic optical fibres 2−1682
PMMA etch resistance under various reactive ion etch conditions, submicron structs. 2−20333
PMMA immersed in oil, anomalous breakdown under DC and impulse stresses 2−9801
PMMA tree patterns under alternating voltages, obs. 2−25387
PMMA two-level resist technology, recent developments for LSI 2−20334
poly(alkyl methacrylate)-co-(2-hydroxyethyl methacrylate), negative electron/X-ray resist. appls. 2−20325
poly(chloromethylstyrene) electron resist, high performance, molecular and chem. props., lithographic performance 2−20311
poly(methyl methacrylate-co-indenone) dee-UV positive photoresist, for Si IC technology 2−20323
poly(vinylnaphthalene) electron resists, dry etching, etching rates comparisons, submicrometre fabrication 2−20314
poly-4-methylpentene-1, laminated lens material, optical tests of quasi-optical components for the MM region 2−25561
poly-(butene-1 sulphone), resist films, VUV photochem. reactions, IR spectra study 2−5651
poly-N-vinyl carbazole, model of photogeneration of carriers 2−15389
poly-N-vinylcarbazole layers with added dicyanomethylene derivatives of indandione-1,3 and isatan, electrophotographic sensitivity *(Russian)* 2−10433
polyacetylene, diffusion of SbF_5 and I_2 2−25146
polyacetylene, doped, elec. cond. freq. depend., soliton model 2−25041
polyacetylene, elec. transport, mag. and struct. props., review 2−25039
polyacetylene, electron hopping cond., soliton model 2−25040
polyacetylene, one-dimens. cond., conf., Boulder, Colorado, USA (Aug. 1981) 2−23867
polyacetylene, p-type, dopant profiles and optical and electrical props. 2−20119
polyacetylene, photocond. due to charged solitons 2−6090
polyacetylene, use as cathode active material in lightweight rechargeable storage batteries 2−7977
polyamideimide resin for machine winding insulation, 200°C enamelled wire 2−18152
polyamideimide-ester-based magnet wire for hermetic motor windings 2−18151
polybutadiene, high-temp. 100% reactive liquid thermoset insulation, props. and appls. 2−15069
polyester amide-imide wire enamel cure profile determ. by dielec. anal., automatic dielectrometer 2−16837
polyester fibres, modification of struct. by stretching and thermal treatment *(German)* 2−13867
polyester photographic films for PCB imaging with good size retention props. 2−5464
polyester/epoxy varnish insulation for magnet wire, compatibility tests 2−14333
polyesterimide-based magnet wire for hermetic motor windings 2−18151
polyethylene, influence of elec. field and press. on cond. 2−5864
polyethylene, low density, cable insulation appls., partial discharge evaluation, 8-channel ATE controlled by real-time microprocessor system 2−11364
polyethylene, low density and cross-linked, light detection during the initiation of electrical treeing at room temperature 2−9769
polyethylene, multistress aged, impulsed dielectric breakdown 2−9804
polyethylene, partial discharge inception voltage, systematic study 2−9793
polyethylene, peroxide cross-linked, cable insulation appls., partial discharge evaluation, 8-channel ATE controlled by real-time microprocessor system 2−11364
polyethylene, supercritical He impregnated, partial discharges 2−27524
polyethylene, surface deterioration and tracking breakdown due to glow discharge in low press. atm. *(Japanese)* 2−5852
polyethylene cable insulation, protection against treeing by addition of retarding agent, expt. tests 2−9791
polyethylene internal discharge endurance life tests by glass-covered electrode system, freq. accel. charact. 2−25386
polyethylene power cable insulation, ageing studies size exclusion and coupled chromatography 2−15079
polyethylene terephthalate insulating material, high-pressure corona discharge interaction, damage 2−9828
polyethylene terephthalate internal discharge endurance life tests by glass-covered electrode system, freq. accel. charact. 2−25386
polyimide film, laser processing 2−14751
polyimide masks for submicron X-ray lithography, fabrication 2−20322
polyimide masks for X-ray lithography, high durability and dimens. stability, fabrication 2−20174
polyimide membrane masks for high-resolution ion beam lithography 2−20318
polyimide resin, solvent-soluble type, hybrid IC appls. 2−19998

polymers continued
polymer-ceramic composites for hydrophones, fabrication and interphase connectivity 2−19457
polymer-ferroelectric composites, pyroelec. props. 2−1507
polymethyl methacrylate resin, current pulses caused by electrical tree development 2−20440
polyolefin systems, flame retardent, low cost alternatives to engineering resins in electronic equipment manufacture 2−13865
polyolefins, electrically stressed, kinetics of degradation 2−9765
polypropylene coatings for prevention of corrosion in wire processing 2−24749
polypropylene cross-linking, appl. to foaming *(Japanese)* 2−15064
polypropylene electric strength obs., impregnation, compression and temp. effects 2−25389
polypropylene insulating materials, high-pressure corona discharge interaction damage 2−9828
polypropylene internal discharge endurance life tests by glass-covered electrode system, freq. accel. characts. 2−25386
polystyrene, surface deterioration and tracking breakdown due to glow discharge in low press. atm. *(Japanese)* 2−5852
polystyrene core optical fibre, low loss 2−25516
polystyrene-PMMA copolymer scintillator optical characteristic stabilisation by prolonged heating 2−27053
polysulfones engineering appl., insulation and molded articles 2−19461
polysulphone circuitry for HF appl., microwave dielectric props., multilayer prod. 2−19933
polytetrafluoropropyl methacrylate resist., 80 nm wide line fabric. by H^+ beam exposure 2−20291
polythene electric strength obs., impregnation, compression and temp. effects 2−25389
polythene insulation degradation under electric load *(Hungarian)* 2−20435
polyvinyl acetate films, corona charged, surface charge decay characts. thickness depend. 2−13127
polyvinyl chloride, cross-linking, advantages for cable insulation appls. 2−7546
polyvinylidene fluoride, nature of pyroelectricity at low temps. 2−5831
polyvinylidene fluoride, pyroelectricity, molecular basis 2−5833
polyvinylidene fluoride membrane hydrophone for 1-100 MHz range 2−17597
polyvinylidenefluoride, physical properties with emphasis on piezoelectric activity 2−20455
positive electron resists 2−20309
positive temperature coefficient thermistors, using conductive polyme rs overcurrent protection appl. 2−24738
power cables, 10 to 30 kV range, synthetically insulated, influence of operational practise on construction for electricity supply networks *(German)* 2−22921
power cables, XLPE, 275 kV, development of cable and accessories 2−27496
PPIB, DC hopping cond., Mott $T^{-1/4}$ law from rate eqn. formalism 2−9450
propylene carbonate, DC conductivity, permittivity and dielec. relaxation of supercooled liquid, 5 mHz to 5 MHz 2−1480
PTFE, irradiation effects on charge storage and cond. 2−5860
PTFE in liquid N_2, insulating props. *(Russian)* 2−20460
PTFE in liquid N_2 in strong electric field, durability study 2−25384
PTFE insulating material, mech. and elec. lifetime-under-load at cryogenic temps. 2−20464
PTFE-polyhexafluoropropylene electret, charge relaxation, surface phenomena role 2−9756
PVC, surface deterioration and tracking breakdown due to glow discharge in low press. atm. *(Japanese)* 2−5852
PVC rods permittivity, meas. using cavity resonators and dielectric rod effect on reson. freq., anal. *(German)* 2−10539
PVDF piezopolymer transducers with point-supported membranes 2−17604
radiation-polymerised polyethylenes, dielectric loss tangent analysis at 500 MHz, 20°C, submarine cable appl. *(Japanese)* 2−16332
radome woven materials transmission spectra, for mm wavelength appl. 2−21895
resin curing, electrical monitoring with charge flow transistor 2−631
resists, ion-beam sensitivity, submicron resolution, appls. 2−20327
room temperature vulcanising resins, electrical industry appl. *(Polish)* 2−4651
sheating for submarine coaxial cables, weatherability of polyethylene *(Japanese)* 2−16333
Shipley AZ 1350J positive photoresist, photosensitivity, temp. effect 2−24822
silicones, secondary passivation of semiconductor structural elements appl., comparison with epoxy compounds *(German)* 2−14779
solid epoxy resins for molding appls. 2−13868
Stypol 83-2000 polyester insulating varnish for Class 180+ transformers, motors and coils 2−18155
submarine coaxial cable sheathing, armoured/nonarmoured, structural design study *(Japanese)* 2−16328
synthetic insulation disruptive strength dependence on electrical pre-stress *(German)* 2−20436
synthetic insulation systems for HV rotating machines 2−7803
Teflon, dielectric charging, straggling and soft X-ray irradiation effects 2−21016
Teflon, irradiated dielectrics, material parameters effect on charging characts. 2−20432
thermoplastic resins, protection against fire, international standards *(Italian)* 2−20465
thick film resistors, elec. characts., phenomenological explanation 2−1066
thick film resistors, electrical characts., expt. results 2−1065
thick films hybrid industry, paste manufacturer's view 2−24849
tracking index, comparative deviation 2−19478
transformer oil, polymeric materials, ageing characts. 2−15081
transparent polymers, laser damage mechanism assoc. with their viscoelastic props. 2−20937
vinyl polymers, F-containing synthesis, radiation degradation and electron beam resist. behaviour 2−5656
water tree growth rate, freq. dependence rel. to dielec. relaxation in host 2−9794
XLPE cable insulations, mineral filled, voltage endurance in wet and hot environment 2−15077
CaF_2-PTFE TLD, neutron sensitivity calc. 2−27212
$CaSO_4$-polyethylene TLD, neutron sensitivity calc. 2−27212
$Pb(Zr,Ti)O_3$-polymer composites, pyroelec. props. 2−1506
polymers continued
$Pb(Zr,Ti)O_3$-polymer composite, high freq. appl. 2−22755
Si-rubber elastomers, characts. and applications *(German)* 2−25385

polynomials
see also splines (mathematics)
absolute primality 2−19079
adaptive piecewise polynomial curve fitting procedure for data analysis 2−8681
algebraic for differentiable function approximation 2−459
approximation of x^n by reciprocals of polynomials 2−13700
arbitrary-phase polynomials generated by recurrence formulae, used for filter transfer functions 2−8938
asymptotically unbiased trace filter with constant parameters *(Chinese)* 2−13328
autoregressive process, estimation of coefficients by using higher order moment 2−13462
Bernoulli and Euler polynomials, multiplication theorems 2−19063
best Chebyshev, discrete Chebyshev and L_q-approximations, error estimations for deviation 2−8701
binary forms invariants *(French)* 2−8334
biquadratic n-dimensional impedances, Hurwitz polynomials, positive real functions 2−8935
block designs, complexity of deciding isomorphism 2−4864
bounds of Galerkin projections on splines with highly nonuniform meshes 2−19370
Burgers' stationary eqn. approx. by spectral methods *(French)* 2−13673
cardinality of s-distance subset in real Euclidean space 2−19166
Cauchy type singular integral equations, solution using piecewise quadratic polynomials 2−13790
centred form optimality 2−4938
characteristic polynomials of the information matrices of balanced fractional 3^m factorial designs of resolution V 2−4815
Chebyshev polynomials having asymptotic power series 2−476
circular complex interval polynomials, centred form 2−24226
coal mining technical and economic predictions using Lagrange polynomial *(Russian)* 2−13695
complex roots of systems of polynomial equations with few monomials *(French)* 2−4703
computation coefficients, I_{01} approx. and round-off problem *(Chinese)* 2−13675
continuous indefinite-weight analogs of orthogonal polynomials on the unit circle and related extension problems *(Russian)* 2−4928
control system stability, new inner matrix 2−24036
correlative coding scheme description by MSK with intersymbol interference 2−2285
deviation of best discrete and uniform polynomial approximants 2−8674
differential equations numerical solution, finite approximations method 2−4953
digital FM transmission system, performance characts. 2−21431
discrete dynamic programming recursions, polynomial bounds on problems with block-triangular structure 2−8648
discriminating stability for second order linear system, numerical method *(Chinese)* 2−13687
ellipsoid method and its consequences in combinatorial optimization 2−19172
elliptic boundary-value problems dimension reduction method 2−473
exponential polynomial sequence subdivision *(Russian)* 2−13548
exponential polynomials and sums of powers, p-adic interpolation appls. 2−470
extremal, used in bounds of code vol. 2−15845
fully polynomial approximation algorithm for the 0-1 knapsack problem 2−19251
function approximation, by means of developments on Chebyshev polynomials *(French)* 2−4947
function approximation in Hilbert space 2−462
generalized Chebyshev method for nonlinear parabolic equations in one space variable 2−24257
generalized zero sets of multiparameter polynomials and feedback stabilization 2−24231
graph enumerating polynomials, reconstruction theorems 2−310
Green's function, Jensen measures, and bounded point evaluations 2−19066
Hankel transform numerical evaluation, discrete Laguerre polynomials appl. 2−8682
Hausdorff synthesis of aerial grids in scanning directivity diagram *(Bulgarian)* 2−6358
Hermit-Fejer polynomials, second class, degree of approximation *(Chinese)* 2−13689
Hermite-Fejer polynomials, convergence order of interpolation *(Chinese)* 2−13677
homogeneous two variable reactance functions, characterisation and synthesis 2−671
Hurwitz, two-stage stability test for two-dimensional recursive digital filters 2−14220
IIR maximally flat group delay low-pass digital filters with flat passband 2−19806
IIR sample-rate alteration filter design method 2−5299
inductive dynamic brake device in high speed switchgear, math. model. 2−4308
invariant differential equations representation *(Russian)* 2−500
inverse Z-transform of rational function of z 2−4716
iteration and transcendental entire functions 2−471
Khachyan's algorithm, linear programming optimal soln. *(French)* 2−4913
Lebesque integrals of Riemann-Liouville type, over-defined differential equation system *(Russian)* 2−4710
linear control systems Pade approximation methods 2−8706
logistic difference eqn., periodic soln. eqns. 2−13767
lowpass and bandpass filters, attenuation characateristics approx. by optimising weighted error criterion 2−9140
matching polynomial theory of graphs 2−339
MHD/steam power plants, real-time simulation by digital parallel processors 2−23140
multidimensional digital filters, stability test 2−836
multiple Wiener-Ito integrals. With applications to limit theorems in random variables problems, book 2−8428
near-minimax interpolation by a polynomial in z and z^{-1} on a circular annulus 2−8679
nonlinear equations, periodic soln. computation 2−8718
nonsingular polynomial matrices structure 2−19070

polynomials continued
On Chebyshev rank for uniform approximation problems in $\mathfrak{R}$-bounded function space *(Russian)* 2−4930
orthogonality generalisation *(French)* 2−13334
partially underlined permutations and geometric polynomials *(French)* 2−24148
periodic functions and polynomials, spline approximations *(Russian)* 2−4927
piecewise Hermite polynomials, two-point boundary value problems, error estimates for collocation method 2−24258
piecewise polynomial approximation to the solution of an integral equation with weakly singular kernel 2−8691
planar kernel or Sprague-Grundy function of digraph, NP-completeness 2−24174
power plant appls. of nonlinear state-affine identification methods 2−7592
probabilistic algorithms and straight-line programs/ for some rank decision problems/ 2−487
quadratic forms decomposition, using second degree polynomial classifier *(German)* 2−19078
recurrences satisfied by special classes of polynomials 2−13345
reducible polynomials in more than one variable 2−24242
scattering problem partial differential equations finite element solution 2−13769
self dual codes and group of automorphisms of certain algebra *(French)* 2−24151
sequences of binomials, set-theoretical approach 2−24029
sequences of functions, uniform convergence *(Chinese)* 2−13680
spectral and pseudo-spectral methods for parabolic problems with non-periodic boundary conditions 2−24229
squirrel cage induction motor, three-phase, permeance of eccentric air gap, calc. 2−4137
stability theorems, 1-D and 2-D, for discrete systems 2−15903
transfer function polynomials orders reducing, meas. and control theory appl. 2−16758
transmultiplexers, implementation by polynomial transforms 2−26319
umbralized umbral operators for polynomial sequences 2−19159
uniform strong unicity for rational approximation 2−24236
vector orthogonal polynomials 2−8704
Walsh's theorem on interpolating polynomials, extension to rational functions 2−24244
weighted Galerkin method of numerical solution of Cauchy type singular integral equations 2−19385
weighted polynomial approximation of entire functions 2−19294
zero order of polynomials estimation *(Russian)* 2−13742
zeros calc., Laguerre method and its convergence 2−19304

Pontryagin maximum principle *see maximum principle*

Poole-Frenkel effect
blocking contact MIM structures, theory of elec. characts. 2−5643
copper phthalocyanine binder photoreceptor, trapping levels, TSC study 2−10113
dielectric liquids, classical cond. model appl. 2−5827
Au discontinuous film in point-contact diodes, switching 2−983
Ge, amorphous, elec. props. 2−9460
Ge-Bi(Sb), amorphous, elec. props. 2−9460
Ge_4Se_5Te films, charged defects, Poole-Frenkel effects study 2−25007
SiO_x film, reactively evaporated, elec. cond. props. 2−5642
Ta-Ta_2O_5-MnO_2 system, space-charge-limited cond., Poole-Frenkel effect 2−25092

popcorn noise *see random noise*

Popov criterion
No entries

population inversion
see also laser theory; lasers; stimulated emission
Q-switched pulse train laser theory *(Chinese)* 2−6125
semiconductors, hot electron effects in crossed mag. and static microwave elec. fields 2−24909
semiconductors, laser radiation, submicron, from exciton transitions excited by external source 2−25752
Ar thermally heated recombining plasma, amplification possibility under gasdynamic expansion 2−1885
CO_2, cold, rapid mixing with hot N_2 gases in gas throat, optical gain 2−1836
CO_2 waveguide laser, parameters of active medium by luminesc. study 2−20810
Er^{3+}:YAG crystals, stimulated emission spectrum due to self-saturating transitions 2−15499
p-Ge, hot carrier population inversion, Hall effect study 2−24941
p-Ge, hot electron population inversion in mag. field., expt. and Monte Carlo simulation 2−24942
H_2O diffusional gas-dynamic lasers, submillimeter-range radiation generation 2−25704
He-H_2 recombination laser excited by continuously operating electron beam, impracticability 2−1883
^{3}He-Ne laser, CW nuclear pumped, lasing transition theory 2−15450
$La_2Mg_3(NO_3)_{12}.24H_2O:Co^{2+}$, Ce^{3+}, maser effect on Co^{2+} spin sub-levels *(Russian)* 2−6124
$Pb_{1-x}Sn_xTe$ diode lasers, tunnelling-determined threshold current 2−1939
ZnS:Cu,Nd,Cl film, laser phenomena in direct current electrolum. and cathodolum. 2−10127

porosity
see also porous materials
ethylene-vinylacetate copolymer, C loaded, resist. and positive temp. coeff. of resist., correl. with C black parameters 2−25391
graphite ionisation chambers, ionisation error due to porosity 2−11837
microporosity detection by ultrasonics 2−19474
MnZn ferrites, phys. props., pressing press. effect 2−8848
Nb_3Sn multifilamentary superconductor, manufacture by external diffusion method 2−5923

porous materials
drying, microwave 2−13076
flow meas. through porous media, liquid saturation meas. using gamma densitometer 2−22447
impregnation with liquid dielec., elec. behaviour, relative permittivity determ. 2−1479
sedimentary rocks, physical principles of high-frequency induction log isoparametric sounding 2−27265
structure characterisation, adsorption isotherm 2−24340
Cu, sintered, use in efficient air-cooling method for semicond. devices 2−25167

porous media *see porous materials*

Portevin-Le Chatelier effect *see serrated yielding*

posistors
PolySwitch PTC devices, for overcurrent protection 2−24734

position control
see also attitude control
16-bit D/A converter, for electron beam positioning in lithography *(Russian)* 2−886
adaptive welding control using video signal processing 2−4542
antenna driving systems, state controllers and observers 2−16537
CNC industrial robot, Z80 microprocessor appl. *(German)* 2−4517
DC motor microprocessor interface, used for industrial control, position control *(Italian)* 2−12656
digital code convertor, effect of buffer dividers on nonuniform binary pulse sequences *(Russian)* 2−5168
digital frequency multiplier, used with bidirectional incremental shaft encoder *(Italian)* 2−9187
disk file servo system, 2000 tracks/inch, using magnetoresistive head 2−15176
electric motor drive position and speed microcomputer-based system 2−23241
electron beam exposure system, positioning stage driven by hydraulic cylinder 2−14522
flight control, dual input actuator for fluidic backup 2−17491
geosynchronous orbital altitude satellite position management 2−11983
head-positioning system using buried sensors 2−15174
image digitiser function and appl. 2−22276
image processing system, coordinate measuring table, microcomputer control *(German)* 2−11354
laser frequency-sweeping interferometer, appl. in pattern generator 2−25116
laser velocimeter with microprocessor controlled positioning, subsonic wind tunnel appl. 2−22621
microdensitometers, computer controlled, coordinate error investig. *(Russian)* 2−3036
MIG welding control system using optical sensing 2−4533
NC machine tools and robots *(German)* 2−4497
PCB automatic drill 2−19977
permanent magnet synchronous motor drive with current source invertor, steady-state anal. 2−12978
photoelectric sensing devices in materials handling appls. 2−22280
photovoltaic solar generator, control circuit for max. power point tracking system *(Spanish)* 2−4348
plate bending machine, programmable position control system *(Portuguese)* 2−4496
robot control using TV image processing 2−21988
Rutherford backscattering spectrometry, automatic beam alignment for channelling meas. 2−11875
satellite communication antennas, control analysis for direct mechanical stabilisation 2−10588
satellites for direct TV reception, calculation method *(Italian)* 2−6789
scanner control system response speeds, problem of improvement *(Russian)* 2−25884
semiconductor wafer pneumatic chuck transfer system for precise positron control 2−1262
shaft angle measurement, positioning using synchros, resolvers 2−18283
shaft encoder resolution, simplified multiplier cct., using multiplexer, shift register, logic gates *(Italian)* 2−9188
stepper motor stop phase control 2−4243
stepping motor minor-closed-loop-control for high speed positioning 2−12670
superlight rotating reflectors in space, orientation and position control 2−7363
track-positioning servos, defect accommodation 2−4245
tracking system for arc welding and thermal cutting 2−4538
two-axis diffractometer for synchrotron X-rays at DORIS 2−22511
two-phase flow meas., microprocessor-based instruments 2−16835
welding torch tracking, preview control 2−18814
workpiece diameter, vibration and position sensing by laser, quality control automation 2−10395

position finding *see navigation*

position measurement
see also astrometry
acoustic wave position sensors, two-dimension sensor using Rayleigh waves, linear sensor using bulk waves *(French)* 2−22253
bipolar solenoid with position indication, remote control using minimum of wiring *(Italian)* 2−2097
CCTV camera images processing, using hard-wired analysers 2−11612
contactless measurement of positioning, sensors, design *(Bulgarian)* 2−7098
distant moving target, polar coordinate meas., quasioptimum filtering in laser device *(Russian)* 2−26542
electric motor drive position and speed microcomputer-based system 2−23241
electronic proximity detectors, types, industrial appls. *(Italian)* 2−22232
flight testing, microwave system for real-time position meas. 2−17132
hydroacoustic position reference system with a narrow beam tracking transducer 2−26545
industrial sensors and transducers for monitoring and regulation *(German)* 2−3294
ionisation chambers, particle position meas. 2−11783
LSI photolithography overlay registration errors 2−14956
mining, trapped-miner location system based on ELF link with computer control, mag. dipole excitation system 2−16456
multiple coordinate measuring machines, selection and operation *(German)* 2−26962
MWPC, relative wire position meas. technique 2−3370
oceanographic conductivity-temperature-depth telemeter, microcomputer controlled 2−22739
optical beam, sequential estimation of position 2−7213
optical location of close targets accuracy of polar coordinate estimation *(Russian)* 2−26541
photodetector, effects causing nonlinear position response anal. 2−22273
photoelectric circuit for remote sensing lateral position indicator 2−3157
photoelectric switch appls. in position detect. 2−7082
piston transverse motion in internal combustion engines *(German)* 2−7214
quasi static geomagnetic field technique 2−3273
range finding technique, using laser spot scanner and solid-state image sensors 2−16512

position measurement continued
robot vehicle, slit code detection method for position measurement *(Japanese)* 2−17131
vacuum deposition shutter position indicator system 2−11527
worldwide navigation systems Omega, Transit and Navstar/GPS 2−16526
position sensitive particle detectors
32-channel amplifier for proportional inclined chamber 2−11855
cathode read-out MWPC, charge centroid evaluation, systematic error 2−3369
chevron microchannel plate, response to 2.5 and 14 MeV neutrons 2−9379
drift chamber, charge division and precision timing 2−27038
drift chamber, gas mixture control system in Axial Field Spectrometer 2−11790
drift chamber with 23 μm spatial resolution, construction and performance 2−27036
drift chamber with second coord. readout by charge division, performance study 2−27037
drift chambers, microprocessor-controlled readout system 2−17302
dual grid-type beam scanner 2−11789
electrostatic imaging of particle trajectories 2−27071
instrument for light impurity atoms lattice location studies by (n,α) reaction 2−3384
ionisation chambers, particle position meas. 2−11783
lead-glass total absorption counters in hodoscope gamma spectrometer 2−11868
magnetic field design for a high energy physics detector 2−7286
magnetic quadrupole spectrometer for time-of-flight meas. 2−22507
microchannel plate read-out using graded-density electrodes 2−27043
multineedle counter with cathodic focusing *(French)* 2−7284
multistep avalanche chamber, design, building and testing *(Chinese)* 2−22495
MWPC, high-resolution for small-angle X-ray diffraction 2−17245
MWPC, large drift space, X-ray detect. *(Chinese)* 2−22496
MWPC, low-mass detector as profile monitor for 800 MeV proton beam 2−11779
MWPC, low-press., ion detection, ionisation probability meas. 2−11798
MWPC, position resolution anal. in centroid meas. 2−3379
MWPC, relative wire position meas. technique 2−3370
MWPC as beam scanner 2−11780
MWPC monitoring, task transfer to microprocessor 2−17278
MWPC wires tension control method 2−22477
p-type multicomponent telescope for charged particle spectrometry and identification *(Russian)* 2−17314
parallel plate avalanche counter for minimum ionising particle detection 2−7275
proportional counter, position-sensitive, for β-ray spectrometer 2−11792
proportional counters for source imaging using neutron pinhole cameras 2−17256
proportional drift chamber gas amplification improvement by Xe admixture 2−27050
scintillation counter, array localisation system *(Chinese)* 2−22499
spiral projection chamber, central detector for expts. at LEP 2−3388
stereo drift chamber with closely packed planes, design and performance 2−3375
streamer chamber design and performance 2−27072
synchrotron X-ray experiments, detection apparatus *(Japanese)* 2−7283
triangular tube proportional chamber system for muon identification 2−11781
two-dimensional position sensitive ΔE-E counter for energetic light charged particles 2−3377
H rapid cycling bubble chamber for visualising charmed particle decays 2−22497
^{3}He-Xe proportional scintillation detector for neutron detection 2−11788
NaI(Tl) detector, one-dimens., position-sensitive, design and construction 2−17244
Si diode matrix array for α-particle autoradiography 2−3402
T, real-time imaging by secondary electron emission detection 2−5512
Xe, liquid, position-sensitive gamma-ray detector for positron annihilation expts. 2−11786
positioning *see position control*
positive column
see also glow discharges
whistler wave excitation by helical wave struct. 2−10515
H glow discharge, anode transition 2−9344
He-Cd$^+$ laser discharge, positive column, excitation mechanism of Cd(II)5s^2 $^2D_{5/2}$ state 2−1858
Ne-Cd$^+$ laser discharge, positive column, excitation mechanism of Cd(II)5s^2 $^2D_{5/2}$ state 2−1858
positive feedback *see feedback*
positive ray sources *see ion sources*
positive rays *see ion beams*
positive temperature coefficient thermistors *see thermistors*
positron states
lifetime meas. of positrons and positronium in condensed media 2−17296
postal services
Hungarian, optimised road and rail transport *(Hungarian)* 2−4417
United States postal service, technologies developments 2−10809
potential dividers *see voltage dividers*
potential scattering
No entries
potential transformers
axial symmetric arrangements numerical field calc. using desk top computers *(German)* 2−23332
calculation of transient current in transformers 2−23337
coupling capacitance voltage transformers, transient response, IEEE report 2−17782
current and voltage transformers/ for 6-10 kV integrated switchboards/ 2−4266
EM voltage transformer failure due to sustained overvoltage on switching, field tests and calc. 2−12693
ferroresonant constant voltage transformers, low distortion, good stability and regulation 2−7896
HV instrument transformer insulation ageing determ. *(Hungarian)* 2−23348
HV overhead cabes discharging via inductive metalcapsuled voltage transformers *(German)* 2−22933
LF voltage ratio transformer design, using CMOS switches 2−14322
potential transformers continued
rectifier-type constant voltage transformer in current-stabilised power supply for He-Ne laser *(Chinese)* 2−15528
three-winding traction transformer voltage symmetrification *(Russian)* 2−18289
voltage transformer frequency tripler with three-phase output *(Polish)* 2−24640
potentials (bioelectric) *see bioelectric potentials*
potentials (electric) *see electric potential*
potentiometers
see also voltage measurement
6522-based, digitiser characts. 2−9239
automatic, verification w.r.t. GOST standard 2−26896
boiler pressure meas. 2−26988
Bourns 3682 digital potentiometer, controls variable timer 2−9174
characteristics and definitions *(German)* 2−956
digital potentiometer, used to feed variable resistor value into microcomputers 2−5373
electron microscope stigmator circuit using linear potentiometers 2−5526
manipulator feedback, pitch and yaw rotary axis calibration device 2−26725
optoelectronic noncontacting, frequency range extension *(Russian)* 2−1775
performance improvements in potentiometers and trimmers 2−14311
precision, single- or multiple-winding, various types, applications *(Swedish)* 2−24732
steam turbine flow section, temp. meas. 2−27729
technology trends, present status in India 2−14310
temperature meas. using thermoelectric thermometer, potentiometer testing errors determ. 2−17158
US flowmeters, self-balancing AC potentiometer *(Russian)* 2−16754
CdSe photoconductive thin film, photopotentiometers, heat treatment, anal. and characts. 2−20742
powder cores
No entries
powder diffraction cameras *see cameras; X-ray crystallography apparatus*
powder metallurgy
multifilamentary sueprconductors, in situ and powder metallurgy, review 2−5927
superconductors, A15 microcomposite, hot powder metallurgical prep. 2−5929
$Bi_2Te_{2.88}Se_{0.12}$, extruded, elec. props. and struct. 2−20118
Cu-Nb-Sn, cold powder-metallurgy processed multifilamentary composite, fabrication, current density 2−8843
Fe-Si (6.5 wt.%), powder, prep. by spark erosion 2−19455
MoMn paste composition and sintering parameters effect on leuco-sapphire-metal bonds 2−613
Nb_3Sn-Cu composite, powder preparation, critical current density 2−9893
$SmCo_5$ permanent magnets, deform. sintered, struct. and mag. props. 2−15212
powder sprayed coatings
thermosetting, coupled with infra-red curing, cost effectiveness 2−23810
powder spraying
No entries
powder techniques *see powder technology*
powder technology
see also hot pressing; powder metallurgy; powder spraying; sintering
ceramic dielectric for capacitor 2−20430
Mn-Zn ferrites, low loss, prep. with complex oxalates, mag. props. 2−13870
$Nb_3(Al_{0.75}Ge_{0.25})$, supercond. wire, manufacture from powder *(Chinese)* 2−19468
SiC based resistance material 2−13859
Sr ferrite, magnetization, milling treatment effect 2−15139
powders
see also powder sprayed coatings; powder spraying; sintering
acid smut from oil-fired boilers, neutralization by $Mg(OH)_2$ powder, injection equipment development 2−23095
ferrite powder replacement of electrolytic Fe powder in mag. separation of grains *(Rumanian)* 2−15667
squeaking solder powder, composition and appls. 2−8267
TGS powder-silicone rubber composite, ferroelectricity 2−20451
(Zn,Cd)S:Ag,Cl DC electrolum. powder cell, donor-acceptor recombination luminesc. 2−25614
power amplifiers
AF, clipping indicator, LED display 2−6977
AF, for open-air use with discos and electric guitars, 200 watts into 4 ohm load 2−729
AF amplifier wiring details 2−3000
AF power amp. comparison, up to 350 W rating, stereo music appl. *(German)* 2−16724
broad-band amplifier output network design 2−24413
C-band FET amplifier for TWTA replacement in spaceborne communication transponders 2−5349
Class A amplifier design, comparison with classes AB, B 2−19557
class A DC power amplifier, design description *(French)* 2−5133
distributed-gain, with bandwidth 0.1-450 MHz 2−13988
dual/quad operational amplifiers, driving of large currents into given load 2−5113
ETI System A power amplifier, operating in Class A 2−734
four pole electron tube for radio and TV transmitters *(Japanese)* 2−20016
HiFi stereo power amplifier/ *(German)* 2−2986
high-power AF amplifier, 125 W, use of input differential cct. with RC feedback to improve linearity/distortion *(Spanish)* 2−11303
high-power amplifier, saturation, multicarrier performance prediction, with two-carrier measurements 2−6797
HMOS AF power amplifier, assembly and wiring 2−22017
IMPATT amplifier, nonlinear distortions *(Russian)* 2−723
Intersil ICH 8515 hybrid power amplifier for motor control *(French)* 2−736
klystron/TWT combination, 5.9 to 6.4 GHz systems, appl. to earth stations 2−21787
LF, Monte Carlo method of one-sided tolerancing 2−19571
linear, design to give high stability 2−750
microwave transistor in common emitter power amplifier cct., non-linear mode calc. *(Russian)* 2−24704
microwave tubes, used for communications satellites, characts. 2−9367
monolithic AF amplifiers, computer-aided evaluation of transient intermodulation distortion 2−751
monolithic audio power amplifier with volume and tone control 2−13995

power amplifiers continued
multistage MIC power amplifier, 800 MHz band, adjustment free 2−24416
operational IC, appl. criteria *(German)* 2−13979
power output booster stages, used for operational amplifiers *(French)* 2−19560
PW Stour top-band transceiver constr. details 2−6779
relay contact protection, using power amplifier inhibit cct. 2−24764
RF, 2m amateur band FM power amplifier for use with fixed/mobile transceivers 2−21729
RF, unpaid of semiconductors on TV transmitter design 2−6904
RF solid state power system design 2−5111
satellite microwave solar power transmission and reception system 2−18527
see-through traveling-wave power amplifiers 2−20029
selective high-power amplifiers, with bipolar transistors, destructive instability 2−19568
solid state, crosstalk performance compared to TWT amplifier 2−6349
stereo preamplifier/30 watt RMS power amplifier 2−746
VHF power amplifier design using VMOS power FET *(German)* 2−5118
VMOS FET power amplifier, class E, 0.5 to 10 MHz, for driving piezoelectric US transducers 2−728
VMOS RF power amplifiers, automatic gain control *(German)* 2−5119
GaAs FET, hybrid and monolithic broadband low-noise-and-power amplifiers using feedback techniques 2−5350
GaAs FET appls. in microwave integrated systems 2−24719
GaAs FET power amps meas. techniques 2−5357
GaAs FET power combining with travelling-wave combines amplifier 2−9217
GaAs monolithic microwave power FET amplifiers 2−944

power apparatus
see also electric machines; power conversion; switchgear; transformers
electronic power equipment manufactured in Poland, current range *(Polish)* 2−8260
Polish products survey, ELEKTROMONTAZ range *(Polish)* 2−18148
service centres, role in energy/material conservation 2−23244

power cables
see also gas pressure cables; power overhead lines; superconducting cables; underground cables
6 kV cables, routine checks, optimum sheduling at steel plants *(Russian)* 2−18790
10 to 30 kV range, synthetically insulated, influence of operational practise on construction for electricity supply networks *(German)* 2−22921
77 kV cross-linked polyethylene cables, Y-splices development 2−27555
275 kV cross-linked polyethylene cables terminations development 2−27510
275 kV crosslinked polyethylene insulated cable and accessories, development *(Japanese)* 2−17738
400 kV power cables with paper/oil SF_6, or polymeric insulation, present day developments *(French)* 2−22927
accessories, cooling method using heat pipe *(Japanese)* 2−17722
ageing studies, size exclusion and coupled chromatography 2−15079
ampacity test of a silicone foam firestop in a cable tray 2−12250
application of copper-wire conductors and cables to electric wiring systems *(Russian)* 2−3754
changes concerning co-ordination of cartridge fuse and cable ratings, UK wiring regulations 2−53
concentric neutral cables, cathodic protection systems, drawings and graphs 2−27519
concentric neutral cables, cathodic protection systems, tests, data, and analysis 2−27518
cost effective corrugated polyester film insulated cable properties and construction *(Swedish)* 2−22923
crosslinked polyethylene insulated, rated up to 110 kV, materials selection, manufacturing technology, construction and testing methods *(German)* 2−27506
cryogenic bulk power transmission cables, feasibility study *(Japanese)* 2−17735
cryoresistive, development in USSR *(German)* 2−12259
development of joints for medium voltage polymeric cables 2−7567
distribution cables, numerical model for simulation, curing rates 2−22925
distribution cables processing, numerical model for simulation, heat and mass transfer 2−22924
electric field analysis by surface charge method *(Japanese)* 2−17719
ethylene propylene rubber insulated power cables, environmental effects on rate of aging 2−22926
ethylene-propylene rubber cable insulation, characterisation 2−15078
evaporative cooling, prediction of thermal performance with load changes, investigation 2−27515
evaporative cooling, steady state operation prediction 2−27514
fire protection measures in power cable distribution networks *(Czech)* 2−7528
fires, influence of new materials 2−7550
fittings, types and development trends in Czechoslovakia *(Czech)* 2−7564
halogen-free fire resistant properties and requirements *(German)* 2−27505
heat- and radiation-resistant, with mineral insulation for utilisation in nuclear power installations 2−27516
HV, cooling by heat-dissipation using heat pipes 2−27497
HV, SF_6 insulated *(German)* 2−27503
HV cabling for power distrib. in large spacecraft 2−3569
HV DC cable accessories, nonlinear anal. of elec. field distrib. using finite element method *(Japanese)* 2−17724
HV underground power cables within trough in tunnel, indirect water cooling system *(Japanese)* 2−17732
HVDC, submarine, Japanese (Hokkaido-Honshu) linkage 2−27509
insulation, ethylene propylene, use by European cablemakers 2−7547
insulation, polyvinyl chloride, cross-linking, advantages 2−7546
Kobe New Transit system in Japan, installation *(Japanese)* 2−12982
LV networks procedures for live working in Hungary *(Hungarian)* 2−27492
materials and accessory production, current trends *(Polish)* 2−3756
MV, testing and jacket defects location *(German)* 2−27502
MV polyethylene and crosslinked polyethylene cables defects survey by German electricity supply industry *(German)* 2−27507
NONCHLOTHENE insulated wire and cables chemical, electrical and thermal charact. *(Japanese)* 2−17739
nuclear power plant power cables insulation flame proofing and increased resistance to radiation 2−27498
offset microcomputer controlled tester *(Japanese)* 2−16817
oil-filled model cables 2−3753

power cables continued
oil-insulated and separately oil cooled for capacity improvement 2−27499
optical transmission alongside power cable, test results *(Norwegian)* 2−26500
pipe type power cables, eddy current losses, integral eqn. calc. 2−17737
pipe-type cables with cathodic protection, earthing devices to cope with fault currents 2−12249
polyethylene insulated, statistical reliability testing *(Czech)* 2−3751
proximity to telephone lines, interference problem 2−21452
recent developments in electric cables for use in mines 2−27495
replacement of lead cable-sheaths by aluminium screens *(French)* 2−22919
samica insulated special purpose cables 2−27508
shipboard power line transients, US Navy long-term monitoring findings 2−22930
short-circuit temp. meas. 2−22424
submarine, self-contained, oil-filled, hydraulic design 2−7548
superconducting, development in USSR *(German)* 2−12259
surface cooling for difficult cable routes 2−27500
telephone interference, induction noise in subscriber services 2−21451
terminations for North Sea oil platforms 2−22920
three-core power cables, elec. stress anal. rel. to insulation dimensioning 2−22890
three-phase cables, losses in iron sheathing *(German)* 2−7545
touch and step pot. calc. of faulted URD cables, computer program results in handbook form 2−27493
touch and step pot. calc. of faulted URD cables, computer program 2−27494
tough high temperature transportation cable, abrasion resistance test methods 2−12255
transmission cable development, test laboratories at Kumagaya Works of Dainichi-Nippon Cables Ltd., in Japan *(Japanese)* 2−12248
transmission equipment radiographic examination 2−17741
transmission power loss reduction techniques 2−27511
tunnel air cooling design for underground power cables *(Japanese)* 2−17728
underground, cooling technology *(Japanese)* 2−17727
underground, direct water-cooling system *(Japanese)* 2−17733
underground, forced cooling system, review *(Japanese)* 2−17726
underground, indirect cooling method using heat pipes *(Japanese)* 2−17723
underground, indirect pipe water cooling system *(Japanese)* 2−17730
underground, insulation, comparison of XLPE and EPR 2−20461
underground Al cables, LV and MV, compression jointing methods and problems *(Spanish)* 2−22928
underground power cables, backfill materials soil treatment, heat and moisture flow analyses and field tests 2−22929
underground power transmission lines, indirect pipe water cooling system *(Japanese)* 2−17729
underground power transmission systems, appl. of heat pipe to cooling *(Japanese)* 2−17736
underground power transmission with conductor-cooled cables *(Japanese)* 2−17734
unsymmetric offset cable study *(Japanese)* 2−17725
up to 30 kV, tunnels and channels standardisation *(Polish)* 2−22946
voltage drop calculations for electrically short insulated conductors 2−17690
wrapped insulation impregnated with liquid N_2, influence of overvoltage on partial discharges 2−15040
XLPE, 275 kV, development of cable and accessories 2−27496
XLPE cable insulations, mineral filled, voltage endurance in wet and hot environment 2−15077

power control
see also load regulation
AC power flow control with a multiterminal DC system 2−12226
APT-P traction power electronic control, design and operation 2−13026
betatron electron energy control and stabilisation system 2−27010
betatron energy control system, D/A convertor design 2−11690
chopper-controlled trolley bus, control system outline 2−4427
commutation of industrial line voltage, contactless, using logic-signal-controlled power switches 2−5099
commuter service train, chopper control equipment, flon-evaporative cooling 2−4428
continuous power controller output stage operation *(Spanish)* 2−24400
coupling between a photovoltaic panel and the power grid with battery storage 2−3682
current control modulator charact. 2−17080
DC chopper regulator construction, functions and operation for railway electric drives *(German)* 2−23368
DC graphitisation furnace, automatic control system *(Russian)* 2−28236
DC MOSFET power supply charact. 2−5092
disco light sequencer, Lumitron-4 multi-function lighting-display control system 2−5106
distribution system integrated voltage and reactive power control 2−27479
doublesided cycloconvertor charact. 2−18331
electric grids of energetic systems, centralised control of voltage and reactive power *(Russian)* 2−3698
electronic power control device with induction motors 2−23399
electronic reactive power compensator 2−27416
energy management using microprocessor-based data loggers 2−26793
glass furnace, thyristor control of power 2−18830
Gorzow power station automatic control of frequency and active power using electrohydraulic controls *(Polish)* 2−22814
high frequency welding 2−28279
induction motors power controller for energy savings 2−18222
motor-car trains of type line 270, electronic equipment for control and regulation *(German)* 2−23686
multikilowatt polyphase AC/DC convertor charact. 2−14268
new static VAR control using force commutated inverters/ 2−4283
phase angle control for mains-powered inductive loads, opto-coupled cct. design 2−7958
photovoltaic cells, optimal power generation, microprocessor control *(French)* 2−1799
power generation control by shifting eigenvalues of a closed loop system 2−27382
power interconnection duty control by frequency and active power *(Russian)* 2−22808
power system reactive power control systems, problems, modelling and simulation techniques 2−27398
proportional zero-voltage switching system, ICs, 555 timer 2−706

power control continued
rapid transit systems, optimisation of chopper equipment for minimising energy consumption 2−13022
Republic Steel Corp. No.5 steel conditioning facility, design and installation 2−4490
satellite power management 2−18526
satellite power systems, series vs. shunt regulators for power control 2−17513
steel industry, fast static Var control equipment development 2−18800
submerged arc furnaces, electrode-to-bath resistance method 2−11562
thermomechanical pulping control 2−18827
three-phase zero-voltage switching, new digital control schemes 2−28075
thyristor motors appl. in steel production 2−8107
variable reluctance motor, pulsed power supply control, power convertor 2−23278
vertical power MOSFET for high-speed power control 2−5093
voltage and current harmonics reduction, triac AC shunt resistance 2−18330

power conversion
see also direct energy conversion
alternating-voltage continuous amplitude control, inductive switching circuit, anal. of power conversion processes 2−23373
high frequency harmonic generation associated with AC/DC conversion schemes *(Portuguese)* 2−27459
switched-mode power conversion, introduction 2−18338

power convertors
see also cycloconvertors
150 W DC to DC convertor for car stereo equipment 2−5085
AC drives, adjustable speed, technology status review 2−28147
AC/DC system disturbances computation, derivation of power frequency variables from convertor transient response 2−12224
acoustic noise source identification by FFT anal. 2−12704
air-gap-inductors design optimisation 2−18327
alternating-voltage continuous amplitude control, inductive switching circuit, anal. of power conversion processes 2−23373
armature current form factor in convertor-fed DC drives *(German)* 2−8026
asynchronous machine, static convertor-fed, current regulation, soln. 2−4121
bridge circuits using transistors *(German)* 2−686
controlled transformer-thyristor AC voltage converters *(Russian)* 2−18317
current source convertor for sonar power supply 2−18364
current source invertor-fed self-controlled asynchronous machine, fault simulation 2−12715
DC pulse-width convertors, transfer functions, voltage regulation *(Russian)* 2−18320
DC to DC convertors, single-winng const. on-time and const. off-time, discontinuous mode operation, reactor design 2−28025
DC-DC convertor, selection criteria for power transistors *(French)* 2−5110
DC-DC convertors, switching techniques, range of 1 W-1 kW, system power supply appls. 2−7927
DC/DC convertor 2−13942
dedicated-microprocessor scheme for thyristor phase control/ of multiphase convertors/ 2−4288
development of single-channel control systems for valve converters *(Russian)* 2−12708
diagnostics for thyristor equipment in electric locomotives *(Russian)* 2−28011
drive thyristor and convertor equipment equivalent current formulae *(Polish)* 2−18632
electromechanical convertor testing using programmable load *(French)* 2−23370
electronic, numerical method for determ. of harmonics of line current/voltage waveforms of supply mains 2−18354
electronic power supply units for rail vehicles, development tests *(German)* 2−4276
electronic-motor convertor aggregates operation computer simulation *(French)* 2−27901
fast AC/DC converter *(Russian)* 2−18328
fault current control in power conditioning units using power transistors 2−12714
flash lamp power supply miniature convertor 2−715
flyback convertors for multi-output switched-mode power supply units 2−7928
HV power supply modules with const. output power over wide range, flyback convertor techniques 2−7929
HVDC power convertor with twelve pulses and equidistant firing system, simulation model 2−27465
HVDC transmission convertor stations, valve design and testing, effects of EM interference, suppression 2−12726
induction motors, convertor-fed, control and tuning by microprocessors *(Flemish)* 2−23286
inductor-convertor bridge cct. anal. using discontinuous functions 2−18356
Industry Applications Society meeting, conf., Philadelphia, PA, USA (Oct. 1981) 2−13164
network supplying value convertors with phase shifters, voltage non-sinusoidality factor determ. *(Russian)* 2−12237
operations of a three-phase transformer in pulse converters *(Russian)* 2−4279
optimal power converter design, modelling 2−18368
optoelectronic isolating links applications in power electronic systems 2−28066
phase-commutated convertors for slip-power control in induction drives 2−18653
power electronics, book 2−18857
power electronics, present status and future *(Japanese)* 2−4293
power electronics development *(Slovenian)* 2−28006
power systems current source DC link convertor phase effects anal. 2−27464
precision high voltage scaling DC convertor, stable voltage divider design *(Russian)* 2−19545
pulse power conditioning systems, critical components, review 2−18347
pulse power conditioning systems for coupling power sources to pulse power loads 2−18346
PWM subharmonic method 2−18332
regulated DC-DC voltage source convertor using high freq. link 2−18367
semiconductor power modules, CKD Semiconductors product *(Czech)* 2−18323

power convertors continued
series dynamos, recuperation braking with impulse convertors *(Czech)* 2−28005
small power photovoltaic systems, pilot power conditioning installation 2−18520
squaring convertor, increase in accuracy *(German)* 2−7922
stability analysis, comparison of methods 2−23351
static, steady-state anal. 2−18355
static, synthesis of optimum gain functions 2−18362
static convertor driven by microprocessor, optimisation of photovoltaic solar pump 2−23378
static convertor-motor systems, analogue simulation *(French)* 2−7911
static Scherbius drive system for 6700 kW motor used for NO_x reduction in sintering plant 2−23666
static single-phase to three-phase convertors, steady-state anal. 2−18366
submersible AC pump-motor aggregates coupled to photovoltaic array via DC-AC convertor, efficiency improvements 2−18521
switched-mode power conversion, topologies, magnetics and control, tutorial review 2−12721
switching convertor, high power, operated in voltage controlled current mode 2−18337
switching DC-DC convertors modelling, current injected equivalent circuit approach 2−23365
switching power convertors, book 2−18890
synchronous machine for large-horsepower, adjustable drive systems, power transmissions 2−18216
telecommunication system of Cahora Bassa-Apollo scheme, control and protection functions 2−3740
three-phase short circuits, phase control limits *(Slovak)* 2−18324
thyristor convertors, equivalent circuits, computer analysis *(Russian)* 2−18318
thyristor convertors for DC drives, ASEA's new generation 2−27991
thyristor pulse convertor, for resistor braking of electric train *(Russian)* 2−18678
thyristor PWM power convertor in intermediate current conditions, stability of closed-loop system *(Russian)* 2−23354
thyristor-based and transistor-based, comparison *(Croatian)* 2−28014
thyristor-fed reversible DC drives, active and reactive energy balancing methods *(Polish)* 2−12972
transistor convertors for synchronous motor control *(Norwegian)* 2−7932
valve convertor for automatic control, sampled data model 2−28015
variable reluctance motor, pulsed power supply control, power convertor 2−23278
variable speed electric drives using electronic switching control 2−18641

power distribution networks *see distribution networks*

power factor
see also reactive power
13.2 kV overhead transmission lines, effects of series capacitors installation on power factor and consumer voltage/power transmitted *(Spanish)* 2−22932
asynchronous motor, load factor defined according to stator current 2−12646
cycloconvertors, 3-phase, triple-frequency, commutated at zero crossing piont of load current, characts. 2−7917
electrical fuse testing, total arcing energy maximisation 2−14357
induction drives, phase-commutated convertors for slip-power control 2−18653
invertor driven cage-rotor induction motor performance anal. 2−4189
line-commutated invertor for residential photovoltaic power systems anal. and test 2−23521
permanent magnet polyphase AC motors, methods of testing 2−18177
power factor controlled by single-chip computer/ *(German)* 2−4114
power factor standard using digital waveform generation 2−12320
squirrel cage induction motors, performance versus efficiency 2−12645
squirrel cage induction motors 2−18250
synchronous motors, 300 kW, for compressor drives, static excitation system with automatic control of power factor *(Rumanian)* 2−23268
thyristor driven electric motor, energy characts. *(Russian)* 2−23364
thyristor inverter for medium frequency induction heating 2−18369
thyristor Leonard DC motor, improvement method 2−4225

power factor correction
distribution networks, cost effectiveness *(Russian)* 2−7538
distribution system, power factor correction step by step 2−22902
electric arc furnaces, voltage stabilisation, steelmaking process appls. 2−13079
induction motor, power factor controller for reduction of wasted energy 2−27932
metallised polypropylene capacitors, characts. and appls. 2−5379
overvoltages and overcurrents due to power factor correction capacitors when natural frequency equals mains supply harmonic, calc. method *(Italian)* 2−7481
power capacitors and machine tools 2−27931
power factor controller, definition and appl. 2−28077
series capacitor compensation, torsion dynamic stabilizer verification tests at the San Juan station 2−22823
static compensators for transmission systems 2−12230
thyristor reactive power compensator, for fast-varying industrial loads 2−28023

power factor measurement
AC switch rupturing capacity test phase meter *(Polish)* 2−18387

power factor meters *see power factor measurement*

power factor Q *see Q-factor*

power generation, electric *see electric power generation*

power generators, electric *see electric generators*

power inductors
air-gap-inductors design optimisation 2−18327
induction heating in metallurgical industries *(French)* 2−23755
inductor-convertor bridge cct. anal. using discontinuous functions 2−18356
transverse flux inductor for Al/Cu strips heating *(French)* 2−23756

power lines *see power cables*

power measurement
see also wattmeters
AC power and energy standard, for Australia 2−22963
active power meas. by E 535 W-M3 recorder equipped with Hall multiplier *(Rumanian)* 2−17083
active/reactive meter calibration, using quadrature-current reference, current-comparator-based 2−12321
calorimeter, heat sink, wire spun Al sphere, laser energy meas. 2−10323

power measurement continued
consumption metering, inductive energy meter, current with nonsinusoidal waveform *(Russian)* 2−7586
current control modulator charact. 2−17080
definitions of power, for currents and voltages with harmonics *(German)* 2−26931
energy conservation test facility, data acquisition system 2−22200
energy management using electronic power transducers 2−7588
indirect, measurement errors evaluation, linear programming approach 2−16756
laser ps pulsed light energy meas. using bulk-absorpt. laser calorimeter *(Chinese)* 2−17078
laser pulse energy meas. using bulk absorpt. laser calorimeter with semicond. thermopiles *(Chinese)* 2−17077
maximum-demand meters setting-up, appl., accuracy, and testing *(Croatian)* 2−27371
monitoring equipment for energy saving *(German)* 2−17079
optical power meters, high stability and sensitivity *(Japanese)* 2−11483
partial discharges power measurement *(Czech)* 2−25369
photodiode power monitor for high-power gas lasers 2−6247
power system observability, telemeasurement network reliability, evaluation *(Japanese)* 2−17784
pulsed laser radiation energy meter *(Russian)* 2−20931
pulsed radiation, energy measurement using homogeneous thermoelastic transducer *(Russian)* 2−22275
radiometer for laser beam power meas., charact. and performance, temp. radial gradient meas. *(Rumanian)* 2−11496
rapid start fluorescent lamps and other multi-port loads, power meas. method 2−4458
SHF power and noise spectral power density standards comparison, using bolometric transducers 2−6983
six-port reflectometer, characterisation by calibration procedures 2−26947
superconducting cable, alternating field losses determ., device *(German)* 2−7587
thermal energy released by power station, precision norms and techniques 2−17082
three phase power meas., accuracy 2−3807
uniform measuring base for power and energy at 50 Hz 2−17081
utilisation at consumers terminals for better system load control *(Croatian)* 2−7584
watthour meter, digital, circuit diagram and operation *(German)* 2−26871

power overhead lines
see also overhead line conductors; power cables; power transmission
6-10 kV rural overhead line conductor galloping prevention *(Russian)* 2−7559
10 kV-20 kV technical charact. and application possibilities of concrete columns *(Slovenian)* 2−3776
13.2 kV overhead transmission lines, effects of series capacitors installation on power factor and consumer voltage/power transmitted *(Spanish)* 2−22932
20 kV network breakdowns in Hungary caused by longitudinal conductor vibrations *(Hungarian)* 2−22912
20 kV overhead power lines, dynamic stresses when throwing off ice loads *(German)* 2−3762
34 kV overhead system with in-line loadbreak switch, cost effectiveness 2−27539
115 kV double circuit river crossing, construction aspects 2−12275
115 kV line and substation to bring firm power to Holyoke 2−22940
220 kV transposed transmission overhead line, sensitivity analysis 2−17750
500 kV, EMC measurements for TV reception 2−27542
500 kV line, river crossing installation aspects 2−3772
750 kV power lines design choice and improvement 2−12202
analysis of rural 6-10 kV overhead line disconnections 2−12273
combined stresses, technical and economic consequences *(Slovak)* 2−3765
communications using composite overhead line earth conductor in which optical cable is encased 2−2779
computer system interference anal. 2−6339
conductor aeolian fatigue damage mitigation by amplitude reduction 2−22937
conductor design *(German)* 2−3764
conductor fatigue due to wind induced vibrations and stresses, current strategies for reduction *(German)* 2−27530
corona performance of power transmission lines, study in environmental chamber, feasibility 2−22942
DC railway lines energy supply performance *(German)* 2−28164
definition of induced potentials and leakage currents around high tension lines 2−12272
discharging via inductive metalcapsuled voltage transformers *(German)* 2−22933
distribution, safety problems and design methods 2−27540
distribution surge arrestors, operating duty due to indirect lightning strikes 2−12314
EHV, long-rod composite insulators *(Polish)* 2−17755
EHV and UHV, elec. fields at ground level with inverted delta config. 2−22934
EHV and UHV multiconductor bundles, aeolian vibration, galloping and wake-induced oscillation 2−17753
EHV bundle conductors, electrostatic field calc. *(French)* 2−3761
EHV lines, current meas. using magnetosensitive elements 2−3805
EHV transmission conductors, sizing and costing trends 2−3769
EHV transmission lines, capacity increase and environmental impact mitigation *(French)* 2−22939
EHV/UHV, AC, with dropped middle phase, wave resistance calc. method 2−27537
electric field effects on humans and animals *(Dutch)* 2−22573
electric traction, contact force measurement between contact wire and contact strip *(German)* 2−28166
fatigue stability of high voltage aerial power lines−research and development within Cigre *(German)* 2−27529
faults caused by galloping, probability of occurrence, calc. 2−12215
HF vibrational charact. of overhead contact wires 2−12270
HV, corona loss reduction *(Rumanian)* 2−27533
HV, route determination, regional planning *(German)* 2−12266
HV, SF_6 insulated *(German)* 2−27503
HV lines, bundle conductor design, corona loss annual coverage value determ. method *(German)* 2−3763
HV overhead lines with insulated earth cables, information transmission *(German)* 2−2659
HVDC, ion flow field calc. by finite element anal. 2−17748

power overhead lines continued
HVDC power transmission lines, environmental and physiological effects 2−12262
HVDC transmission lines, space charge environment generation due to corona discharges and effects 2−12278
installation using prefabricated conductors, field observations and meas. *(Japanese)* 2−12264
intelligent stored-energy devices ensure rapid reconnections 2−18370
LV lime networks, maintenance *(Hungarian)* 2−22941
LV networks procedures for live working in Hungary *(Hungarian)* 2−27492
modal parameters of homogeneous overhead lines above 1000 V, calc. by computer *(Czech)* 2−7557
multiple circuit transmission lines, optimal repair rates 2−12269
MV outdoor isolators in overhead distribution networks *(Polish)* 2−23385
natural capacity improvement using large number of split conductors 2−27536
overload capacity improvements 2−27526
Papendrecht-Arkel high-voltage transmission line *(Dutch)* 2−7560
Paris-South-East line, electrical installations *(German)* 2−12985
permissible current load, influence of climatic conditions on Al-Fe conductors *(Slovak)* 2−17746
power frequency fields, biological effects, literature survey including work in West and USSR 2−12221
quad bunch conductors, partial discharge problems *(German)* 2−12267
railway pantograph overhead contact wires, high frequency vibration study 2−23693
resonant behaviour and detuning of power lines in the MF band 2−26006
RF noise from high-voltage power lines, statistics 2−15729
self supporting aerial cable with light wave conductors for a 220 kV overhead cable line *(German)* 2−21822
simple transposition scheme for three-phase overhead transmission line *(Russian)* 2−12265
solving generalized faults on congested right-of-ways by equivalent multiports 2−17749
state-space modeling of transmission line dynamics via nonlinear optimization 2−22935
telecommunication line interference caused by 110 kV overhead power lines *(Rumanian)* 2−3766
three-phase short circuits, phase control limits *(Slovak)* 2−18324
tornado-induced outage prediction method 2−17677
transmission line CAD, overhead 2−12263
transmission lines air terminations, lightning side stroke influences on efficiency *(Polish)* 2−3773
UHV bundle conductor oscillations tests at Magdalen Islands 2−22936
upgrading critical transmission lines 2−7561
voltage stability of electric transmission lines *(Czech)* 2−17688
washing insulators in the Saudi Arabian desert 2−27564
wire lifting with material handling bucket trucks 2−27538
wooden poles for LV overhead power lines, breakage tests *(German)* 2−17745

power overhead transmission lines *see power overhead lines*

power packs *see power supplies to apparatus*

power plants
see also mobile power plants; solar power; space vehicle power plants; wind power plants
290 MW Huntorf air storage system energy transfer plant experience 2−17941
air pollution control for power plants 2−7705
Alclad-aluminum folded-tube heat exchangers for OTEC power plant 2−7784
American Power Conference, Chicago, IL, USA (April 1980) 2−13153
automatic transfer, new way to switch spinning motors 2−27675
baseline phosphoric acid fuel cell power plant studies, EPRI, USA 2−12570
bifuel thermal power plants, mathematical programming model 2−19250
brass condensers, experimental anal. of corrosion inhibition *(Czech)* 2−3811
ceramic wear liners in abrasive western coal handling systems reducing downtime and maintenance 2−3813
coal fly ash disposal environmental impact assessment 2−12424
coal gasifier coupling to combined-cycle power plant 2−12409
coal handling sytems 2−7704
combined cycle plant, coproduction of electric power and methanol from coal 2−23070
combined-cycle power plants, power systems, operational control system, current status *(Japanese)* 2−12417
commercial scale dry scrubbing system for SO_2 control 2−3893
design, planning and construction management for adequate QC maintenance *(German)* 2−27601
design considerations for vehicular fuel cell power plants 2−12571
design of 40-MW grazing and moored OTEC pilot/demonstration plants 2−18073
electric motors in thermal power plants, speed control through static frequency convertors *(Rumanian)* 2−27867
electric systems, thyristor appls. 2−7931
electrical plant design computer aid *(German)* 2−17620
electronic power supply units for rail vehicles, development tests *(German)* 2−4276
environmental noise guide 2−17791
equipment design allowances and margins 2−3817
establishing reliable coal flow in power plants 2−27720
European power plant industry, future trends 2−7589
evaluating freeze conditioning agents for coal/ 2−3829
FL-85 organic Rankine cycle waste heat recovery system charact. and operation *(Japanese)* 2−27662
flammable liquid spills in power plants, cable fire risk conditions 2−23971
flue gas desulphurisation by the Walther process 2−3890
flue gas desulphurisation systems, technical and economic evaluation factors 2−23078
fossil-fuel power plant monitoring programmes and systems 2−18024
fuel cell cogeneration appls. by electric utilities, technical and economic feasibility 2−7496
fuel cell cogeneration using methane-rich gas from anaerobic digestion of raw sewage, design, application and cost 2−12838
gasified coal storage for changing load conditions *(Polish)* 2−23144
gasturbine engine computer model validation, fuel control system designers approach 2−23148
generation trends in developing world and European manufacturers 2−7700

power plants continued
heat and power generating plant using biomass, development in Great Britain 2—7702
identification, nonlinear state-affine methods, appls. 2—7592
installation of power generating units rated over 250 kV.A *(Polish)* 2—18937
intakes, icing problems and solutions 2—3892
ISKRA-NAS 6200, synchronising device for small power plants *(Slovenian)* 2—12608
LNG cryogenic power generating plant development outline and progress *(Japanese)* 2—27842
LV electric plants neutral earthing system selection for personnel protection *(Portuguese)* 2—22951
main charact. and suppliers 2—7591
maintenance scheduling problem formulations 2—17792
mathematical capital programming model for electric energy 2—17675
MHD/steam power plants, real-time simulation by digital parallel processors 2—23140
municipal heat and power plant and the problem of emission *(German)* 2—27670
operating personnel aptitude testing and results evaluation *(Slovak)* 2—23926
optimal selection of major equipment in dual purpose plants by simulation of operating conditions 2—3809
optimizing severe service thermowell design 2—3814
optimum reliability and cost considerations 2—23925
optimum scheduling, simplex algorithm appl. *(German)* 2—7517
organic Rankine cycle power plants for waste heat utilisation *(German)* 2—27671
particulate control equipment design standards 2—3894
performance meas., online instrumentation development 2—17786
pilot biogas plant using agricultural waste, France *(French)* 2—18835
pivoted pad journal bearings for rotating machinery 2—27676
planning and programming, fuel price increase effects *(Croatian)* 2—23073
private generating plants with synchronous generators/ 2—3670
projected costs for electricity and products from OTEC facilities and plantships 2—18074
regulations affecting coal costs and availability 2—22997
reliability analysis techniques in power plant design 2—3820
reliability determ. using digital simulation methods *(Slovak)* 2—3810
safety, reliable dampers 2—27673
sewage treatment plant using generated CH_4 gas for electricity supply generation 2—28311
slurry pumps for long life and minimum maintenance 2—27677
steam, burning refuse for power generation 2—27680
steam pulverised oil burning heat output and efficiency *(Rumanian)* 2—23086
thermal, low-power, using refuse-derived fuel 2—12423
thermal, utilization of waste hot water for distillation 2—23065
treatment of sewage plant effluent for use as makeup water 2—3812
utility waste disposal, potential impact on environment 2—27674
waste heat recovery from incinerator burning low heating value off-gas *(Japanese)* 2—27690
yard mapping using computer graphics 2—27598

power station computer control
360 MW coal-fired units, direct digital control system 2—3918
500 MW, coal-fired, automation and control equipment for the Meirama power plant in Spain 2—7713
630 MW thermal power station automatic control *(German)* 2—27659
automation limits evaluation and selection *(German)* 2—27592
automation of existing hydroelectric power stations within the framework of their modernisation *(French)* 2—23160
BWR nuclear power plant load following operation, reactor power regulator, microcomputer system 2—17852
combined cycle plant automation 2—7747
combined-cycle power plants, power systems, operational control system, current status *(Japanese)* 2—12417
Conf., Pretoria, South Africa (Sept. 1980) 2—22786
consideration of heat accumulation in steam lines on optimization of computer control for power unit start-up 2—12475
CRT display variables and formats study for BWR power plant start-up operation 2—23041
energy control centre improving generation economics 2—7729
fault tolerant techniques for power plant computers 2—23015
gas turbine, automation, for increased operational safety and plant availability 2—27761
hydroelectric power stations, process computer control 2—3964
hydroelectric power systems, centralised computer supervision and control 2—12531
KANUPP, reactor protection and control systems 2—7629
Karachi nuclear power plant, control and instrumentation technology 2—7628
managing power generation maintenance cost effectively by computer 2—17644
microcomputer based power transformer voltage control scheme 2—4271
microcomputer controlled steam raising operations *(Russian)* 2—27710
microprocessors in electric power systems, present status and applications 2—27399
model DCN-70 plant controller for Shin-Takasegawa, pumped-storage power station *(Japanese)* 2—7772
nuclear, data acquisition/control systems integration, DACOADA system 2—23032
nuclear control room man-machine interface advancement 2—17877
nuclear plant control room organisation-telecontrol and man-machine-process interfaces *(French)* 2—23026
nuclear power plant man-machine interface design features and developments 2—17880
power house computer control, cost effectiveness in energy management 2—7471
small-scale, overall planning problems 2—23150
solar central tower test facility 2—12558
solar power IOMWE pilot plant, master control system, concept and implementation 2—7789
steam power station, 200 MW, coal fired, bus-oriented process control system application *(German)* 2—27708
supervisory control of raw water supplies for ESCOM's power stations in the Eastern Transvaal 2—3939
thermal power units with automatic control systems, organisation 2—17931

power station computer control continued
wind turbine generator, developments and appl. *(Japanese)* 2—3999
windmills for electrical power production, microcomputer based control *(Danish)* 2—23229

power station control
see also power station computer control
Abnormal Transient Operating Guidelines programme for nuclear power station operators 2—17878
adaptive nonlinear compensators for power plant control 2—3937
automating hydro powerplants 2—18052
coal gasification combined-cycle power plant dynamic response and control strategy 2—18041
coal-fired power stations, firing control by static frequency convertors 2—7715
control policies for wind energy conversion systems/ 2—3996
Cromby electric generating plant model, model reference control appl. 2—12492
diagnostics and improvements in the reliability of systems of group control of active power of hydroelectric stations *(Russian)* 2—23163
digital control methods for power station plants based on identified process models 2—3935
disturbance anal. systems for nuclear plant safety 2—23036
EHV/MV plant at Matla and Duvha power stations, meas. and control design concepts 2—3938
Eurelios solar power plant, analysis and control *(Italian)* 2—18066
fluidised bed combustion to satisfy environmental requirements 2—7739
fossil fueled generating plants, model algorithmic control 2—12491
generic coal fired power plant, mathematical model for control system performance analysis 2—12494
hydroelectric power station groups, centralised control system, GRAM *(Russian)* 2—27787
hydroelectric power station isolated operation anal. by frequency measurements and simulation studies *(German)* 2—27801
industrial steam power station, superior cond. system *(German)* 2—12451
large power stations, dynamic charact. and control during fast power changes 2—3940
lignite-burning power plant control systems and instrumentation 2—12473
magnetohydrodynamic steam power plant, simulation of dynamics 2—12495
multivariable control system design, appl. in electric power generating plants 2—12425
nuclear reaction, optimal control using functional analysis 2—3861
open cycle MHD plant control aspects 2—7795
peak load power stations, control method for turbine with two heat extractions for heat consumers 2—17986
process control software, reliable software, development and validation methodology 2—12376
solar central receiver system repowering of gas- and oil-fired power plants 2—23211
steam power station instrumentation and control system 2—7730
steam power stations for combined heat/electricity generation, bilinear control systems mathematical models of stability 2—23108
steampower plant, control system synthesis, set theoretic control approach 2—18005
system islanding detectors, appl. of sequence controllers for steam power stations *(Japanese)* 2—7726
system operation optimisation 2—12158
thermal, unit control panels of a new type 2—12421
thermal power plant boiler adaptive multivariable control 2—3936
thermal power plant using seawater for condenser cooling, automatic control, anal. 2—17982
turbine overspeed protection control using variable structure servomechanism 2—12493
wastewater treatment, programmable controller appls. 2—17969
wind power plant electric control principles and system for feeding into distribution network *(German)* 2—27841

power station load
300 MW units operation under overload conditions, investigation 2—12482
800 MW gas-oil monoblocks, load range adjustment 2—12481
actualising consumption characteristics of electric power production units *(Czech)* 2—17924
calculations of operating conditions and of operational energy factors of heat producing plants of single circuit nuclear power stations 2—12361
conversion of drum boilers to hot reserve in electric power stations with cross connections 2—12477
demand curve, joint operation of steam and gas turbine plant to cover variable portion, advantages 2—23113
industrial power plants, optimal load distribution *(German)* 2—7731

power stations
see also energy resources; gas turbine power stations; geothermal power stations; hydroelectric power stations; nuclear power stations; power plants; solar power stations; steam power stations; substations; tidal power stations
10 MW power station, Dutch activities in the OTEC field *(Dutch)* 2—23198
50 incinerator power station Pinellas County in Florida/USA, waste utilisation conditions and plant technical charact. *(German)* 2—12410
630 MW, dual coal/oil fired, boiler plant design construction and operation *(German)* 2—27656
720MW coal-fired power station flue gas sulphur removing plant operating experience *(German)* 2—27657
anthropometric data base for power plant design 2—17862
aquatic organisms, power station cooling system entrainment and impingement effects, bibliography 2—3818
automatic control of frequency and active power using electrohydraulic controls *(Polish)* 2—22814
bifuel thermal power plants, mathematical programming model 2—19250
brown coal for power station fuelling, effect of quality variations *(German)* 2—3889
carbonate fuel cell power plant systems 2—18457
coal-fired, desulphurisation system state-of-the-art for flue-gas caused environmental pollution prevention *(Japanese)* 2—17928
combined cycle, measures for greater efficiency, importance in future energy production systems *(German)* 2—27658
combined heat and power generation for district heating, primary energy saving, new calc. method *(German)* 2—12415
combined heat/power generation, computer anal. of additional energy demand *(German)* 2—27655

power stations continued
combined heat/power generation using internal combustion engines *(German)* 2−27666
control behaviour of electrical power stations and loads operating in interconnection 2−17661
design, planning and construction management for adequate QC maintenance *(German)* 2−27601
development of steam generator components for open-cycle MHD 2−18128
electrical energy production management, East Germany *(German)* 2−3671
electrical power in Comecon states, development survey in 1990 2−22785
emissions by electric utilities in eastern USA, inventory 2−3895
equipment, main charact. and suppliers 2−7591
flue gas causing atmospheric pollution, W.German regulations *(German)* 2−23067
flyash plugging minimisation, hopper heating systems 2−17929
fuseless powerstation installations from the view of the user *(German)* 2−12412
ground potential rise, RMS symmetrical, calc. methods for protecting telecommunication ccts. 2−17762
heat pumps appl. to cooling *(French)* 2−7708
instrument air systems availability 2−7706
integrated power supply systems, systems combination for design *(German)* 2−12411
large capacity, design and manufacturing techniques, reliability testing, for use in thermal and nuclear power stations 2−27973
main generating equipment functioning, reliability estimation by mathematical models *(Russian)* 2−17790
mathematical-statistical representation of the start-up reliability and start-up costs of conventional power station plant. *(German)* 2−22968
new solid-state protection system for power station auxiliaries 2−7575
noise sources, acoustical characteristics 2−7593
one-day outage effects on energy economics *(Czech)* 2−27366
operation and production influenced by coal quality *(Czech)* 2−27667
operational experience over one year's duration *(German)* 2−27660
optimal planning, three stage model *(German)* 2−27602
outage data systems, ensuring accurate equipment identification 2−17639
peak-power using RD-3M aircraft engines *(Slovak)* 2−27668
plant preservation methods according to VGB guidelines, in Germany *(German)* 2−17787
power plant system model and realisation by electronic digital computer *(Russian)* 2−17789
sequence of events recording systems/ 2−3806
simulator for training operators, Soviet Union 2−12322
sixty years of the GOELRO (State Commission for the Electrification of Russia) plan 2−27334
temperature measurement techniques certification 2−17157
thermal and electric power generation, optimum operation *(Rumanian)* 2−27669
thermal energy released meas., precision norms and techniques 2−17082
Wankie Power Station, Zimbabwe, details of construction Stage one 2−27661
waste heat gas conditions estimation 2−7707
water-system needs matched to hydraulic transient anal. for waterhammer reduction 2−22970
H_3PO_4 4.5 MW fuel cell power plant urban demonstration 2−18458
SF_6-gas generator breakers for use in large capacity power stations 2−28055

power supplies to apparatus
see also cells (electric); constant current sources; power plants; power supply circuits; prosthetic power supplies
2 kW peak miniature switching-office invertor 2−28033
AC low-power stabiliser 2−5100
aluminium-electrolytic condensers for switch mode power supply *(German)* 2−5081
arc welding, fast response 300 A DC transistor current regulator 2−18816
ATE, terminal switching automation, programmable relay array 2−26726
battery operated hydraulic pump-motor assembly 2−4429
Benchmate, utility AF amplifier and variable regulated power supply for test bench appls. 2−7153
bottom electrode boosted elec. furnace, for glass melting, electrical sizing of power supply 2−18831
car battery operated power supply, using 7805 voltage regulator IC 2−19530
cascade power source for electron-beam apparatus for precision welding 2−28276
charger for a 1.2-MJ capacitive energy store 2−18623
colour TV receivers power supply unit for 90 to 264 V input *(Italian)* 2−19529
computer power supplies, selection 2−12706
computer power supply provides +5 V at 3 A, +12 V at 1 A and −12 V at 100 mA 2−7916
computer room air conditioning and power supply 2−8096
computer systems, power loss, correction and protection 2−13933
computer systems, uninterruptible power supplies 2−27998
contactless meas. system, selection *(Russian)* 2−13956
continuous power controller output stage operation *(Spanish)* 2−24400
current drivers for magnetic loads, parameters improvement 2−5098
DC MOSFET, charcts. 2−5092
DC power supplies for electrolytic processes, reducing losses 2−18349
DC power supplies for microprocessors, typical ccts. *(Spanish)* 2−8983
DC regulator for magnetic meas. equipment 2−24399
DC-DC convertors, switching techniques, range of 1 W-1 kW, system power supply appls. 2−7927
ESS, power units and power distribution in the BYB construction practice 2−8967
FET modular, 200 kHz, charcts. 2−5090
flyback convertors for multi-output switched-mode power supply units 2−7928
foundry, increasing quality of power supplies *(German)* 2−13104
Heathkit H-13 mobile power supply, forced-air cooling 2−26388
HF, magnetic components European standards 2−5091
high current power feed equipment, DC/DC convertor, 140 MHz submarine cable system appl. *(Japanese)* 2−21720
high power DC circuits with T-network smoothing filter scheme *(Russian)* 2−4282
HV, charcts. *(German)* 2−5082

power supplies to apparatus continued
HV power supply modules with const. output power over wide range, flyback convertor techniques 2−7929
Industry Applications Society meeting, conf., Philadelphia, PA, USA (Oct. 1981) 2−13164
instrument power supplies, review of equipment for specific appl. 2−13957
laboratory PSU, 0-30 V 1.2 A precision source of 20 mA-1.2 A constant-current generator appls. 2−7154
laser feedback controlled current stabilised power supply for CO_2 waveguide laser *(Chinese)* 2−6243
lightwave cable systems, utility furnished and alternative power sources, comparison 2−16482
mains interference simulation 2−24404
measurement techniques using common test equipment 2−7585
microcomputer power supply automatic testing with low cost systems 2−23352
minicomputer and numerical control systems 2−13932
monitoring over- and under voltages *(German)* 2−22957
multiplexer supply from single voltage source, BiFET and CMOS technologies comparison *(German)* 2−21682
OEM power supplies, higher efficiency, lower cost, developments review 2−28016
office computer emergency back-up energy supplies, market developments *(Swedish)* 2−27442
parallel power supplies, techniques and problems 2−18336
photomultiplier, stabilised HV supply 2−704
power electronics, present status and future *(Japanese)* 2−4293
power electronics and energy saving technology *(Japanese)* 2−716
power electronics and new energy technology *(Japanese)* 2−717
programmable power sources 2−12711
proton storage ring appl. as ultrahigh-power pulsed microwave source 2−3314
PWM switching power supply, for spectral analyser portable Tektronix 492 2−13970
radio station, equipment *(German)* 2−16363
reception and distribution of power supply facilities *(Japanese)* 2−23366
rectifier-fed DC machine operating characteristics *(German)* 2−18260
reference information 2−7521
remotely controlled power supply for photomultipliers 2−27079
resistance welding 3-phase supply operational advantages 2−23823
Robotron modules 2−13960
satellite communication ground station no break supplies 2−21783
single-phase load supplied by three-phase source with balanced line currents 2−18350
solar cell arrays for land mobile radio transmission sites 2−10988
space-borne instrument power supply, -35 kV 2−7400
Sprague stepping motor drive ICs, range description *(German)* 2−7879
SSB transmission monitor appl. 2−10975
switch design for UV-EPROMs, portable microprocessor-based equipment appl. *(Spanish)* 2−5109
switch-mode power supplies, noise sources, minimization techniques 2−12724
switched mode power supply units 2−13962
switching power supplies, advances, appls. in system rel. to size/weight reductions 2−7924
switching power supplies, interference suppression techniques 2−12725
switching power supplies design 2−8965
switching-mode power supplies using latest MOS-technology *(Swedish)* 2−24388
switching-mode regulators for stabilised power supplies in electronic systems 2−7926
switchmode power supply, 400 watt off-line, cost-effective approach 2−8980
telecommunication equipment, solar energy appl. *(French)* 2−15999
telecommunication equipment in Denmark, test facility for solar cell/battery plants 2−23475
three-phase voltage monitor 2−22962
three-purpose unit of battery charger, DC/AC convertor and mains power supply *(German)* 2−8973
thyristor rectifier for new power supply system for large telecommunication plants 2−18322
thyristor-controlled, for HV apparatus 2−705
TN 2700 carrier telephony system, local and remote power supply equipment *(Polish)* 2−16041
transient torques and stresses due to switchover of induction motor power supplies 2−7857
TV and cinefilming lighting sources *(Russian)* 2−23372
TV repeater transmitters, unconventional power sources 2−6902
uninterruptible power supplies, appls. 2−7519
uninterruptible power supplies for computer installations 2−27440
uninterruptible power supplies for emergency appls. in electronic systems, microcomputer power units- 2−7925
variable lab power supply cct., Blockbuster, 0 to 10 V DC, up to 3 A output, LM323K voltage regulator 2−19532
variable reluctance motor, pulsed power supply control, power convertor 2−23278
vertical power MOSFET for high-speed power control 2−5093
volatile RAM, lithium cells for standby power supply 2−4327
voltage control, GPIB charcts. *(German)* 2−13945
He-Ne laser current-stabilised power supply using rectifier-type const. voltage transformer *(Chinese)* 2−15528
Ni-Cd cell operation, amateur radio appl. 2−6739
Si photovoltaic power system for TV relay station *(Japanese)* 2−23367
Ti sublimation pump, automatic power supply cct. 2−19543

power supply, emergency *see emergency power supply*

power supply circuits
see also constant current sources; power supplies to apparatus
5 V operation indication circuit *(German)* 2−13949
100 kHz universal mains power supply, using single 500 V Hexfet *(French)* 2−719
110 V/220 V dual mains range voltage regulated 12 V supply cct. *(Italian)* 2−19541
AC power, computerised control *(Italian)* 2−5087
AC power supply, dwell-time technique for Josephson ccts. 2−9077
ATM 80 process computer family, control units for power supply modules *(German)* 2−28032
automatic test system for production environment 2−16813
basic power supply circuit design 2−19531

power supply circuits continued
battery charger, using controllable DC voltge, MAA 436 IC *(Czech)* 2−714
battery conservation in dual supply, using relay switch off cct. 2−708
battery operated AC and DC power systems, computer aided draughting, production service improvement 2−13261
bench power supply, using LM317K IC voltage regulator 2−683
bench power supply with automatic content, 2.5 V to 13 V 2−5104
bipolar variable current source using power MOSFET *(German)* 2−13946
calibrated DC power supply for linear IC *(Polish)* 2−13964
charging and triggering circuit for dye Q-switched lasers *(Chinese)* 2−13934
CMOS bandgap voltage reference sources 2−19535
common transistor amplifier and bias supply 2−737
computer modelling of power supply sources for inverter motors *(Russian)* 2−28020
current source convertor for sonar power supply 2−18364
current-driven convertor for power supply 2−8966
DC mains supply power unit using hybrid fixed-voltage regulator of 5 V/20 A *(German)* 2−688
DC regulated supply, using digitally controlled SCRs 2−24398
DC/DC convertor 2−13942
digital system for monitoring power supply voltages 2−24573
electric drives, DC, supplied by parallel connected 3-phase bridges, operational conditions verification 2−28142
electro discharge machining, capacitive discharge power supply system 2−13110
electro-optical system power sources, configs. and tradeoffs 2−710
electrolytic capacitors testing for switching mode power supplies *(Danish)* 2−5380
electronic convertors, numerical method for determ. of harmonics of line current/voltage waveforms of supply mains 2−18354
EPROM voltage generator, using 555 IC timer, IC regulator, Zener diode 2−24389
estimate of control characteristics for the frequency convertor running in self-contained power supply systems *(Russian)* 2−4300
fast inductive load current switch cct. for electromagnetic actuators 2−699
feedback systems, compensation using controlled rectification *(Spanish)* 2−19546
film driver using thin film IC technology, functional laser trimming 2−1053
Geiger counters, high voltage generator cct., using AF amplifier for counting tube *(German)* 2−17246
hand-held VHF/FM transceiver power supply 2−26431
HEXFET power supply, X-ray dose tolerance 2−24393
holdup, in conventional linear supplies and switch mode power supplies 2−13965
HV corona power supply, switching regulation and appls. 2−4284
HV DC supply using op. amp. *(German)* 2−8982
HV FET driver circuits 2−19542
IC AN6510 and 723, applied solid-state and ICs, voltage stabilisation *(Japanese)* 2−5101
IC power supply unit, construction details *(German)* 2−5108
IC voltage regulator, 723, stabilized 60V supply prod. by floating 2−5084
impulse strength measurement, using AC line disturbance analysers 2−19544
injection current switch logic 2−24491
integrated interface ccts., appls. of integrated source ccts. *(French)* 2−13969
Josephson circuits, AC regulation 2−15252
Josephson star driver, fast, compact 2−5197
K155LP7 IC appls. for power output stages *(German)* 2−8981
laboratory manual, book 2−25257
laser HV power supply 2−5097
light current electrical applications, TEC syllabus textbook 2−23918
low-current source, for MIS structures nondestructive testing 2−3249
mains adaptor, supplying 5-15 V DC, 350 mA, using 7805 IC voltage regulator 2−5080
MC3424, dual voltage comparator chip for overvoltage protection and line loss detection 2−19536
microcomputer RAM maintenance cct., using Ni-Cd cell *(French)* 2−13947
microprocessors, DC power supplies, regulation and protection 2−19548
miniature converter for a flash lamp power supply 2−715
modulators, type ML-7 and ML-8 in high freq. lamps, power supply circuit *(Russian)* 2−707
MOSFET switching power supply design 2−13939
MOSFETS, appl. to power sources *(German)* 2−19533
multipurpose experimental power supply 2−19539
NE5520 signal conditioning circuit for interfacing linear variable differential transformers 2−11423
negative voltage convertor, ICL 7660 2−13938
operational amplifier appl. *(German)* 2−13967
optimal power converter design, modelling 2−18368
parasitic, harmonic voltages monitoring, PMG-13 level meter appl. *(German)* 2−7127
PNP-Harper cell memory, compensated switchable read-write reference voltage generator 2−24533
power electronics, present status and future *(Japanese)* 2−4293
power electronics and energy saving technology *(Japanese)* 2−716
power electronics and new energy technology *(Japanese)* 2−717
power-on detector for switching regulator/ 2−694
programmable V/I source for IC testing 2−697
programmable V/I stimulus and measurement module using FET switches 2−698
PS80 mains power supply unit for RX80 Mk.2, HF receiver 2−2911
pulse width modulators, control appls. 2−13943
pulsed secondary-source supply with intermediate inductive store, Cct. 2−4295
PWM discrete stabilised power supply in elec. motor car, dynamic behaviour anal. *(Russian)* 2−4430
railway signalling equipment power supply voltage and phase-sequence monitors for change-over *(German)* 2−18685
reference pulse voltage of oscilloscope, shortening rise and fall times *(German)* 2−13948
reference voltage for power supply of LSI chips 2−24396
reference voltage generator with automatic setting 2−700
regulated high voltage power supplies 2−13954
regulated power supply with adjustable dwell for Josephson logic circuits 2−9079
ripple voltage meas. cct. 2−7173
SAB 2022 IC power supply unit using D/A convertor *(German)* 2−692
second breakdown protection of a power supply's pass transistor 2−5734
stabilized DC supply, using L 200 IC voltage regulator *(German)* 2−24392
stacked voltage references for improving power supply's regulation performance 2−685
static bi-pass ccts., used for uninterruptible power supplies *(Spanish)* 2−13958
stepping motor power supply anal. *(Czech)* 2−27951
superconducting magnet, high current, low voltage energiser 2−5971
switched mode power supplies, characts. 2−8972
switched mode power supplies, ferrite materials characts. required 2−24394
switched mode power supplies, RF interference reduction 2−8979
switched mode power supply for Grundig Super-Color TV set *(German)* 2−13950
switched-mode techniques in HV power supply design 2−709
switching convertor, high power, operated in voltage controlled current mode 2−18337
switching power supplies, step up, inverting convertors, characts. *(Italian)* 2−19540
switching power supply ccts., using monolithic control systems 2−8977
switching power unit, step-down version *(Italian)* 2−8970
switching regulator, line-operated, active transient suppressor 2−13952
switching regulator, low power start circuit 2−13951
switching supplies, selection criteria for power transistors *(French)* 2−5110
switching-mode power supplies using latest MOS-technology *(Swedish)* 2−24388
symmetrical voltage source with overload protection *(Polish)* 2−13963
synchronisation at switching power supplies with PLL 2−8969
thermal printhead drive circuit for high speed printing 2−5095
transformerless-input electric power supplies, use of magnetic amps. 2−24402
transistor filter for switching regulator reducing ripple voltage 2−5096
transistor switching regulator starting and monitoring 2−695
U706D IC thyristor drive unit for industrial control equipment *(German)* 2−12722
variable reluctance motor, pulsed power supply control, power convertor 2−23278
vintage radio power supply cct. 2−5105
VMOS constant current power supply 2−713
VMOS technology, appls. 2−25232
voltage regulator trimming technique 2−24390
voltage supply emergency brake circuit including fuse and zener diode 2−689
voltage-halving converter 2−8974
Yaesu transceivers, variable power output modification 2−26392
He-Ne laser current-stabilised power supply using rectifier-type const. voltage transformer *(Chinese)* 2−15528

power supply industry *see electricity supply industry*

power supply systems *see power systems*

power system analysis computing
see also power system computer control
3-phase power networks sequentially developed electrical faults digital simulation 2−27400
10-bus 13-line power system load flow optimisation algorithm, mathematical programming application 2−22781
AC/DC system disturbances computation, derivation of power frequency variables from convertor transient response 2−12224
AC/DC system disturbances computation, interactive coordination of generator and convertor transient models 2−12223
AC/DC system disturbances computation, transient stability assessment 2−12225
acquiring and preparing software for distribution by EPRI 2−27483
active and reactive load loss, matrix formulae *(Russian)* 2−22777
advanced aircraft electrical system simulation programs 2−3568
aircraft electric generating system simulation by Sceptre program 2−3567
aircraft HVDC electrical system modelling program 2−3566
alternating sequential/parallel processing fundamental and examples 2−12147
analysis of electric power brokerage systems 2−27390
aquifer compressed air, energy storage digital simulation 2−12519
aquifer field test for compressed air energy storage 2−12520
Bavarian Electricity Supply Company computerised network supply system *(German)* 2−27354
bus impedance computation, by matrix inversion for large number of nodes *(Croatian)* 2−12211
CAES load regulation 2−12537
coal combine with mutually interacting power systems and damping devices, optimisation using linear dynamic model *(Russian)* 2−17637
coal fired power plant, optimum size selection using computer modelling system 2−7717
combined heat/power generation, computer anal. of additional energy demand *(German)* 2−27655
complex transformation ratios calc., decomposition method *(Russian)* 2−22780
computational techniques for an electrical distribution and information control system 2−27480
connections and dispatching problems, soln. 2−27385
controlled self-compensated transmission line, computerised overvoltage analysis for single-phase switching condition 2−12222
daily load dispatch meas. and records, computer programme for data anal. *(Russian)* 2−12134
data base model for distribution facilities 2−27481
DC power supply lines and add-on units, transient analysis by computer *(Russian)* 2−4278
digital computer algorithms for the calculation of generating capacity reliability indices 2−22839
distance protection, microcomputer appl. *(German)* 2−3782
distance protection, microcomputer appl. *(Russian)* 2−3786
distribution network planning, use of computer graphics in database management systems 2−27478
distribution networks, short term load forecasting methods appl. *(Hungarian)* 2−22859
distribution primary feeder loss-reduction shunt capacitor placement 2−17712
distribution system integrated voltage and reactive power control 2−27479

power system analysis computing continued
dynamic response program PSTAB 2—22891
dynamic stability analysis 2—22841
dynamic stability of simple power system 2—12131
dynamics simulation, system components model 2—22836
effects of special purpose hardware in scientific computation with emphasis on power system applications 2—27383
efficient method for real-time simulation of large power system disturbances 2—27387
efficient parallel processing method for power system state estimation 2—12148
EHV transmission lines, back-up protection equipment adjustment computing *(Czech)* 2—17770
eigenvalue analysis of synchronizing power flow oscillations in large electric power systems 2—22884
electric drives, DC, supplied by parallel connected 3-phase bridges, operational conditions verification 2—28142
electric energy systems computer-aided protection *(German)* 2—27566
electric utility facility management, computerised graphics systems appls. 2—7478
EM transient analysis by computer 2—17687
EMAV, digital computer program for calc. of EM transient conditions *(German)* 2—27457
emergency control, multiprocessor static state estimation 2—27448
energy supply discrete optimisation methods 2—22784
equations transformation to state-equation form 2—27409
expected energy and reliability indices calc., two algorithms *(Korean)* 2—7498
extremum grouping of consumers by sources of supply in a computer aided design system for power networks *(Russian)* 2—27427
fast computation algorithm for 2nd-order AC load flow with application to ill-conditioned systems 2—3734
feasibility sets for steady-state loads in electric power networks 2—22880
formed commutation rectifier circuit calculations *(German)* 2—20247
generation expansion program to achieve optimum plant mix and minimum costs for a fixed reliability of supply 2—22788
harmonic distribution calcs. in supply networks *(German)* 2—27435
heat distribution centres, computer simulation 2—23071
heavy starting large synchronous motors, hybrid computer simulation 2—12603
high-speed power flows using attached scientific (array) processors 2—22885
hybrid simulator for dynamic anal., experience 2—7468
hydro-thermal power system, cost effective operation determ. 2—3677
interactive short circuit system 2—27393
interconnected, travelling waves, digital anal. using Schnyder-Bergeron graphical method 2—27452
interconnected earthing system in two layer earth structure, program for resistance and potential to earth calc. *(Croatian)* 2—27567
interconnected power network, optimal load dispatch strategy determ. 2—17649
interconnection, national and international, using increased number of nuclear generating stations *(French)* 2—27341
internetwork power flow calc. and identification programmes *(Russian)* 2—12208
large scale optimal unit commitment problems, soln. 2—22832
linear power networks configuration changes simulation using Krons's method of tearing 2—27401
linearization method for determining the effect of loads, shunts and system uncertainties on line protection with distance relays 2—12286
LV distribution/network investment and operating costs optimisation using computer *(Finnish)* 2—27468
MALAZEI program, computer curtailed graphic planning of distribution system *(German)* 2—27436
marine electromechanical drive systems, digital simulation 2—13040
MHD/steam power plants, real-time simulation by digital parallel processors 2—23140
modal parameters of homogeneous overhead lines above 1000 V, calc. *(Czech)* 2—7557
multi-generator power system global stability calc. using OSTAB-Z computer program *(Polish)* 2—22812
multi-machine networks, mathematical model for static stability *(German)* 2—27370
multi-machine stability anal. 2—3664
multimachine networks, subsynchronous reson., transient characts. modelling *(French)* 2—7472
new method for computerized solution of power flow equations 2—22878
on-line method for transmission ampacity evaluation 2—27449
operating reliability of networks in electric systems *(Czech)* 2—27362
operational power reserve determ., and appl. experience 2—22815
optimisation of distribution networks by computer processing *(Norwegian)* 2—22907
ordered elimination algorithms for network calculations *(Polish)* 2—22813
overcurrent protective device coordination by computer 2—17777
overvoltage analysis methods 2—22892
parallel optimization with applications to power systems 2—22842
parallel processing, experiences 2—27397
planning and operation methods, models and computer programs 2—27339
power distribution voltage level calcs. using hand-held programmable calculator 2—17714
power flow outage studies using an array processor 2—22886
power line transmission props. calc. using computer to solve full transmission equations *(Norwegian)* 2—27446
program package for identification and operative analysis of power flows in intersystem sections of power interconnections 2—3676
pump-turbine boundary conditions modelling in pumped storage scheme simulation 2—23194
PWR plant availability-limiting factors analysed 2—17868
quasi-Newton method for optimal load-flow solution under emergency mode of operation 2—7494
reactive power considerations in automatic contingency selection 2—22834
real time digital data acquisition system for power system load charact. determ., operating instructions, software operation, installation, trouble-shooting, and maintenance 2—17645
real time power transmission calc. via topological modifications *(French)* 2—7515
real-time state estimation for large power systems using multicomputer systems 2—27342
regional use in the USSR 2—22783
relay protection, effect on loads, shunts and system uncertainties on short circuit relays settings 2—17670

power system analysis computing continued
reliability analysis procedures for utility power plants 2—17866
reliability and availability determ., analytical methods based on probability theory, computer program *(Croatian)* 2—27376
reliability evaluation of distribution systems using graphic-based interactive computational methods 2—22909
reliability model *(German)* 2—13321
RESIN, desk-top computer program for finding cut-sets in networks 2—22877
security assessment, fast decoupled load flow 2—22787
short term load forecasting, adaptive model 2—3724
simulation of a multiprocessor network for power system problems 2—27384
stability, steady state, by method of successive approximations *(Russian)* 2—22806
state estimation, practical considerations 2—22826
state-estimation accuracy, judging function appl. 2—22827
steam turbine start-up methods comparison *(German)* 2—17953
switchgear electrodynamic forces calc. program using BASIC *(Polish)* 2—18393
synchronous machines performance in HVDC networks as affected by saliency and controlled and uncontrolled commutation 2—18199
thermionic combustor application to combined gas and steam turbine power plants 2—12506
tracking state estimation and bad data processing 2—27386
transient recovery voltage anal. and computer model of 115 kV elec. system, fault current interruption 2—12190
transient stabilty anal. using sparse matrix 2—3663
transient voltage overshoots, calc. method by computer *(Croatian)* 2—12126
transients, Kron matrix method *(Russian)* 2—19273
transmission line equipment testing measurement results automatic anal. *(Rumanian)* 2—3748
transmission lines, circuits with distributed parameters, transients and switching operations, calc. *(Russian)* 2—7524
transmission network expansion plan reliability analysis, simplifying software system 2—17676
transmission network plans, reliability calc., computer programme TRAP 2—22879
transmission networks development scheme computing, using TASSILI and MEXICO models *(French)* 2—12201
urban network, fault location algorithm *(Russian)* 2—22778
use of sensitivity analysis in automated transmission planning 2—22893
verification/validation of an economic process model for electric power generation in the United States 2—12133
wind power plants incorporation and impact in generation expansion planning 2—17671
Z-matrix of generalised parameters, method for decomp. and correction *(Russian)* 2—22807

power system CAD
see also power system computer control
computer techniques for power system design analysis 2—12204
computer-aided dispatch for electric power systems, review 2—7518
development cost estimate calc. and final design value incorporation *(French)* 2—27423
distributed parameter networks 2—12196
extremum grouping of consumers by sources of supply in a computer aided design system for power networks *(Russian)* 2—27427
generation planning model with reliability constraints 2—22860
invertor supplied induction heating systems *(German)* 2—18760
mines, radial power system CAD, determ. of tap and time dial settings of overcurrent relays 2—17769
planning model, methodology and case study 2—27439
reliability and availability determ., analytical methods based on probability theory, computer program *(Croatian)* 2—27376
transmission line CAD, overhead 2—12263
UHV stability study Tokyo Electric Power Company 2—22861

power system computer aided analysis *see power system analysis computing*

power system computer aided design *see power system CAD*

power system computer control
see also power station computer control; power system analysis computing; power system CAD
automatic monitoring system, computerised SCADA 2—27413
automation and control in electrical substations 2—4303
Bavarian Electricity Supply Company computerised network supply system *(German)* 2—27354
Buenos Aires Province power system centralised control *(Spanish)* 2—22790
computational techniques for an electrical distribution and information control system 2—27480
control desk for dispatching-centre control systems using a computer *(Czech)* 2—27363
data base model for distribution facilities 2—27481
directional protection scheme based on time-domain anal. for digital processor use 2—3792
dispatch computer uprated at low cost 2—27345
distance protection of HV transmission lines, microprocessor appls. *(German)* 2—17759
distribution network computerized telecontrol system used by ENEL, Argentina *(Spanish)* 2—3745
distribution network on-line system reliability calc., processing connection method *(German)* 2—27471
distribution network static state estimation system for monitoring and control *(French)* 2—27466
Donawitz metallurgical works central control installation for power system and process control *(German)* 2—27402
economic control of power systems using microcomputers 2—3714
electric drives, microprocessor-based control and regulation *(German)* 2—28143
energy control, computerised system, overview 2—22829
energy management system, database management problems and solns. 2—3720
energy-management system with MELCOM 350-50 model A2300 computer *(Japanese)* 2—4474
equivalent circuits of power system networks and operating conditions *(Russian)* 2—22805
ESCOM system control and load dispatch system, assembly phase experience 2—3941
ESCOM system control and load dispatch system SCALD 2—3719
fault location in HV power systems 2—3793

power system computer control continued
future power systems, electronics appls. 2−3706
gas-insulated substations, appl. of high technology electronics to testing and operation 2−18400
gasturbine engine computer model validation, fuel control system designers approach 2−23148
generation, distribution and protection, Conf., Pretoria, South Africa (Sept. 1980) 2−22786
integrated software system for power system operation control and planning 2−22840
inter-utility computer data exchange 2−17643
interfaces for electronic control installations *(German)* 2−27373
London transport's electric power supply distribution network 2−13023
main control stations using process computers, planning and erection *(German)* 2−17667
microcomputer applied to the control and reduction of consumption of energy *(Spanish)* 2−28253
microcomputer based system for metering, controlling and reducing electric power consumption *(Norwegian)* 2−27586
microprocessor based energy management systems 2−27380
microprocessor implementation of breaker-fail protection 2−3795
microprocessor load control systems 2−27583
microprocessor power electronics control appls. *(German)* 2−7493
microprocessor-based control of distribution systems 2−22821
microprocessor-based equipment for automatic control in power generation and distribution systems 2−3716
microprocessors in electric power systems, present status and applications 2−27399
monitoring activities, topology, observability and state estimation 2−3717
multi-microcomputer based distributed front end communications subsystem for power control centre 2−22837
MV network, real time data processing system for visual display and calc., database aspects 2−3747
operator load flow programs for energy management system, specification 2−3709
PAN, program system for network planning *(German)* 2−27434
photovoltaic power system interconnected to mains, Power Conditioning Unit 2−18084
power dispatch centre, computerised control 2−27414
power networks, integral telecontrol used for large systems *(Spanish)* 2−22848
probability model for automatic stationary state control *(Russian)* 2−17630
problems in the application of microcomputers to existing electricity generating and distribution systems *(German)* 2−22811
programmable power processor for high power spacecraft power systems 2−17514
protection, digital relaying, trends and advantages 2−3791
protection, monitoring and control as integral part of power sytem design process 2−17653
real time results with on-line network equivalents for control center applications 2−17642
real-time data acquisition *(German)* 2−16886
real-time state estimation for large power systems using multicomputer systems 2−27342
remotely controlled power supply for photomultipliers 2−27079
residential load controllers, microprocessor-based, cost effectiveness 2−27344
role of interactive and control computers in the development of a system restoration plan 2−22831
Shinkansen railway elec. power supply 2−18677
shipboard electric plant supervisory control system for warship 2−13039
software package for automatic generation control with economic dispatch and load forecasting functions 2−3713
spacecraft photovoltaic power systems, power management 2−17521
standardized SCADA AGC system effect on system cost, delivery and quality, Northern States Power Company, USA 2−22838
state estimation, practical considerations 2−22826
state-estimation accuracy, judging function appl. 2−22827
state-of-the-art review 2−12145
substation transmission lines, integrated monitoring and control system *(Japanese)* 2−7500
telecontrol operator system for railway power networks 2−18702
transformer substation computerised protection and control, principles and systems survey *(Croatian)* 2−7893
underground coal-mine power system, computer-based protection relaying scheme 2−17776
upgrading energy control centre inclusion of bulk system security package 2−22830
USA military installation energy management using computerised load control 2−8091
variable speed drive microprocessor control 2−28152

power system control
see also load regulation; power station control; power system computer control
AC, regulation and voltage drop calc. 2−17690
AC power flow control with a multiterminal DC system 2−12226
American Power Conference, Chicago, IL, USA (April 1980) 2−13153
analysis of control operations in distribution systems of district and selected local dispatching centres of the Czech Power Utility in 1980 *(Czech)* 2−17634
automatic fault clearance systems for consumer supply networks *(Russian)* 2−7539
automatic generation control of interconnected power systems/ using variable structure controllers/ 2−3692
automatic loop sectionalising for improving distribution reliability 2−27491
automatic phase failure switching in insulated-neutral networks *(Russian)* 2−12283
automation and control of networks 2−3666
automation of synchronous drives for a reliable operation of electrical equipment in catalytic cracking points *(Russian)* 2−18824
averaging interval estimation of rated loads *(Russian)* 2−17631
AVRs of generators of production and transmission networks, voltage compound and reference values coordination 2−3715
behaviour arising from decision elements in control laws, stability problem 2−12182
centralized versus decentralized damping of low-frequency oscillations in a large power system 2−7505
closed-loop emergency control system 2−27404

power system control continued
computerised, reliability *(Russian)* 2−19041
contingency simulation using array processor 2−22856
control behaviour of electrical power stations and loads operating in interconnection 2−17661
control of postemergency conditions of power systems on capacity unbalances 2−12171
CRT displays for power system control 2−22174
data transmission for power systems IEEE glossary and definitions 2−13140
decentralised and centralised automatic generation control, multivariable servomechanism approach 2−3705
design of decentralised load-frequency regulators for interconnected power systems 2−22845
design of models of power systems from the data of control measurements 2−12173
developments in protection and control for EHV transmission systems 2−22894
developments w.r.t. generation-transmission system changes *(French)* 2−12167
distributing networks, ENEL unified telecontrol system general principles *(Spanish)* 2−7541
distribution in USA, control by satellite, proposal 2−3690
distribution networks, ENEL unified telecontrol system functions and structure *(Spanish)* 2−7540
dynamic interaction of electrical power plants, loads and transmission network 2−7506
dynamic optimisation, hierarchical approach 2−17663
EHV series capacitor equipment protection and control 2−12292
EHV transmission line containing controlled reactors, transient stability limit 2−3688
EHV transmission system containing controlled reactors, transient stability limits 2−3689
electric power system, criterion models in optimisation *(Russian)* 2−3685
electric utility system, control of new energy sources 2−17651
electrical networks programming, control and optimisation of power absorbed *(Italian)* 2−7527
electricity supply network automation and control 2−7474
electricity supply voltage frequency adjustment, periodic signal frequency sensor 2−12313
emergency control of power systems using synchronous and nonsynchronous tie lines 2−27410
emergency control techniques, development trends review 2−27395
ENEL, unified remote control system, equipment for test and simulation *(Spanish)* 2−27488
feasibly decentralized dynamic compensators in power generation 2−7513
generation and system control via modern control theory 2−22852
generation control by shifting eigenvalues of a closed loop system 2−27382
homeostatic control appl. to control and economic operation of electric power systems 2−17652
HVAC and compound HV-AC-DC systems, dispatched control for normal conditions 2−17641
hybrid simulation 2−22857
hydro electric system, optimal management *(French)* 2−18064
hydrothermal interconnected systems, long-term optimisation of operation *(German)* 2−12138
IANTAR high-power thyristor-supplied drive control systems *(Polish)* 2−23669
installation development and dispatch control status and prospects 2−27336
integrating renewable energy sources into small systems, system technical questions 2−17665
interconnected, decentralised and hierarchical stabilisation techniques 2−3699
interconnected large-scale power systems, control of energy interchange 2−17621
interconnected power system control using two-level methods 2−22843
large hydrothermal power systems, economic operation 2−17662
large interconnected power system, local feedback stabilisation 2−12128
large-scale systems dynamic modelling and control 2−27396
load frequency control via constant limited-state feedback 2−3680
Luenberger type observer-controller design, single machine infinite bus power systems 2−3681
LV network 2-way signalling system using system frequency modulation *(Norwegian)* 2−27378
mains voltage swing damping, using controllable parallel compensators *(German)* 2−17692
mathematical model for the asymptotic motion of complex energy-supply systems 2−22850
multimachine power system, closed loop quasioptimal excitation control strategy 2−3695
multimachines, electromechanic coherency 2−12129
multitarget dynamic optimisation *(Russian)* 2−22818
MV supply network control problem, soln. 2−27486
on-line load forecasting for energy control centre appl. 2−22862
on-line observability determination for power system monitoring 2−7508
operating disturbances, generating unit mechanical and electrical system interaction 2−3790
optimal control strategies for transient stability improvements of power systems model with two tie lines 2−27331
optimal decentralized damping of low-frequency oscillations under control energy constraints 2−3696
optimal power flow, review 2−27330
optimal short-term operation, economic evaluation of operational reserve policies 2−22853
optimum load scheduling of nuclear-hydro-thermal power systems 2−22863
peak shaving and regulation by batteries, hybrid simulation 2−17656
phase-angle measurements with synchronised clocks, principle and appls. 2−22825
planning available capacity 2−22858
power interconnection duty control by frequency and active power *(Russian)* 2−22808
power system dynamic fit and equivalent optimal control using system identification method *(Chinese)* 2−7467
problems with the automation of the Polish power system *(Polish)* 2−27358
programmable control system selection criteria 2−3718
random programmable automaton to control technological set *(Polish)* 2−27361

power system control continued
reactive load compensation of complex electric network, time factor allowance *(Russian)* 2−17632
reactive power compensation by a linear programming technique 2−17626
reactive power control systems, problems, modelling and simulation techniques 2−27398
real telecontrol system unreliability, cause of information loss *(Croatian)* 2−12142
real-time state estimation algorithm 2−7509
reheat steam turbines and governor deadband nonlinearity, load-frequency control parameter optimisation 2−22844
residential air conditioning and space heating control test programme 2−17657
satellite communication fills data void 2−17779
scientific and methodological problems of system studies in large power complex 2−12163
scientific investigations of large power complex, optimisation 2−12162
secondary voltage control of EDF network 2−3738
secure and economic automatic generation control principle 2−7511
security assessment, fast decoupled load flow 2−22787
security assessment, rule-based approach 2−12189
signal-flow diagram simplification for turbine governors *(German)* 2−12139
single-phase auto-reclosing-philosophy and experience in South Africa 2−3749
stabiliser using speed and electrical power inputs, design and field experience 2−3686
stabilising controller design using pole-assignment technique 2−7512
stability affecting factors *(French)* 2−12168
state and parameter estimation using dynamic model 2−7514
static compensator use to control voltage level and balance on ESCOM system 2−4321
steam and hydraulic interconnected power areas, effect of size difference on optimal response 2−27420
switched-mode power conversion, topologies, magnetics and control, tutorial review 2−12721
telecommunication system of Cahora Bassa-Apollo scheme, control and protection functions 2−3740
torsion dynamic stabilizer verification tests at the San Juan station allowing unrestricted use of series capacitor compensation 2−22823
two-level state estimation for anomalous data anal. 2−7510
utility energy control centre, installation and start up of an on-line state estimator 2−12154
variable structure control of electric power generation 2−27388
voltampere reactive compensation using chance-constrained programming 2−22846
water supply, electrical power system, solar cell array appls., pump selection, monitoring and control *(German)* 2−28315
Z 2−3712

power system interconnection
1 MWp central photovoltaic plant, feasibility of connection to European electrical network 2−18085
500 kV line, river crossing installation aspects 2−3772
area decomposition for electromechanical models of power systems 2−22855
Austrian electricity industry survey for 1980 *(German)* 2−22849
automatic generation control of interconnected power systems/ using variable structure controllers/ 2−3692
Buenos Aires Province interconnected power system frequency control *(Spanish)* 2−22791
conditions for stability/ of a transmission system/ subject to random variations in power flow/ *(Russian)* 2−3729
control behaviour of electrical power stations and loads operating in interconnection 2−17661
control of interconnected power systems using two-level methods 2−22843
decentralised and hierarchical stabilisation techniques 2−3699
design of decentralised load-frequency regulators for interconnected power systems 2−22845
dynamic interaction of electrical power plants, loads and transmission network 2−7506
economic control of power systems using microcomputers 2−3714
emergency control of power systems using synchronous and nonsynchronous tie lines 2−27410
feasibly decentralized dynamic compensators in power generation 2−7513
HVDC short interconnection, experience *(German)* 2−27460
HVDC/AC interconnection systems, simulation methods *(German)* 2−27462
hydroelectric power station groups, centralised control system, GRAM *(Russian)* 2−27787
investigation of the transient phenomena in a power sytem during fast changes of power output *(Czech)* 2−7485
large interconnected power system, local feedback stabilisation 2−12128
large power stations, dynamic characts. and control during fast power changes 2−3940
load demand prediction, two stage adaptive estimator 2−22865
national and international, using increased number of nuclear generating stations *(French)* 2−27341
on-line observability determination for power system monitoring 2−7508
on-site photovoltaic system interconnection with electric utility 2−18081
optimal load dispatch strategy determ. 2−17649
photovoltaic power generation system interconnected with mains 2−18083
photovoltaic power system interconnected to mains, Power Conditioning Unit 2−18084
power interconnection duty control by frequency and active power *(Russian)* 2−22808
program package for identification and operative analysis of power flows in intersystem sections of power interconnections 2−3676
reliability evaluation with load correlation and transmission constraints 2−22854
security assessment, appl. of external equivalents in machine outages case 2−7507
situational multiplexing of dispatcher channels in power systems and tie lines *(Russian)* 2−27381
small wind power plants and power supply grid, problems *(Dutch)* 2−23226
steam and hydraulic interconnected power areas control, effect of size difference on optimal response 2−27420
Swedish State Electricity Supply System power distribution plans and equipment *(Swedish)* 2−27351
synthesis of dynamic load models for stability studies 2−22835

power system interconnection continued
travelling waves, digital anal. using Schnyder-Bergeron graphical method 2−27452
two-level state estimation for anomalous data anal. 2−7510
USA Pacific HVDC Intertie capacity improvement 2−17655
wind power plant interconnection with power supply grid having no connected hydropower, problems *(Dutch)* 2−23225
wind power plants and power supply grid, problems and economics *(Dutch)* 2−22803

power system protection
see also lightning protection; overcurrent protection; overvoltage protection; relay protection; switchgear protection; transformer protection
6 kV mains supply, compensation of capacitive short cct. currents, reactor design *(Russian)* 2−3785
10 kV rural supply networks, high speed protection *(Russian)* 2−3783
algorithm for load protection of superconducting cable 2−12261
application, volume 3, revised edition, book 2−4589
automatic phase failure switching in insulated-neutral networks *(Russian)* 2−12283
automatic underfrequency load shedding in ESCOM 2−3707
availability of protection relays and systems 2−3794
choice of analytical and modelling methods for reactive compensation equipment 2−12293
circuit breakers' remote control using closed mobile radio communication system *(Norwegian)* 2−27572
computer systems, power loss, correction and protection 2−13933
Conf., Pretoria, South Africa (Sept. 1980) 2−22786
control of shunt compensation with reference to new design concepts 2−12289
customer service entrance conductors, lack of protection and fire hazard and welding action 2−12298
development trends in fuses and vacuum interrupters for distribution system protection 2−27581
developments in protection and control for EHV transmission systems 2−22894
digital relaying, trends and advantages 2−3791
directional protection scheme based on time-domain anal. for digital processor use 2−3792
distance protection, hunting blocking equipment *(German)* 2−12302
distance protection, microcomputer appl. *(German)* 2−3782
distance protection of HV transmission lines, microprocessor appls. *(German)* 2−17759
distribution networks, 600 V and below, branch ccts., feeders and service entrances, design guidelines 2−22905
distribution networks, MV earth faults, damage caused and protective measures *(Italian)* 2−22906
dynamic interaction of electrical power plants, loads and transmission network 2−7506
earth fault capacitive current compensation investigation *(Russian)* 2−12282
earthing, anal. and recommendations for methods and materials *(Spanish)* 2−22953
EHV lines distance protection, power swing detection techniques development 2−7574
EHV series capacitor equipment protection and control 2−12292
EHV transmission lines, back-up protection equipment adjustment computing *(Czech)* 2−17770
electric energy systems computer-aided protection *(German)* 2−27566
electrical circuits protection 2−17757
electrical switching apparatus and electronic protection (ASZK) in electrical networks in hazardous areas *(Croatian)* 2−27569
electricity supply voltage frequency adjustment, periodic signal frequency sensor 2−12313
equipment grounding and personnel protection in cement plants 2−17765
fault current limiting device, ultrafast fault sensor appl. 2−12299
fault location in HV power systems 2−3793
hazardous transferred earth potentials in power systems, design to avoid 2−12296
high-resistance grounding of power systems 2−17768
household electrical systems design and standards 2−7536
HVAC transmission planning and related problems 2−12229
HVDC link metallic return protecting cct. breaker, development and field appl. 2−18382
industrial electrical installations protective measures and maintenance *(Italian)* 2−22954
industrial power system neutral conductor distribution *(French)* 2−22952
linearization method for determining the effect of loads, shunts and system uncertainties on line protection with distance relays 2−12286
LV installations earth fault protection using differential devices *(Italian)* 2−22959
microprocessor based protective relaying, algorithms and systems 2−3799
microprocessor implementation of breaker-fail protection 2−3795
microprocessor-based control of distribution systems 2−22821
microprocessors, DC power supplies, regulation and protection 2−19548
molded-case circuit breakers for underground mine power systems, accelerated life testing 2−18401
monitoring, protection and control as integral part of power system design process 2−17653
MV industrial networks, using electronic relays *(German)* 2−12284
MV/LV transformer substation and LV distribution networks lightning protection 2−27578
neutral deriving transformers for grounding LV systems with delta connected source transformers 2−12315
new FFT-based digital frequency relay for load shedding 2−27574
new Modures relay sytem for plant protection 2−7577
novel fail safe earth fault protection schemes for underground coalmines using restricted neutral system of power supply 2−22961
operating disturbances, generating unit mechanical and electrical system interaction 2−3790
overcurrent protective device coordination by computer 2−17777
power equipment static protection, development prospects *(Polish)* 2−22955
power lines with lightning arresters, choice of protection *(Croatian)* 2−27571
power systems with earthed neutrals in electric plants, personnel protection against indirect contact *(Portuguese)* 2−12305
preventive programmed maintenance and tests on energised power systems 2−8242
problems and concepts of static compensator control 2−12290

power system protection continued
protection and co-ordination of insulation against over-voltages of internal origin *(Spanish)* 2−27579
railways, electrical energy supply to railways *(French)* 2−23695
role of static compensation meeting AC system control requirements with particular to the James Bay system 2−12291
selective protection system for complex electrical networks using integrated circuits *(Italian)* 2−12301
series capacitor protection by metal oxide resistor 2−17775
single-phase auto-reclosing-philosophy and experience in South Africa 2−3749
six-phase transmission line, protective relaying mode *(Russian)* 2−12294
stability affecting factors *(French)* 2−12168
static mho type distance relay performance, effect of subsynchronous current 2−12306
station ground potential rise, RMS symmetrical, calc. methods for protecting telecommunication ccts. 2−17762
subsynchronous resonance in HV networks, protective measures 2−7475
suppression of internal overvoltage surges in industrial high voltage systems 2−17758
systems and methods, volume 2, book 2−4575
telecommunication power systems, lightning surge investigation and protection *(Japanese)* 2−17760
telecommunication system of Cahora Bassa-Apollo scheme, control and protection functions 2−3740
transmission line fault distance computation by microprocessor from line impedance change *(German)* 2−27570
transmission line protection, digital filter modelling 2−22874
two-storey cell with removable SF_6 contactor and circuit breaker *(French)* 2−28068
underground coal-mine power system, computer-based protection relaying scheme 2−17776
SF_6-gas generator breakers for use in large capacity power stations 2−28055

power systems
see also distribution networks; power apparatus; total energy systems; transmission networks
5 kW_e isotope/ORCEPS dynamic power system 2−17881
20kW photovoltaic flat-panel power systems 2−23222
100 kW utility interconnected flat panel photovoltaic system, design and start-up performance 2−23649
110 kV and above, network structure and operation experience 2−12169
700 MWe, external and internal auxiliaries power supply reliability *(French)* 2−27617
750 kV power lines design choice and improvement 2−12202
advanced dispatcher training simulator, digital computer-based 2−22828
advanced satellite power system concept 2−18137
algebraic eigenvalue theory of component systems utilizing network symmetries 2−27453
analysis of steady state of electric power network with random network parameters 2−12217
analysis of the operation of an electrical system during simultaneous operation of synchronous and asynchronous generators 2−12165
application of compensating devices in power supply systems having large nonlinear loads *(Russian)* 2−3669
asynchronous generator with short circuited rotor, rectifier-fed, in independent power supply systems, anal. 2−4142
automatic power system short-term load forecasting method 2−12203
auxiliary power system for a 500 to 600 MW coal power plant, design methods 2−12194
availability and reliability analysis of utility and stand-by electric power systems under uncertainty 2−3723
battery operated AC and DC power systems, computer aided draughting, production service improvement 2−13261
battery-based DC power supplies 2−7918
block diagram representation of multimachine synchronous power system/ 2−3697
calculating reliability during optimum planning of maintenance operations in a power system *(Russian)* 2−27428
centralised DC power supplies 2−7520
centre of inertia *(Russian)* 2−3660
consumer electricity supply stability and quality maintenance 2−7490
cost versus reliability curves 2−27415
coupling between a photovoltaic panel and the power grid with battery storage 2−3682
current source DC link convertor phase effects anal. 2−27464
Czechoslovak, planning, development and management information systems *(Czech)* 2−27364
Czechoslovakia Power Res. Inst., research programme for 7th five year plan 2−13212
daily fossil fuel management programme, optimisation algorithm 2−22833
DBMS, state-of-the-art survey and requirements for power system calcs. 2−27329
DC railway lines energy supply performance *(German)* 2−28164
decoupling and load shedding system, optimum dimensioning 2−7473
DELPHOS project, flat-plate photovoltaic power system, appls. 2−23217
design of filter compensation installations for high power distorting loads *(French)* 2−22947
determining single-phase earth fault currents in networks with insulated neutrals based on voltmeter measurements *(Russian)* 2−27587
development, appl. of fu electrical power system development, appl. of fuzzy set theoryy set theory *(Russian)* 2−17673
development design of production basis *(Czech)* 2−27424
distributed power systems within elec. utility, economic operation 2−3687
district heating demand and tariff planning *(Russian)* 2−23753
disturbances, coherent generators identification using frequency response 2−3691
doubly-fed synchronous machines in power system, operation anal. *(Russian)* 2−3668
dynamic behaviour estimation using statistico-probability method 2−27328
dynamic equivalents, coherency recognition 2−12157
dynamic optimisation of elec. power network development, multi-criteria assessment *(Russian)* 2−12195
dynamic response with limited variations in voltage and frequency, modeling procedure 2−12176
dynamic security assessment, state estimator 2−12155
economics of integration of renewable energy sources into small systems 2−17683

power systems continued
effect of operational organization of electrical networks on their reliability 2−12170
effect of partial outage representation on the statistical properties of loss-of-load probability estimates 2−12150
efficient constrained power flow technique based on active-reactive decoupling and the use of linear programming 2−22881
electric energy systems, state eqns. for computing electromechanic transient states *(German)* 2−27368
electric equipment for maintenance of live LV/MV networks, recommended tests and standards *(Hungarian)* 2−18958
electric power generation information system characteristics *(Croatian)* 2−17788
electric power grid developments mathematical modelling *(Russian)* 2−22887
electric power systems/ textbooks/ 2−3661
electrical networks, minimisation of active power losses by reactive power compensation *(Rumanian)* 2−12210
electrical power in Comecon states, development survey in 1990 2−22785
electrical power systems load modelling techniques, implications in stability analysis 2−17654
electrical system for oil and gas processing terminal, design aspects 2−23837
electricity consumption forecasts, methodology and appl. 2−12193
electricity networks expansion in developing countries 2−7466
electricity supply in the Netherlands *(German)* 2−22774
electricity-supply systems, energy storage, flywheel appl. in small-capacity systems *(Japanese)* 2−12206
electrification in Soviet Union, present state and future trends *(Russian)* 2−3659
electrodynamic model tests on an electromechanical frequency changer for flexible coupling of electric systems 2−4275
electromechanical model, algebraic and dynamic simplification *(Italian)* 2−17633
EM transients regression anal. *(Russian)* 2−22779
energy strategy planning for electric utility, SMARTE methodology 2−27429
energy strategy planning for electric utility, SMARTE methodology case study 2−27430
equipment operation optimisation algorithm *(Russian)* 2−12136
equivalent transformations of linear multipole networks in power systems *(Russian)* 2−12209
'ESPOIR' and 'SPES', photovoltaic solar systems for isolated communities 2−18087
failure extension curtailment procedure and criteria *(French)* 2−27340
fast approximate power-flow solution for contingency evaluation 2−3735
fast identification of bad data in power system tracking state estimation 2−3683
fundamental research in electrophysics and power engineering after the GOELRO (State Commission for the Electrification of Russia) plan 2−27335
harmonic anal., using HP pocket calculator *(German)* 2−22775
harmonic distortion sources in power system networks 2−12143
harmonic linearisation fundamentals for computing stationary oscillation states *(German)* 2−27369
HV fault location, partial discharge detectors, ultrasonic methods appl. 2−27583
hydro-thermal power systems, cost effective operation determ. *(Russian)* 2−3667
improvement in the transient response/ of a hydrosystem/ by compensation/ and stabilising signals 2−3957
in-flight performance of the solar maximum mission electrical power system 2−18541
Industry Applications Society meeting, conf., Philadelphia, PA, USA (Oct. 1981) 2−13164
investment decisions anal. and review 2−27432
Italian, EHV network development strategy *(French)* 2−12199
joint energy systems of socialist countries *(Czech)* 2−27325
large scale, dynamic behaviour anal. 2−3684
large scale, stability region determ. 2−3679
load behaviour under short cct. faults, field tests 2−12152
load management, monitoring and data processing 2−27421
load-curve forecasting for USA regions, QUERI model appls. 2−27419
losses, contemporary method of evaluation *(Slovak)* 2−22875
low voltage bulk power system restoration simulation 2−17638
LV networks short-circuit magnitudes measurements *(German)* 2−22772
mains voltage fluctuations, commercial users, voltage stabilisers, types *(German)* 2−27379
mathematical model and method of reactive power optimisation in an electricity network *(French)* 2−22797
method of determination of economic losses depending on the reliability of electric energy supply to receivers *(Polish)* 2−27359
mine power system, optimal spares provisioning technique for consumable items 2−17664
mixed determination of electrical networks containing ideal transformers *(Czech)* 2−12192
molten salt electrolyte cell for propulsion and load levelling *(German)* 2−18450
MOSFET power transistors for power systems, protection *(French)* 2−20272
multi-machine, transient characteristics of subsynchronous resonance *(French)* 2−12130
multimachine AC/DC power system, transient stability anal. via energy-function method 2−22824
multimachine power system dynamic stability evaluation, eigenvalue approach 2−7497
multimachine system, coherency identification and equivalents for transient stability studies 2−7499
multiple levels and classifications/ of emergency electrical power systems/ 2−3726
Netherlands, public grid power consumption anal. *(Dutch)* 2−22782
network harmonics limits, Australian Standard AS 2279 (1979) 2−12757
network process analysis using mathematical and physical models *(German)* 2−17669
network processes, mathematical and physical models for computation, derivation *(German)* 2−17668
network sensitivity anal., complex Lagrangian approach 2−27451
networks, audio frequency interference spectrum, continuous component meas. *(Russian)* 2−27589
networks, interference spectrum at sonic freqs., continuous component meas. *(Russian)* 2−27588

power systems continued
nonlinear observability, quantitative estimate 2−12159
on operating conditions of large doubly-fed asynchronous machines in a power system 2−3675
operation reliability concept development and methods adopted 2−27337
operational condition parameters calculated using equiv. ccts. *(Slovenian)* 2−27355
optimal growth in Slovenia *(Slovenian)* 2−27425
optimal short-term operation of power systems, inaccurate input data influence 2−3711
optimal short-term power system operation, operational reserve policies economic evaluation 2−12132
optimisation, complex, using mathematical model OPC 15 *(Russian)* 2−22888
optimisation, of load flow, simplex method *(Russian)* 2−22889
optimization methods in planning and operation 2−27431
optimum load scheduling of nuclear-hydro-thermal power systems 2−22863
optimum operation of large power systems *(Russian)* 2−17629
outage data analysis, statistical methods 2−27417
photovoltaic, construction operation and applications survey 2−12887
photovoltaic, scaled down, hardware simulation 2−12553
photovoltaic, stand-alone, roof-top, appraisal for rural applications 2−12890
photovoltaic home installation, experience 2−28127
photovoltaic power system, 3 kW, operating charact., optimum system definition 2−23221
photovoltaic power system appls. to instrumentation at remote US Army test centres 2−23219
photovoltaic power system for Natural Bridges National Monument, operation 2−23220
photovoltaic power system for the Oklahoma center for science and arts (OCSA) 2−23648
photovoltaic power system reliability anal., maintenance availability, life-cycle cost calc. 2−23216
photovoltaic power systems, off-grid, cost effectiveness in comparison to combustion engine generating sets 2−12888
photovoltaic power systems, system outages, reliability and repair economy of future systems 2−23215
planning, using 'Dimensionnement' optimisation model *(French)* 2−12198
planning available capacity 2−22858
Polish power system economic losses assessment *(Polish)* 2−7484
power industry economic efficiency calc. method *(Polish)* 2−22771
power system fault detection by digital techniques 2−22343
power system observability, telemeasurement network reliability, evaluation *(Japanese)* 2−17784
power system simulator for load dispatcher, discrete dynamic model 2−12172
power system stabilization via excitation control of two-axis synchronous generators 2−7492
preventive programmed maintenance and tests on energised power systems 2−8242
probabilistic approach for power system/ dynamic stability studies/ 2−3693
probable fault conditions selection methodology *(Czech)* 2−27365
problems associated with low head hydroelectric units 2−7761
railway power systems, energy storage, dumped regenerative power, fly-wheel appl. *(Japanese)* 2−12994
railways, electrical energy supply to railways *(French)* 2−23695
railways, electrification, world-wide, state-of-the-art *(Italian)* 2−28161
reactive power compensation by a linear programming technique 2−17626
reliability, discrete convolution 2−22819
reliability, evaluated using graph theory *(Slovenian)* 2−12140
reliability, service cost and quality 2−27347
reliability and availability determ., analytical methods based on probability theory *(Croatian)* 2−27376
reliability evaluation, common mode failure modelling, new approach *(Croatian)* 2−3700
reliability index of transient stability for a single machine connected to an infinite-bus 2−7469
reliability indices 2−8328
renewable energy resources integrated into large elec. systems 2−17684
requirements and technology trends for future military space power systems 2−17525
research in Czechoslovakia, work of Power Research Institute till year 1990 *(Czech)* 2−13211
residential end use load affected by voltage reduction, analysis 2−12146
residential photovoltaic power system 2−23645
residential photovoltaic system design 2−28126
residential-electrification photovoltaic power systems for Hopi Indian reservation, New Mexico, USA 2−23218
resolution of the All-Union scientific and technical conference on system studies in power engineering 2−12124
Rumanian power system development, reactive power and voltage planning 2−27422
rural electrification in Thailand 2−12205
Sao Paulo State Railway (Fepasa) electrification 2−23703
satellite power system X-ray response, anal. and test methodology 2−17450
scientific basis of system studies in power engineering 2−12123
security corridors concept and computation 2−12151
security enhancement by co-ordinated planning and operations engineering 2−17680
self-adjusting regime in active power space, region of existence anal. 2−27403
semiconductor converters/inverters for photovoltaic power supply 2−18348
service reliability optimisation problems, soln. 2−27406
short-term load forecasting, adaptive Kalman filtering appl. 2−3725
shunt reactors with distributed air-gaps, influence of dimensional parameters on design, application in power syst-em compensation *(Spanish)* 2−7897
significance of GOELRO (State Commission for electrification of Russia) plan for systems analysis in energy studies 2−27408
simulator for training of dispatchers, functional requirements 2−3721
single power line outages, topological error determ. 2−12214
single-machine power system, new type Lyapunov function for better estimation of stability region 2−7476
situational multiplexing of dispatcher channels in power systems and tie lines *(Russian)* 2−27381
power systems continued
sixty years of the GOELRO (State Commission for the Electrification of Russia) plan 2−27334
small power photovoltaic systems, pilot power conditioning installation 2−18520
solar power satellites, integration with utility system networks 2−27832
solar power satellites, potential contribution to energy needs in Europe 2−27831
solid-state uninterruptible, transient protection for solid-state communications equipment 2−10765
space conditioning load, probabilistic model 2−7495
sparse variable metric optimization method applied to the solution of power system problems 2−22883
spinning reserve constrained static and dynamic economic dispatch 2−27389
stabilised generator model for three phase sinewaves 2−761
stability, dynamic model of optimum development *(Russian)* 2−17691
stability problems review *(Croatian)* 2−27375
stability regions in optimization of the quality of electric energy *(Russian)* 2−12135
state estimation, detection and identification of multiple bad data 2−27394
state estimation, weighting coefficients selection *(Russian)* 2−27444
static reactive power sources in electrical systems 2−12166
static-state estimation, for electric power systems *(Slovenian)* 2−12141
steady state operation analysis 2−27405
steady state regimes, anal. *(Russian)* 2−3702
steady-state mathematical anal. models 2−27327
subsynchronous resonance, laboratory measurements 2−7504
supply continuity improvement to industrial areas by insularization 2−27338
supply distortion effects compensation and restrictions *(Polish)* 2−22851
supplying large nonlinear loads, reactive power compensation, soln. 2−3678
system studies and methodological problems of comparative economic efficiency in power engineering 2−12161
sytematic approach to selection of power engineering equipment parameters 2−12164
telecommunication plants, power supply equipment 2−27326
telemetering error in multi-level despatcher control systems *(Russian)* 2−12316
Tennessee Valley Authority decentralised energy system planning and development 2−22864
three-phase AC power systems, integration of space-phasor components with factorized eigenvalues *(German)* 2−12212
three-phase power system, balancing method using scalene Scott-connected transformer assembly 2−12125
thyristor-controlled shunt compensation in power network 2−27993
total capacity probability distribution function construction 2−27433
transient response load charact., busload composition data analysis 2−12178
transient response load charact., load-model guidelines 2−12177
transient response load charact., test results 2−12179
transient stability, equation of motion appl. 2−3674
transient state estimation, using decentralised sequential observer with iterative prediction *(Japanese)* 2−17625
transient state simulation in electric energy systems *(German)* 2−27367
unbalanced polyphase electrical networks generalised shunt fault anal. 2−27332
voltage and capacity allocation using method based on voltage vector and Newton's methods *(Croatian)* 2−27426
voltage and power distribution in poorly conditioned power systems, deter. method *(Croatian)* 2−7486
voltage level maintenance 2−7489
weather-sensitive peak power demand forecasting 2−17678
wind power-plants, frequency domain techniques for determining effects of new source technologies 2−17650

power transformers
see also autotransformers
10 to 35 kV, design, using computers 2−27958
400 Hz, amorphous magnetic materials appl. in electronics 2−15138
400 kV, construction estimate and transport limitations *(Croatian)* 2−27979
400/225 kV autotransformers for power system, in France, charact. selection *(French)* 2−23338
400/225 kV autotransformers for power system, in France *(French)* 2−23339
400/225 kV metalclad autotransformers for power system, in France *(French)* 2−23340
400/63 kV for power system, in France, charact. selection *(French)* 2−23338
400/63 kV for power system, in France *(French)* 2−23339
400/63 kV metalclad for power system, in France *(French)* 2−23340
400/90 kV for power system, in France, charact. selection *(French)* 2−23338
400/90 kV for power system, in France *(French)* 2−23339
400/90 kV metalclad for power system, in France *(French)* 2−23340
acoustic noise sources and reduction *(Czech)* 2−23331
advantages of slipping delta-connected circuits in multiphase converters *(Russian)* 2−4280
amorphous magnetic materials, electronics appls. 2−20482
amorphous magnetic ribbon, evaluation in elec. devices 2−15137
amorphous magnetic ribbon appl. 2−15135
anodised aluminium sheet/foil wound transformers 2−27964
ATE, terminal switching automation, programmable relay array 2−26726
auxiliary power system design optimisation for large generating units 2−17709
capacitance-graded bushings with insulation of oil-impregnated paper 2−7562
cast coil transformers, design and construction 2−18314
cast resin transformers, construction, characteristics and appl. *(Dutch)* 2−27984
cellulose insulating materials, degree of polymerisation meas. 2−15080
complex transformation ratios calc., decomposition method *(Russian)* 2−22780
construction of power transformers *(Hungarian)* 2−23349
coolant, silicone liquid, advantages 2−12688
core amorphous magnetic alloy development 2−18303
core support strips, stray field induced losses and local temp. rises *(Polish)* 2−18298

power transformers continued
DC power supplies for electrolytic processes, reducing losses 2−18349
design constraints of power transformers 2−7890
design using equivalent π-circuit *(Spanish)* 2−27982
distribution transformer losses and bid evaluation 2−7900
distribution transformer secondary ccts. protection, new load-break designs 2−7887
distribution transformer with insulating fluids, load tests *(French)* 2−12684
dry type, alternatives to non-inflammable liquid filled transformers 2−27963
dry type, Meidensha, design features 2−12700
EHV, windings temp. rise and additional losses distribution calculating numerical method *(Czech)* 2−27955
electric furnaces, transformer-fed, booster scheme, reasons and anal. *(French)* 2−28240
electrodynamic stresses, damage detection *(Rumanian)* 2−12691
electrolytical phenomena in liquid hydrocarbons of thermally high stressed rectifier transformers 2−7902
electromagnetic model for locating partial discharges *(German)* 2−18299
enclosure in close-fitting noise shell 2−18307
epoxy casting resin for instrument transformers, selection of materials 2−15084
erection, commissioning and maintenance 2−27967
fault locations, new technique 2−7889
feeders simulation following switching operations 2−12695
ferroresonant constant voltage transformers, low distortion, good stability and regulation 2−7896
finite magnetic circuits method and its application 2−21024
generator transformer operation, circuit breaker effects *(Polish)* 2−12701
harmonic impedance meas. method 2−23334
heating due to single phase current, math. model *(Russian)* 2−4263
Hitachi power transformer reliability 2−4262
hot strip mill, 80 in., simultaneous transformer failure 2−8103
HV transformers, operating behaviour of insulation oils 2−7905
impulse voltage tests *(German)* 2−18294
industrial plant energy supply metering at distribution transformer, losses *(German)* 2−27582
insulation, polychlorinated biphenyl dielec. fluid, present and future regulations governing use/removal 2−18313
insulation discharges, RF detection by loop probe 2−26811
intercoil insulation electric strength determ. *(Russian)* 2−12689
intercoil insulation in power transformer, electric strength determ. 2−4261
isolation, -35 kV space-borne instrument power supply 2−7400
laminations production problems and solutions *(Polish)* 2−4269
large capacity, design and manufacturing techniques, reliability testing, for use in thermal and nuclear power stations 2−27973
large capacity transformer, eddy currents in structure surrounding large current bushings, expt. and calc. 2−12694
large EHV transformer specification features and problems 2−18306
large power transformer efficiency and evaluated cost factors 2−18305
large transformers, on site repair and maintenance *(German)* 2−12696
leakage field in window of transformer with magnetic shielding, numerical calc. 2−23328
leakage transformer, properties during arc welding *(Czech)* 2−18293
lightning pulse transmission through transformers, computation method *(German)* 2−4260
liquid filled transformers with high temp. operating capabilities 2−18310
LV air cooled power transformer, cast-in coils, combined stress due to electrodynamic and mechanical forces c-aused by short-circuits and temperature differences respectively *(Slovak)* 2−7891
magnetic fields in nonlinear, nonhomogeneous media neglecting eddy currents, computation by numerical method, appl. 2−18291
medium power transformer with aluminium winding 2−27965
metallic glass production techniques for power transformer cores 2−23335
microcomputer based power transformer voltage control scheme 2−4271
mobile 15 MVA regulating transformer to increase operating flexibility 2−23342
mobile transformers weight reduction techniques 2−23343
multi-element ponderomotive microwave power transformer, freq. depend. of electrically calibrated coeffs. *(Russian)* 2−27987
neutral deriving transformers for grounding LV systems with delta connected source transformers 2−12315
noise attenuation meas. using models 2−4272
non-flammable biodegradable transformer insulating fluid, chemical, physical and electrical operating parameters *(Italian)* 2−27956
operations of a three-phase transformer in pulse converters *(Russian)* 2−4279
permissible operating time determ. after disconnection of forced-cooling installation *(Polish)* 2−7892
polychlorinated biphenyls filled transformers, problems 2−23329
portable 84 MVA 138/27.6 kV three-phase transformer for substation trouble 2−23345
prediction of faults and prevention of transformer failures by gas-in-oil analysis 2−27966
predictive maintenance methods for transformers 2−27969
pulse power conditioning systems for coupling power sources to pulse power loads 2−18346
rating optimisation for growing load diagram 2−18296
repair and maintenance 2−27968
SCR convertor ccts., transformer losses estimation 2−12727
silicone filled transformers, water contamination 2−18311
silicone transformer liquid, use, maintenance and safety 2−4264
sine-cosine rotary transformer with RC-circuit, phase changer *(Russian)* 2−18319
single phase transformer in pulse mode, parameters governing operation *(French)* 2−12699
single phase transformers, inrush currents calc. 2−12697
single-phase, state model and transient anal. 2−27978
static electrification phenomenon in pressboard-transformer oil insulation system using forced oil flow 2−7907
tanks, determination of hot spots *(Hungarian)* 2−18290
testing, surge voltage and test pulse meas. *(German)* 2−27971
three winding transformer, equiv. cct. for high voltage network anal. *(German)* 2−18295
three-phase, identification of connections using current method *(Rumanian)* 2−12692
three-phase UPS transformer using stand-by inverter of a single phase 2−27974
power transformers continued
transmission and subtransmission transformer spares optimisation based on past failure rates 2−18304
ultra-high-power steel arc furnaces, transformers connection *(Czech)* 2−18292
vapour-mist dielectrics, cooling and insulating media for vapour-cooled power transformers 2−9763
welding transformer with thyristor current regulation, continuous arc-running stability 2−23805
windings, under axial short cct. conditions, dynamic response anal. 2−27976
X-ray transformer design and anal., biomedical appls. 2−17323
Al applications review in electrical engineering *(German)* 2−18301
Cu and Al windings *(Polish)* 2−18297
$Fe_{78}B_{13}Si_9$ amorphous magnetic ribbon, mag. props. and appls. 2−15136
SF_6 gas impregnated polymer film transformer insulation, partial discharge inception and extinction studies 2−7908

power transistors
alloy spike detection and charact. in power transistors using trans. acoustic microscopy 2−8910
amplifier with bandwidth 0.1-450 MHz 2−13988
bipolar, high power switching 2−9633
bipolar, HV, testing using vacuum tubes 2−20237
bipolar, modelling for CAD 2−1362
bipolar, power and energy limitations imposed by thermal-mode and current mode second breakdown 2−1353
bipolar, selection criteria for switching power supplies *(French)* 2−5110
bipolar, state-of-the-art and future developments 2−27999
bipolar variable current source using power MOSFET *(German)* 2−13946
Darlington compound transistors, using MOS and bipolar devices, transistor charact. *(French)* 2−14842
development from early bipolar types to modern power MOSFETs 2−1356
digitally-controlled DC-sinusoidal invertor for VLF transmitter appl., transistorised power module 2−18357
electromagnet currents control using power FET chopper cct. 2−5103
electronics components, operation theory, models and typical ratings *(German)* 2−1352
fault current control in power conditioning units using power transistors 2−12714
FET applications, book 2−23880
filter, dynamic voltage stabilizer for rectifier assemblies 2−720
HEXFET, direct drive and interface circuit for faster switching *(German)* 2−9647
HEXFET integral reverse rectifier, charact., appl. 2−5079
HEXFET power supply, X-ray dose tolerance 2−24393
HEXFETs in high power circuits *(German)* 2−14856
high-efficiency power switching with cascoded HEXFETs and bipolar transistors 2−14813
high-speed bipolar switching power transistor, 800 V, glass-passivated planar struct. 2−1359
high-voltage power transistors, glass passivation technology 2−14851
HV power MOSFETs design, charact. and appls. 2−25233
improved cost effectiveness and product reliability through solder alloy development 2−9339
improved technology for power transistors 2−14841
lateral double-diffused MOST, effects of drift region parameters on static properties 2−20257
LM395, adaptation for low level switching at small load currents 2−684
LM 195, review of capabilities, characteristics and applications *(French)* 2−5738
matched switching power transistors *(German)* 2−1349
MOS, application and protection in inductive load switching 2−25252
MOS power transistor, ON-resistance-breakdown voltage product theoretical limitation *(French)* 2−5752
MOSFET, gate driver design 2−1373
MOSFET, paralleling for higher power output 2−9674
MOSFET, switching performance 2−9673
MOSFET and bipoler power transistors, comparison 2−20239
MOSFET current source invertors, microcomputer controlled 2−18358
MOSFET power transistors, review of advantages and specific applications *(French)* 2−5756
MOSFET power transistors for power systems, protection *(French)* 2−20272
MOSFETS, appl. to power sources *(German)* 2−19533
MOST, saturation resistance, weak multiplication effects 2−25251
packaging, suitably for power engineering *(German)* 2−1350
PWM power transistor invertor for AC elec. vehicle drive, computerised controlled 2−18351
reverse second breakdown charact. meas. before and after neutron irradiation 2−14844
RF, unpaid on TV transmitter design 2−6904
RF solid state power system design 2−5111
S-band pulsed power transistor, used for solid-state phased-array radar 2−945
second breakdown protection of a power supply's pass transistor 2−5734
SIPMOS in combinatorial circuit elements *(German)* 2−5813
solid state ballast for mercury arc discharge lamps *(Italian)* 2−4452
surface field reduction, used for premature breakdown prevention, impulse strength measurement 2−20240
switch, temperature limited, distrib. of dissipated power, thermal coupling effect 2−5735
switching, power semiconductor devices, CKD Semiconductor products *(Czech)* 2−14824
switching cct. appls. of power FETs 2−1372
test pulse generator for power transistor time parameters meas. 2−14847
test set, microprocessor control, hardware/software tradeoffs 2−26713
traction drives for urban railways, using transistor-invertor system 2−8042
vertical double-diffused MOS power transistor drain-source resist. radiation depend. 2−14862
VMOS constant current power supply 2−713
VMOS power FET used in design of VHF power amplifier *(German)* 2−5118
VMOS power transistors for CAD, modelling of Epidrain effects 2−1387
voltage regulator, MOOSE IC fabrication structure, using high power discrete transistors 2−5089
GaAs, FET performance, rel. to material growth techniques 2−1380
GaAs integrated solid-state transmitter using dual-gate and power FETs, radar appls. 2−6860

power transistors continued
GaAs microwave power FET device and circuit technologies, advances, CAD 2—24706
GaAs power FETs, failure modes, ohmic contact electromigration and formation of refractory oxides 2—14886
GaAs power FETs, reliability and life testing 2—25237
GaAs power MESFETs prep. by metalorganic CVD 2—14857

power transmission
see also d.c. power transmission; distribution networks; transmission networks
bulk power transmission over long distances, AC and DC schemes 2—17694
dissipative four-terminal network with real matching devices, optimisation *(Bulgarian)* 2—12219
EHV single core submarine cable systems, long distance, transmission capacity calc. 2—12251
HVAC long distance power transmission with reversible static compensators 2—12231
HVAC transmission planning and related problems 2—12229
magnetic refrigeration prototype tests for superconducting technological appls. 2—17744
microprocessor-based equipment for automatic control in power generation and distribution systems 2—3716
natural gas transmission and distribution systems, demand modelling 2—22915
outage data management for bulk power transmission systems 2—12207
power networks, integral telecontrol used for large systems *(Spanish)* 2—22848
reliability indices 2—8328
satellite solar power stations, microwave power transmission, problems, solutions, and research necessary 2—18091
satellite solar power stations, microwave power transmission mechanical problems and nonlinear effects 2—18092
subsynchronous resonance with reference to Koeberg and the series-compensated transmission system 2—3737
voltages above 1 MV, prospects *(Italian)* 2—22867

power transmission line carrier systems *see carrier transmission on power lines*

power transmission lines
13.2 kV overhead transmission lines, effects of series capacitors installation on power factor and consumer voltage/power transmitted *(Spanish)* 2—22932
30 MJ superconducting magnetic energy storage for BPA transmission line stabilizer 2—7552
50 Hz AC power line harmonic anal. using NOWA harmonic analyser 2—27585
132 kV crosslinked polyethylene insulated cable installation underground in Baghdad, Iraq *(Japanese)* 2—17718
138 kV double circuit, three phase to six phase conversion 2—12276
154 kV and 275 kV gas insulated transmission lines in Japan, design, installation and tests. 2—7544
220 kV transposed transmission overhead line, sensitivity analysis 2—17750
225 kV underground power transmission cables, natural and forced cooling, comparative economic benefits *(French)* 2—22918
230 kV oil-filled cable installation in Bangkok, Thailand *(Japanese)* 2—17717
275 kV crosslinked polyethylene insulated cable and accessories, development *(Japanese)* 2—17738
400 kV transmission lines, overvoltage determ. at gap connections *(Rumanian)* 2—27534
500 kV AC transmission line, geomagnetically induced currents, effects 2—27541
500 kV line, river crossing installation aspects 2—3772
500 kV line construction problems 2—12274
500 kV transmission cable lines, Soviet Union 2—12253
500 kV transmission line, special footing design 2—12277
AC corona noise investigation 2—3768
accurate modelling of frequency-dependent transmission lines in electromagnetic transient simulations 2—22938
air terminations, lightning side stroke influences on efficiency *(Polish)* 2—3773
anti-radio noise insulator with shielded internal metal fittings for horizontal mounting on distribution lines *(Italian)* 2—27548
broadcast radio and TV interference, correction techniques for transmission line corona 2—25997
Buenos Aires province power transmission line insulators contamination, current leakage *(Spanish)* 2—22943
buried resistive power lines, SREMP effects, soil breakdown, wire vaporisation 2—27512
cable development, test laboratories at Kumagaya Works of Dainichi-Nippon Cables Ltd., in Japan *(Japanese)* 2—12248
cap and pin insulator strings, pot. distrib. calc. *(Italian)* 2—22945
circuits with distributed parameters, transients and switching operations, calc. *(Russian)* 2—7524
concrete pole foundation for 230 kV line, tests 2—7570
controlled self-compensated transmission line, computerised overvoltage analysis for single-phase switching condition 2—12222
corona performance of power transmission lines, study in environmental chamber, feasibility 2—22942
cryogenic, counterflow cooldown 2—17742
cryogenic bulk power transmission cables, feasibility study *(Japanese)* 2—17735
dielectric insulators for compressed gas insulated transmission lines 2—9802
directional protection scheme based on time-domain anal. for digital processor use 2—3792
distance protection of HV transmission lines, microprocessor appls. *(German)* 2—17759
dynamic measurement of the absolute voltage angle on long transmission lines 2—12319
effect of machine saliency on overvoltages caused by the opening of a conductor 2—3728
EHV, back-up protection equipment adjustment computing *(Czech)* 2—17770
EHV and UHV transmission lines, environmental aspects, math. model 2—3767
EHV lines, current meas. using magnetosensitive elements 2—3805
EHV SF_6 insulated transmission lines, parameters determ. based on system performance criteria 2—12245

power transmission lines continued
EHV transmission conductors, sizing and costing trends 2—3769
EHV transmission line containing controlled reactors, transient stability limit 2—3688
EHVDC transmission line in Zaire, construction problems 2—12235
ELF EM fields and health risks from HV transmission lines 2—17428
equipment radiographic examination 2—17741
faults caused by galloping, probability of occurrence, calc. 2—12215
gas-insulated busbars, used for underground power transmission in extremely cold areas *(Japanese)* 2—12252
HV *(French)* 2—12228
HV and MV line equipment testing measurement results automatic anal. *(Rumanian)* 2—3748
HVDC, statistical physical Class B model of noise process 2—27520
HVDC lines, harmonic suppression and improved mechanical props. by new conductor design *(German)* 2—3739
HVDC power transmission lines, environmental and physiological effects 2—12262
length-measuring systems, using magnetic marking for aluminium conductor steel reinforced cable 2—22385
live working at high voltages 2—7558
modelling, digital filter applic., general theory 2—22873
modelling, digital filter applic. 2—22874
multiconductor power transmission line, digital filter model 2—3770
multiphase and multicircuit power lines, asymmetry math. modelling, relay protection 2—17721
natural capacity improvement using large number of split conductors 2—27536
new transmission projects, public information dissemination 2—12174
nonconventional state models of electric transmission lines 2—27535
parameters during higher harmonics with regard to nonuniform current distrib. across conductor *(Czech)* 2—22922
prestressed concrete poles for upgrading transmission line 2—27562
props. calc. using computer to solve full transmission equations *(Norwegian)* 2—27446
protection, conditions during failure and equipment and methods used *(Croatian)* 2—27571
self-supporting pole for river crossing 2—27563
SF_6 gas-insulated power transmission systems, pre-breakdown gas discharges in highly non-uniform fields 2—12246
simple transposition scheme for three-phase overhead transmission line *(Russian)* 2—12265
single-phase auto-reclosing-philosophy and experience in South Africa 2—3749
six-phase line, protective relaying mode *(Russian)* 2—12294
six-phase systems, charact. and behaviour under fault *(Italian)* 2—7525
steel poles for Commonwealth Edison's transmission line, USA, cost savings 2—27546
strategy for transmission system development, land requirements and cost *(French)* 2—12197
striking mechanisms investigation, Schlieren methods appls. *(French)* 2—17716
surface electric field meas., miniature ELF probe 2—26835
surges due auroral electrojet activity 2—22917
switching surges, statistical distribution of the phase-phase ratio alpha 2—12268
three-phase short circuits, phase control limits *(Slovak)* 2—18324
transient behaviour of zero-sequence impedance system *(German)* 2—22876
transient voltage computation during distance fault switching *(German)* 2—17689
transmission line CAD, overhead 2—12263
UHV, French power system development forecasting *(French)* 2—12271
UHV Oku-Nikko test line *(Japanese)* 2—17715
underground, indirect pipe water cooling system *(Japanese)* 2—17729
underground power transmission cables, indirect pipe water cooling system *(Japanese)* 2—17730
underground power transmission systems, appl. of heat pipe to cooling *(Japanese)* 2—17736
underground power transmission with conductor-cooled cables *(Japanese)* 2—17734
upgrading critical transmission lines 2—7561
Nb_3Sn multifilamentary wire, fabrication for DC power transmission lines 2—9901

power transmission networks *see transmission networks*

power utilisation
see also domestic appliances; drives; environmental engineering; heating; metering; refrigeration; transportation
benefits from a greater reliance on electricity 2—12122
building energy efficiency assessment, data acquisition system 2—22199
chemical plant, N production, energy consumption monitoring, optimum utilisation *(Russian)* 2—18821
computer engineering, principles of electrical energy economics *(Czech)* 2—8097
computerised energy control system at Oxford hospital 2—18625
consumption reduction in trade and industry for cost effectiveness *(German)* 2—28263
control and monitoring system communications for effective energy use 2—12149
electric energy costs effect on industrial development and society in Germany *(German)* 2—27353
electric vehicles operating performance technical relationships, running dynamics and programmed braking *(German)* 2—28184
electricity supply industry energy consultation for optimum utilisation *(German)* 2—22810
energy management in lighting 2—28222
energy use In Minnesota state-owned facilities 2—28136
foundry, increasing quality of power supplies *(German)* 2—13104
illumination sources, energy economics *(Slovenian)* 2—28214
large digital computer loads, distrib. cct. power quality considerations 2—22908
lighting energy consumption monitoring techniques and results 2—4466
London post-war development, electrical engineer's role in local government 2—18922
multibuilding industrial facility energy management for cost effective operation 2—4593
quality of ingot heating in blooming mills expressed in terms of the electric energy consumption *(Russian)* 2—18791
residential customers, Bonus Bucks coupons put dollars in customers' pockets when they buy high efficiency equipment 2—17628

power utilisation continued
school buildings energy conservation program for reduction of power consumption *(Portuguese)* 2−23770
shearers, power transmission and control 2−18840
sugar mill max. demand monitor 2−28310
understanding energy audits 2−23929
waste water energy conservation *(Norwegian)* 2−4560

preamplifiers
aerial preamplifier on Prognoz type satellite, optimal thermal regime 2−10600
amplification of very small signals, drift and noise *(German)* 2−726
audio analyser noise source using pseudo-random electrical signal, microphone preamplifier 2−6963
charge-sensitive, correlated, semiconductor detection unit, for X-rays 2−7280
electrometer, for measurement of voltage current and resistance on high resistivity materials 2−3206
EMG preamplifier system for biomechanical studies 2−7330
PIN-GaAs FET preamplifier modules, photodetectors for 0.9 to 2.1 μm waveband 2−3168
Hi-Fi, Mitsubishi DA-P30 100dB moving coil *(German)* 2−8994
Hi-Fi preamplifier, Grundig SXV 6000 *(German)* 2−11280
LF, active selector using FET transistors appl. *(Spanish)* 2−2996
linear IC technology for programmable nonnumeric controls, preamplifier appls. *(German)* 2−19574
low noise VHF preamplifier for 2 metre amateur band wave 2−730
low-noise, for a He^3 cooled IR bolometer 2−5127
low-noise microwave receivers, radio link appls., FET preamplifier design, 2-11 GHz 2−26424
microphone, description and functioning *(Spanish)* 2−9007
monolithic AF amplifiers, computer-aided evaluation of transient intermodulation distortion 2−751
moving-coil cartridge preamplifier 2−8989
noise in linear two-ports, anal. using scattering waves 2−5121
optical broadband transimpedance preamplifiers, bipolar junction transistor and MESFET front end comparison 2−19577
photodiode circuitry and operation *(German)* 2−13980
stereo preamplifier/30 watt RMS power amplifier 2−746
strip-chart preamplifier using 441 Bi-FET op. amp 2−13976
transimpedance low noise bipolar preamplifier design for optical receivers 2−13989
TV preamplifiers with parallel negative feedback, S/N ratio *(Russian)* 2−16641
UHF ultra-low noise cryogenic FET preamplifier 2−19572
VHF preamplifiers, 144 MHz, receiver performance effects, types 2−24422
wideband preamplifier and signal processing filter for gas proportional detectors 2−27086
GaAs FET-p-i-n photodiode receiver for 1.3 micron optical fibre systems 2−2789
InGaAs pin photodiode-bipolar transimpedance preamplifier high-speed optical receiver, 1.3-1.5 μm 2−22281

precession, Earth *see Earth rotation*

precipitation, electrostatic *see electrostatic precipitators*

precipitation (atmospheric) *see atmospheric precipitation*

precipitation (meteorology) *see atmospheric precipitation*

precipitation ageing *see precipitation hardening*

precipitation annealing *see precipitation hardening*

precipitation hardening
alloy, precipitation strengthened, AE from dislocation motion 2−13889
Al and alloys, AE during deform., microstruct. effect 2−13890

prediction theory *see filtering and prediction theory*

predictive control
interconnected power system control using two-level methods 2−22843
nuclear reactor cone power density distribution, multilevel control 2−7694
welding torch tracking, preview control 2−18814

predictor-corrector methods
see also Runge-Kutta methods
No entries

presentation, technical *see technical presentation*

presentation methods, radar *see radar displays*

presintering *see sintering*

pressing, hot *see hot pressing*

pressure control
see also vacuum control
differential pressure transmitter calibration, automated test facility 2−22097
gas pressure detector, for microfiche film developer 2−3139
PHWR, press. control system in primary loops, energy consumption anal. 2−7659
TMI-2 cooldown and cleanup 2−17870
underwater acoustic electro-ceramic projector radiated pressure control by state variable feedback 2−27316
wave power, PORPISE, the buckling resonant raft 2−27808
O_2 partial press. control and meas. using stabilized ZrO_2 cell 2−11470

pressure measurement
see also vacuum measurement; vapour pressure measurement
6.9 to 69 mbar, condensable vapour meas. in dynamic isotope power system 2−22435
aerodynamic pressure meas., using temp. stabilised Wheatstone bridge circuit 2−11991
aerospace industry test methods advances, conf., Indianapolis, IN, USA (April 1981) 2−22654
blast pressure meas., near-field 2−11479
blood, arterial pressure monitoring, radiotelemetry and Remler recorder meas. 2−22522
blood, assessment of circadian rhythm in ambulatory patients 2−22539
blood pressure, continuous tape-recording, technical considerations 2−22523
blood pressure, direct meas., radiotelemetry 2−22535
blood pressure, indirect, fully automatic portable recording 2−22524
blood pressure, radiotelemetry and standard exercise tests 2−22538
blood pressure indirect measurement with two-probe US system *(German)* 2−11892
blood pressure meas., direct, in the arterial and pulmonary circulation radiotelemetry 2−22536
boiler, differential manometer and potentiometer appl. 2−26988

pressure measurement continued
bridge with capacitive transducers using coaxial cable with double shielding 2−16950
capacitive pressure gauge for use inside a sample cell 2−17171
cardiac left ventricular press. of conscious dogs, telemetry system 2−22537
detonation, using carbon and quartz gages in tandem arrangement 2−22434
differential low pressure meas., in high static line pressures 2−22267
differential pressure transmitter calibration, automated test facility 2−22097
digital techniques in pressure transmitters 2−11658
district heating plant steam turbines thermal testing 2−27728
flow direction and pressure meas., using seven-hole probes 2−22440
gas density automatic meas. system 2−7018
gas pressure detector, for microfiche film developer 2−3139
grinding mill trunnion bearings, protective instrumentation 2−26957
hot-film static-pressure probe for surveying flow fields, hypersonic wind tunnel appl. 2−22630
industrial sensors and transducers for monitoring and regulation *(German)* 2−3294
ink jet nozzle pressure measurement circuit 2−3295
intracranial pressure, batteryless on-demand-sampling active radiosonde 2−11897
intracranial pressure recording, microprocessor based analyser 2−27124
intraocular pressure, instrument for self-meas. using optoelectronic probe 2−27136
leakage detection in oil and gas pipelines, using pressure sensors *(Spanish)* 2−11389
manometer, liquid bubble, for low differential heads 2−11660
mass-filter probe, rarefied gasdynamical problems appl. *(Japanese)* 2−7232
microprocessor-based transducer charact. *(German)* 2−11475
mineral oil under external bubble injection, electrically induced pressure 2−9784
miniature silicon capacitance absolute pressure sensor, automotive appl. 2−26842
ocean bottom pressure, meas. by telemetry system at depth of 2200 m 2−17566
radioisotopic ionisation pressure gauge, for 650-1.7×10^5 Pa range 2−16939
ruby fluorescence method in diamond cell up to 0.844 Mb 2−17168
sea-bed instrument for measurement of current and pressure 2−22741
semiconductor strain gauges for meas. of pressure and pressure difference, determ. of water turbine throughput *(Czech)* 2−11454
standard, using triple point of gases in sealed cells 2−11659
steam turbine supersonic impulse cascades 2−27736
surface pressure meas. in wind tunnel model systems, review 2−17172
telecommunication cable, underground, pressurised, computerised monitoring 2−16318
thick film pressure sensors for automotive applications 2−26840
transducer state of art and appl. *(French)* 2−17170
Wheatstone bridge with carbon-manganin gauge, nuclear underground test appl. 2−22264
O_2 partial press. control and meas. using stabilized ZrO_2 cell 2−11470
Si, pressure sensor chips, improved accuracy by use of intelligent pressure transducer 2−11478

pressure sintering *see sintering*

pressure transducers
acoustically transparent, simple, reproducible pressure transducer with 18 ns rise time 2−22259
airborne stress transducer stability testing, for meas. bond stress in rocket motor 2−22660
airborne stress transducer verification for meas. stresses in solid propellant rocket motors 2−22661
Annubar averaging pilot probe, for discharge meas. 2−22445
biomedical piezoresistive type flow-through transducer 2−11888
blast pressure meas., near-field 2−11479
capacitive pressure transducer, designed into chip for biomedical appl. 2−11889
catheter-tip and sidewall miniature press. sensors using Si diaphragm, fabrication 2−22238
cooling of elec. apparatus using pressurized fluid, protection system using pressure sensor to prevent overheating 2−7079
differential, in high static line pressures 2−22267
differential, PWR coolant-level instruments 2−22443
digiquartz, sea-bed instrument for measurement of current and pressure 2−22741
electronic industrial differential pressure transducers, review *(Italian)* 2−16921
electronic scanner, microprocessor-controlled, for installation in wind-tunnel models 2−11992
fibre optic sensors for medical and electrotech. appls. using bifurcated fibre bundles 2−6031
IC capacitive press. transducer with high sensitivity 2−22237
inductive, membrane-type, with in-built electronics *(German)* 2−7076
intelligent pressure transducer for improved accuracy of Si, pressure sensor chips 2−11478
leakage detection in oil and gas pipelines, using pressure sensors *(Spanish)* 2−11389
multiport pressure sensor system, electronically scanned, for wind tunnel meas. 2−11990
piezoelectric transducers, programmable signal conditioners, data acquisition system appls., interface with lab. computer 2−11426
piezoresistive semiconductor press. sensor, nonlinear charact. anal. *(Japanese)* 2−16966
quartz crystal appl. 2−22265
quartz spiral gauge, appln. to interaction second virial coeff. meas. 2−26987
radioisotopic ionisation pressure gauge, for 650-1.7×10^5 Pa range 2−16939
sensors state of the art and appl. *(French)* 2−17170
solid state pressure sensor, SENSIM simulation program 2−22235
spark ignition engines, knock control 2−28206
strain gauge type, using Si chip *(Dutch)* 2−11432
surface pressure meas. in wind tunnel model systems, review 2−17172
thermally stable transducers for pressure recording/ in diesel engines/ *(Russian)* 2−3118
thick film 2−22229

pressure transducers continued
thick film hybrid IC amplifier for press. transducer using low TCR resistor pastes 2−20000
US, aerodynamic pressure meas., using temp. stabilised Wheatstone bridge circuit 2−11991
Ge p-n junction, avalanche breakdown voltage, pressure depend. 2−14673
Si capacitive pressure transducer with low temp. sensitivity, batch fabricated 2−22236
Si p-n junction, avalanche breakdown voltage, pressure depend. 2−14673
Si piezoresistive fluid pressure transducers, Honeywell 200 PC Series, 0-1700 kPa in two ranges 2−16929

pressure vessels
BWR pressure vessels in-service inspection, focused search units 2−23049
fission reactor pressure vessels, general design criteria given by ASME code *(Croatian)* 2−12362
high power high temp. reactor, design concepts with process steam exchanger *(German)* 2−12403
high temperature reactor, construction planning concepts *(German)* 2−12402
inservice inspections using acoustic holography methods 2−127
Koeberg nuclear power station, in South Africa, erection progress report 2−12351
LWR containment vessel improvement concepts, review 2−17903
nuclear power station concrete press. vessel., 20 MN breaking load tension member development *(German)* 2−7639
nuclear reactor accident, aerosol coagulation, deposition and leakage, scale modelling 2−7643
nuclear reactor containment vessel, steel linear design against rupture 2−7661
PWR, compressibility and added masses in blowdown anal. *(German)* 2−7645
steel, pressurised water reactor, review of AE appl. 2−8870
Tandar project, 20 MV electrostatic accelerator development 2−11728
TMI-2 core/vessel/shield configuration, neutron spectral shift effects evaluation 2−17896
van de Graaff generator spark channel characts. 2−11685

primary cells
battery separators, SC family from RAI Research Corp. 2−12776
electronic watch power supplies, primary, secondary and solar cell appls. *(Czech)* 2−4328
impedance measurements during the cycling of a zinc electrode 2−18426
Leclanche, ponderation sequence *(French)* 2−18427
Leclanche-type dry test cell, Mn nodule insertion, cathodic activity 2−18419
mathematical life model for synchronous orbit 2−17506
nonaqueous electrolyte solutions for ambient-temperature lithium batteries 2−12777
small batteries, new designs 2−18428
solid fluorides as electrolytes, preliminary studies *(French)* 2−12775
thermoelectric EMF of battery grade manganese dioxide 2−23405
Al anode battery, anode polarisation, pulsating current effects 2−28085
Al applications review in electrical engineering *(German)* 2−18301
Al-oxygen, high-capacity, using strongly alkaline electrolytes, characts. *(German)* 2−7965
$Ca/BiO_{0.1}F_{2.8}$ solid-state galvanic cells 2−18429
$Ca/LiClO_4$-$LiNO_3$ thermal battery cells, high rate discharge 2−18422
$Ca/SOCl_2$ high-rate reserve cell 2−7969
$Ca_{1-x}R_x/BiO_{0.1}F_{2.8}$ (R=Yb, La), solid-state galvanic cells 2−18429
$Ca_{1-x}Yb_x/BiO_{0.1}F_{2.8}$ solid-state batteries with alloy anodes 2−7966
Hg-Zn batteries and cells voltage monitoring 2−17065
Li anode battery systems, review of advantages and appls. 2−7971
Li anode primary cells, typical systems, appls. and comparison with other available batteries, review 2−4329
Li, BrCl cathode component 2−18423
Li cells as standby power supply for volatile memories 2−4327
Li miniature batteries development, precise microtechnique appl. 2−28083
Li nonaqueous cells, primary and secondary, anode passivation 2−28084
Li/Cl_2 in SO_2Cl_2, D cell discharge characts. 2−7967
Li/MnO_2 battery systems, properties and advantages 2−7970
Li/SO_2 battery systems, properties and advantages 2−7970
$Li/SOCl_2$ cathode-limited cells, ambient temp. discharge characts. 2−28086
Li/solid electrolyte battery systems, properties and advantages 2−7970
$Li\text{-}Si/FeS_2$ primary cell, reactive interface materials characterisation 2−7968
$Mg\text{-}MnO_2$, cupric, tests 2−18424
Mn-Zn batteries and cells voltage monitoring 2−17065
MnO_2 electrodes, Li insertion stoichiometry 2−18420
MnO_2, in $ZnCl_2$ cell, particle size distrib. effect on performance 2−18421
Zn-air batteries, state-of-the-art review 2−12774
Zn-Cl, high current density organic electrosynthesis 2−18425
$Zn\text{-}MnO_2$, impedance data anal. 2−23404
$ZnCl_2$ cell, MnO_2, particle size distrib. effect on performance 2−18421

printed circuit motors
No entries

printed circuits
1,2-polybutadiene laminate, flame retardant for high density multilayer printed wiring boards 2−19464
analogue/digital GPIB based PCB test system 2−22099
antennas for car windscreens *(Spanish)* 2−4446
aqueous cleaning, environmental considerations 2−14516
artwork, CAD and design automation (routing) systems, timeshared implementation 2−5433
artwork, laser controlled high density photoplotting onto glass media 2−24779
artwork generation, review of development from manual to automated techniques 2−14393
artwork measurement, automatic optical inspection, Validator Optical Edge Finder System 2−16843
assembled printed boards, testing *(German)* 2−1011
assembly, non-wetting and de-wetting of solder to plain laminate, inspection 2−24786
assembly and testing using automatic insertion and ATE 2−24803
assembly line maintenance, selection and training of technical staff 2−14498
ATE, continuity/shorts testing in high-volume appls. 2−16839
ATE PCB guided current probing method, using Flo-Tracer system 2−7015
audio input mixing desk constructed on one PCB 2−2976

printed circuits continued
automated batch vapour defluxing and wave soldering of PCB assemblies 2−24813
automated cct. design 2−5061
automated routing, CAD and design automation techniques and appls. 2−5435
automatic assembly, component insertion, post processor software generated programs 2−14499
automatic component insertion, PCB design and specification 2−14400
automatic component insertion, programmed control of parts dispenser machine 2−5421
automatic component lead trimming methods and materials, wave soldering trends 2−14432
automatic drill, used for PCB manufacture 2−19977
automatic insertion technology with on-line testing and optical inspection 2−14514
automatic insertion using belted components *(German)* 2−14406
automatic layout on minicomputers, target-oriented line search method *(Chinese)* 2−9292
automatic mounting of chip components on PCBs *(German)* 2−14407
automatic PC soldering, solder dynamics optimisation, reduction of icicle/bridge form. 2−19964
automatic production system for circuit boards with universal hybrid integrated circuits 2−1071
automatic routing system for single-layer printed wiring boards 2−24778
automatic soldering unit for PCBs using immersion-drawing technique 2−19981
automatic wire trackers 2−1019
automation in electronics, automation for PCB handling 2−24804
Autoplacement board layout design automation tool 2−5436
axial components, economics of 100% test of incoming inspection 2−74
back board ordering with channel capacity constraint, optimisation 2−19948
bare PCB ATE for manufacturing facility 2−14459
bare PCB testing, importance to end user 2−14512
board density increase by using leadless chip carriers and components 2−1015
board layout, digitization system, CAD software, SUPER APRICOT program 2−14394
board pretreatment, chemical method 2−19971
board prototyping systems 2−9261
boards, manufacturers QC procedures 2−24791
building block design of flow mechanised lines for fluidic treatment of printed circuit boards *(Russian)* 2−9703
CAD, algorithm 2−19954
CAD, interactive system choice 2−1014
CAD, productivity improvement, do-it-yourself cost analysis plan 2−14385
CAD of PCBs *(German)* 2−14387
CAD of printed circuit boards *(German)* 2−19942
CAD of printed circuits *(German)* 2−19943
CAD/ATE systems, interrelationships and interfaces 2−5458
CAD/CAM, gains in printed circuit design and production 2−19947
CAD/CAM system specifications 2−19949
CAD/CAM systems, appl. for productivity improvement, future problems 2−5428
CAD/CAM systems used for PCBs 2−19950
card and board layout, IBM 4341 processor 2−1023
card package with card-retention offset from latching mechanism 2−92
card testers interfaces evaluation 2−19941
chip-carrier PCB requirements *(Swedish)* 2−23994
circuit board guide, used for mounting PCs 2−19986
circuit boards, PCB, Veroboard, technology 2−14360
circuit layout CAD, review 2−5068
cleaning during production utilizing organic solvents and water 2−14487
cleaning methods, aqueous, chlorinated solvent and fluorinated solvent techniques, cost comparison 2−5450
cleaning process for removal of rosin, modified rosin, and organic acid fluxes 2−14496
cleaning systems, use of resistivity meters 2−19968
coating-thickness meas. 2−14403
composite epoxy laminates, for plated through hole circuit boards 2−19940
computer module rework and repair process for fully-populated board 2−5422
computer PCB manufacture, solderability/cleanability requirements of water soluble fluxes vs. rosins 2−14507
computer PCB physical parameter verification, graphical interface appl., identification of net design errors 2−1024
computer-aided design of PCB layouts 2−14388
computerised PCB design systems, facilities available 2−5430
conference, London, England (June 1978) 2−13160
conference, Munich, Germany (June 1981) 2−14368
conference, New York, NY, USA (Jun. 1981) 2−18862
contact pools, excess solder removal whilst in molten state using squeegee system 2−24780
contact spring insertion template system 2−24784
cotter pin terminals, used for PCBs soldered connections 2−9323
covered electric connections on PCBs, semi-automatic execution with programmable assembly station 2−19980
crystal filter network assembly electrical surface flatness gauge 2−20471
cylindrical capacitor retention system for PCBs 2−14517
day film photoresists, factors affecting fine line reproduction 2−24785
decapsulation of silicone potted electronic assemblies by US stirring, failure analysis appl. 2−4662
design, manufacture, components and assembly, book 2−4569
design and manufacture advances 2−14362
design productivity improvement using CAD/CAM system 2−5432
design rel. to soldering and defective component unsoldering 2−9299
detergent cleaning of FR-4 test coupons, reliability testing 2−14492
digital, self-test method, features and implementation 2−19610
digital, test fixture noise reduction 2−3047
digital cct. error diagnosis, computer programs *(German)* 2−5420
digital logic circuit grounding and interconnection, layout guidelines 2−19953
digital PCB functional testing using vacuum fixtures 2−14513
dipole antenna theory, for millimetre waves 2−26058
drilling analysis, SEM appl. 2−9313
drilling energy monitor, on-line system, signal generation for corrective action 2−9315
drilling of high density printed circuit boards using CO_2 laser 2−1043

printed circuits continued
drilling technology fundamentals 2−9312
dry film photoresist developers, correl. between solvent inhibitor formulation and processing problems 2−5460
dry film photoresist performance prediction by resist sidewall anal. 2−14441
dry film solder masks using negative working photopolymer 2−14436
dust cover seal for edge connector in printed circuit boards 2−13292
ECG standard-patient belt using flexible PCB's 2−11930
edge connector plating operation, automatic equipment 2−14519
edge-connectors, Au plating technology 2−14518
edgeboard connectors, Sn-Pb contact finish 2−14520
edgeboard interconnectors characts. 2−5472
educational courses in PCB technology at Technische Fachhochschule, Berlin 2−13204
electrical/electronics insulation, conf., Chicago, IL, USA (Oct. 1981) 2−18872
electrochemical etching, ELO-CHEM process development 2−14452
electroless Cu bath, continuous regeneration by electromembrane cell 2−24792
electrolytic corrosion effects, insulation resist. meas. of laminate following humidity cycling 2−14455
electronic design automation, conf., London, England (Sept. 1981) 2−18
electronic industry component assembly process survey *(German)* 2−1082
electronic scanning facsimile apparatus *(French)* 2−21492
electroplating, automatic control of stabilized electroless Cu solns., Cuposit controller 2−5451
electroplating lines, microprocessor control of hoists and rectifiers 2−24810
electroplating processing solns., contaminent removal 2−5448
EM field calc. rel. to EMC problems 2−21150
EMC design of PCBs/backplanes, common-impedance coupling, characteristic impedance control, multilayer wirewrap boards 2−5434
epoxy glass based laminate PDR 100, additive production system 2−14430
epoxy-glass FR-4 PCB, conductive anodic filament growth 2−14374
epoxy-resin laminate, curing with different ratios of benzyldimethylamine/dicyandiamide 2−14428
epoxy/glass laminate, punchable grade, high performance, use in high-quality electronic assemblies 2−14426
etching, electrolytic regeneration of etching solns. 2−14449
etching, role of electrolysis in the regeneration of and the recovery of metal from etching solutions 2−18815
etching PCB without using darkroom 2−19982
etching productivity increase, mech. and chem. factors 2−24811
etching techniques for high density boards−processing parameters for etch-back and chemical cleaning of multilayer boards 2−14442
etching using alkali and acidic etchants, waste rinse water management and recycling 2−14484
etching/electrometallization processes, water and waste water treatment, ion exchangers and reverse osmosis 2−14485
fine line board, challenge 2−14369
fine line imaging, resist channel formation, uniform width, process definition/control 2−14505
fine line reproduction in dry film photoresists, chemical makeup of resist 2−24788
fine-line PCB exposure equipment update, present and new technologies 2−19963
flex-rigid packaging scheme using combination of rigid PCBs connected with printed flexible cables 2−4663
flexible, three-dimens. interconnection system, development, manufacture and possible future appls. 2−1012
flexible circuits 2−14389
flexible circuits using a polyimide film substrate 2−19937
flexible output tabs for laminar buses [PCBs] 2−1044
flexible PCB design rel. to flexural strength, optimisation, statistical evaluation 2−14392
flexible printed circuitry, electroforming process 2−24789
flexible printed wiring board interconnection using gold dot system, airborne electronics appls. 2−14378
flexible PWBs, high-volume production 2−14429
functional PCB testing, increased throughput 2−19965
functional testers for PCBs 2−14363
fusing electrodeposited Sn-Pb coatings on PCs by focused infrared radiation 2−24793
gas plasma desmearing and etch-back techniques for multilayer boards 2−14443
glass fibre epoxy laminates, water absorption, accelerated ageing test rel. to elec. and phys. props. 2−14454
glass silk-polymer composite materials for printed circuit boards, optimisation of properties *(German)* 2−615
glass tooling in PCB imaging, nature of glass 2−24800
hand assembly, economies, appl. of lessons learned in auto-insertion 2−5423
hand assembly, new concepts 2−24802
handling, MOBOT robots and appls. 2−5456
hardware structure for testing ICs and PC cards using K1510 microcomputer *(German)* 2−11356
heuristic algorithms for rectilinear Steiner trees 2−19935
high density PCB prod., influence of phys., chem., hydraulic etching process parameters 2−19958
high density PCBs, high quality mass soldering 2−14409
high moisture environments effect on insulation, filamentary growth 2−14373
high speed digital design, interconnection effects on cct. performance 2−14396
high-density Al plate core PWBs, elec. and thermal props., heat dissipation advantages 2−14375
high-density imaging, Image Plane Plate glass photo tool development in photomask technology 2−5439
high-density PCB manufacture, laser imaging 2−5441
high-density PCB manufacture, liquid negative working photoresists, state-of-the-art 2−5462
high-density PWB production, etching parameters, effect on process 2−14470
high-grade semi-finishes for modern electronics, PBC Cu foil and laminates *(German)* 2−19975
high-quality PCB manufacture, very large scale production factory, automated process control, batch capabilities 2−14474
high-volume cross-sectional evaluation, quality control, consideration of planning factors 2−14457
printed circuits continued
high-volume multilayer production using mass lamination techniques 2−14424
history of printed wiring technology 2−14370
hybrid PCB test, bed-of-nails ATE fixturing techniques 2−16842
IC arrangement on printed circuit plates, algorithm and program *(Bulgarian)* 2−9295
IC memory modules, placement in same substrate area 2−23996
IC packaging panels, socketing for chip carriers, stitch-wire and BONDEX solder reflow for discrete wiring of PWBs 2−14377
IC packaging technology for electronic analogue watches, flip-chip technique using PCB substrate 2−20008
Image Plane Plate, highly durable glass photo tool 2−24801
imaging, polyester photographic films with good size retention props. 2−5464
imaging technique, using dry film over unscrubbed electroless copper 2−9307
immersion solder process, life and effectiveness determ. of glycerin/EDTA 2−4648
in-circuit and functional testing of PWBs, automatic signal tracing facility 2−23987
in-circuit automatic test systems for PCB 2−11344
in-circuit test systems, bed-of-nails, test program 2−16790
in-circuit test systems capabilities and implementation 2−8261
in-circuit test techniques applied to complex digital assemblies 2−19955
in-circuit testing, testability requirements 2−4680
in-circuit testing of complex analogue and digital components, efficient programming approach 2−9289
inspection using spring probes 2−13299
insulation resistance between conductive paths rel. to use of water-soluble fluxes in soldering 2−14478
interconnection and packaging systems using PCBs, manufacturing techniques 2−19962
interconnection in digital computers, cable consideration as transmission line 2−13296
interconnection methods for demanding LSI system designs 2−14390
ion chromatography appls. environmental anal., industrial hygiene and process control 2−5425
ionic contamination source detect. and isolation on printed-wiring assemblies 2−14415
IPC Multi-Purpose Test Pattern B-25 meas. of dimensional and elec. characts., quality control 2−14395
IR furnace systems, solder fusing and other applications 2−18758
IR fusing and board cleaning 2−24812
Josephson technology, engineering change wiring modifications 2−15247
laminate manufacture, high-quality analytical testing 2−14420
laminate punchability, laboratory tests 2−14376
laminate punching tests, material composition evaluation, through-hole generation mechanics 2−14458
laminates, capacitance of conductors when separated by dielec. material, 'hook' effect 2−14367
laminates, composite epoxy materials, technical update 2−5442
laminates, punchability prediction 2−14402
laminates, thermal behaviour, performance rel. to temp. exposure 2−14410
laminates reinforced with fibre glass textile yarns, impact on industry 2−14488
laminates with Cu foil cladding, evolution, various types 2−14479
LAMPAC printed wiring board for high-density cct. packaging 2−14391
laser pattern generator imaging machine, using computer control 2−9308
layout, review of CAD techniques *(German)* 2−14383
layout CAD, automatic routing, checking programs, overview 2−9297
layout of power and earth lines for high speed digital logic 2−14397
layout rel. to future development of electronic component technology 2−9300
loaded PCB test defect reporting system, computerised system 2−16840
logic functional level simulation in FANSIM3 2−1436
long-term hydrolytic stability of PC materials 2−14417
low-resistance continuity tester 2−4640
LSI interconnect PCB technology, trackability prediction 2−1021
manufacture, additive process adaption for metal core boards and unclad laminates 2−14422
manufacture, automatic punch presses for piercing of registration holes 2−1026
manufacture, cleaners, activators and fluxes, effective use 2−14476
manufacture, complex formers and appls., effluent water treatment for separation of metal precipitates 2−14486
manufacture, cost effective use of previous metals 2−14482
manufacture, Cu-clad material, micro-technique appls. 2−9316
manufacture, development in USSR *(Russian)* 2−9701
manufacture, electroless Cu plating, water pollution minimisation 2−14480
manufacture, liquid photopolymer resists. and solder masks, PROBIMER 48/52 products 2−14464
manufacture, non-rosin based soldering chemicals, recent developments 2−14504
manufacture, UV liquid photoresist, photographic imaging, new process 2−5461
manufacture, vertical continuous processing for photoresist removal and Cu etching, chemical methods 2−5449
manufacture from photographic masters, techniques and processes 2−9311
manufacturing optimisation methods *(Russian)* 2−9702
manufacturing process, modules, interactive on-line paperless system 2−14511
mass moulding techniques, production capability and facilities 2−5446
master artwork production, technology 2−19951
material requirements planning systems, for PCB production 2−18979
memory boards, effective layout strategy for circuit noise reduction 2−14386
metal core PWBs and Multiwire boards, fabrication methods, advantages 2−14469
metal electrode face bonding for PCBs 2−14405
microcracks removing in PCBs by baking 2−1030
microelectronics, conf., Tokyo, Japan (May 1980) 2−5
microelectronics interconnection overview 2−14371
microprocessor boards testing techniques review 2−5259
microprocessor controlled digital test subsystem tailored to automatic test program generator output 2−26764
microwave filters, conf., London, England (Jan. 1982) 2−23898
microwave filters, coupled line, 10%-100% bandwidth coverage 2−24583

printed circuits continued
MIL-M-38510 finishes for microelectronic components 2—24790
modular laminar bus for PCBs, high current carrying 2—5468
module pin/line cct. capacitance meas. test fixture, interface with bridge instrument 2—19936
MPU-based system testing, review of strategies 2—5763
multi-lead electrical cable, heat treatment for foam insulation 2—977
multi-level testing of complex assemblies 2—26729
multi-purpose stiffener for use on PCB, precision-machined fabrication 2—1046
multilayer, black oxide processing, chemical conversion of surfaces of interlayers 2—14510
multilayer, dimens. stability test method, systematic approach 2—24794
multilayer, mass lamination technology 2—14509
multilayer, new developments in design construction 2—14398
multilayer board assembly reliability rel. to design, accelerated life testing 2—14399
multilayer circuit board technology trends for the 80s 2—14372
multilayer lamination methods and constructions 2—14489
multilayer materials, genesis 2—24796
multilayer PC backplanes wiring, automatic routing 2—9293
multilayer PCB desmear and etchback using dry gas plasma methods, automated operation 2—9320
multilayer PCB fabrication, process control parameters and facilities 2—14427
multilayer PCB fabrication using fine line techniques 2—14468
multilayer PCB IR solder reflow, elimination of blistering and delamination 2—14465
multilayer PCB lamination, silicone rubber composite press pad appls. 2—5452
multilayer PCB manufacture, dimensional instability problem, possible solns. 2—14456
multilayer PCB manufacture, precision tolerance, high-speed electroforming machine and process 2—5440
multilayer PCB plated-through-hole reliability, effect of drilled hole wall quality and Cu plating thickness 2—9314
multilayer PCB processing, dimension changes 2—14425
multilayer PCB production, dimensional stability of laminates, production tests 2—19983
multilayer PCBs, evaluation, manufacture and appls. 2—14381
multilayer PCBs, French method for producing prototype *(Swedish)* 2—19969
multilayer PCBs, future technology trends 2—14366
multilayer plated-through-hole PCBs, hydrophobic seal for damaged PC board laminate/ 2—1031
multilayer printed wiring boards, delamination resistance optimisation 2—9309
multilayer PWB electrodeposition control, $Cu_4P_2O_7$ electrolyte, manufacturing technology 2—14451
multilayered PCBs, Integrated Thermal Avionic Design, min. life cycle cost 2—9298
multiwire board plated through hole manufacture by catalytic seeding and electroless Cu plating 2—19972
multiwire circuit boards, wire bonding adhesive 2—19973
narrowband microwave filters, printed cct. realisation 2—24584
non-precious metal catalyst for through-hole plating in PCBs 2—14404
nondestructive through-hole Cu thickness meas., probe design, 4-point microresist. technique 2—5426
off-contact exposure of interconnections, UV collimated light source 2—5438
optical testing of computer circuitry 2—13272
packaging and production, conf., Anaheim, CA, USA (Feb. 1981) 2—24001
PANASERT automated parts insertion machines 2—18991
paper laminates, improved designs 2—14419
PCB, designing to testability, optimisation of interface with ATE 2—1016
PCB, semi automatic component insertion equipment 2—19974
PCB artwork CAD system for improved production 2—1017
PCB artwork generation, automated systems 2—19944
PCB assemblies, design and manufacture, correct assembly techniques 2—1028
PCB computerized design systems, operation and specific user needs 2—1013
PCB design guidelines for automatic component insertion 2—9294
PCB desoldering, factors affecting success 2—9284
PCB fabrication, baking photoresist after exposure but prior to developing to improve adhesion 2—1033
PCB fabrication, for LSI circuits, using electroforming techniques and chemical etching 2—9303
PCB fabrication technique, epoxy glass laminates, curing, photoresist exposure and development, electroless Cu plating 2—1034
PCB in-circuit testers, high-reliability test appl. 2—9287
PCB in-circuit testing, design for testability rules elimination 2—5429
PCB in-circuit testing interface requirements and a design approach 2—9286
PCB interfacing to ATE, using bed-of-nails techniques 2—9291
PCB manufacture, connectors aligning and terminating 2—1042
PCB manufacture, electrodeposit props. and electroplating stages 2—19961
PCB manufacture, eval. of automatic testing equipment 2—1029
PCB manufacture, static control system improves quality reduces costs 2—14401
PCB manufacture, subtractive, metal resist. semi-additive and multilayer techniques, review *(German)* 2—1037
PCB manufacturing facilities, management data processing considerations 2—1025
PCB processing using aqueous-type photoresist, absolute control of developer/stripper solns. bleed and feed method 2—1032
PCB production, training course 2—13205
PCB production systems, using microprocessor control, soldering, testing 2—19979
PCB sales and marketing 2—19934
PCB terminal connectors, 60 to 220 V range *(Bulgarian)* 2—5465
PCB testing, ATE requirements and capabilities, user's viewpoint 2—9310
PCB testing, user requirements for dynamic high speed functional tester 2—9290
PCB/thermal compression cooled module interface using spring array carrier, reverse pin guidance system 2—1045
PCBs, high density metal core, elec. and thermal props. eval. 2—19957
PCBs, mechanical cleaning 2—19967
PCBs, semi-automatic assembly 2—19978
printed circuits continued
PCBs 2—1035
PCBs 'product test plan' preparation procedure 2—19985
PCBs alternative test strategies economic comparison using quality curves 2—19984
performance improvements in potentiometers and trimmers 2—14311
permanent photopolymer dry film solder mask coatings for high-density PWB designs 2—14437
photochemical image formation process for high density PCBs 2—1027
photocomposer product of masks for thin film printed cct. patterns 2—9305
photopolymerisable epoxy resins, PCB technology appls. 2—14418
photoresist sidewall form. rel. to conducting path manufacture during electroplating process 2—14515
photosensitive dielectric stripper 2—24781
plastic plug for epoxy hole fill process 2—5466
plastic protective film conformal coatings for PC assemblies 2—24787
plating installations, continuous electrolytic recovery of precious metals, economics 2—14421
plating shops, pollution control and resource recovery 2—5447
polyimide thin coating for protecting repair wires on printed circuit boards 2—5437
polymer thick-film technology, circuit board fabrication 2—24836
polysulfone thermoplastic PCBs for high-freq. appls. 2—14461
polysulphone circuitry for HF appl., microwave dielectric props., multilayer prod. 2—19933
porcelain coated metal substrates, for electronic circuitry 2—19938
porcelain enamel substrates for printed circuit board materials 2—5445
porcelain enamelled steel PC boards, finite elements anal. of stresses and thermal flow 2—1041
porcelain-coated-steel electronic substrates, composition and props. 2—5487
porcelain-enameled steel printed wiring boards 2—19956
porcelain-enamelled PCBs, manufacturing steps in production 2—1038
porcelainized-steel-substrate hybrid cct. module, design, construction and evaluation 2—5496
precise imaging technique using glassmasters and Diazo photo-tools 2—14495
precision etching using edge protection effect, benzotriazole agents 2—9317
precision photography, characts. technology 2—19976
precision solder masks using liquid epoxy photopolymer 2—14413
prepreg optimization for high-temp. performance 2—14472
prerouting analysis of printed circuit boards 2—14384
primary imaging, total aqueous developed dry film photoresists, costs and performance advantages 2—5463
production line operator training for printed wiring assembly manufacture 2—14493
program vias at standard hole locations to increase card wirability 2—19945
protective coating for outside use environment 2—14365
protective solder coating thickness considerations for hot gas levelling 2—14433
punched laminate parts, perforator force meas. during piercing operation 2—5454
PWB aqueous cleaning procedures for high reliability appls. 2—14497
PWB automatic component insertion, overview 2—14500
PWB conformal coating repair techniques for USAF electronic systems 2—14379
PWB fabrication, semi-additive and ultra-thin Cu-clad technology 2—14423
PWB manufacturing technology, use of conformal coating/solder maskant systems for simple maintainability 2—14508
PWB repair, organization in factor and field, overview 2—5424
quality control during PCB manufacture 2—9302
quasi-optimal distrib. of electronic components, PCB for computer *(Spanish)* 2—19952
rack plating process, savings in consumption of chemicals and rinse water 2—14483
RCA porcelain-coated steel substrates, fabrication of large-area thick-film hybrid ccts. 2—5490
RCA porcelain-enamelled steel PCBs, elec. props., review 2—1039
RCA porcelain-enamelled-steel PC boards, mechanical props. 2—1040
real-time holography of PCs 2—10382
Redac PCB CAD system, tailoring to suit requirements of customer 2—9301
reflow soldering machine using transverse Joulean heating, mass termination appls. 2—14491
registration hole punches for multilayer manufacture 2—24809
reiterative automatic placement and tracking (RAPT) for PCB 2—1022
repair and testing approaches for printed circuit boards 2—4684
resist printing, CIRTRAK system for screenless image transfer 2—14494
resist printing with /thermomagnetography/ 2—14439
resist stripping process, US appl. 2—14506
resistless imaging process for full additive printed wiring boards 2—14440
retainer/extractor card holder for locking PCB to guidance framework 2—24815
rework by local through-hole plating of individual defective holes 2—14466
rigid flex multilayer PCB fabrication, typical system 2—14475
rigid flexible multilayer PWB fabrication, resolution of problems in process by SEM and chromatography 2—14467
rigid glass epoxy laminates, composition and processing 2—14490
rigid PCB manufacture, PD-R additive process, selective exposure and electroless plating 2—14411
rigid/flexible PCBs, plasma etching, drill smear removal 2—19966
rolling mill clamping mechanism DDC *(Russian)* 2—28268
screen printing, practical use of stencils in fabrication techniques 2—14503
screen printing stencil manufacture, wet direct concept 2—14502
screen printing with UV curable resists 2—5459
screenmaking, stencil types, transfer, hybrid and all liquid, instructions for prep. 2—14501
seeder with high Pd conc. 2—24782
semiconductor packaging and interconnection of new generation of ICs 2—14893
separable connectors for printed wiring boards, factors influencing thin-Au performance 2—24773
shelf life solderability maintenance by air levelling 2—14435
silicone protective coating material 2—14380

printed circuits continued
single-layer boards, package and wiring density increase *(German)* 2−9296
small-scale manufacture and repair with selective plating 2−14416
soft-soldering problems, anal. at academic research laboratory 2−14447
solder, wetting properties, effect of metallic impurities 2−14434
solder adhesion reliability, oxide particle accumulation at solder-Cu interface, ageing tests 2−5457
solder fusion, IR system, Sn/Pb plating on PWBs 2−9318
solder joint inspection on PCBs using laser-pulse heat injection and IR thermal sensing 2−9322
solder mask appl., silk screening and dry film process, comparison 2−5455
solder-coater-levelling, hot-air techniques, Schmid SCL System 2−14463
solderability test methods of plated through holes *(Hungarian)* 2−14408
soldering, effects of water soluble flux materials on cct. board insulation resist. 2−24807
soldering, flux choice criterion rel. to reliability 2−9319
soldering and cleaning productivity using cost-effective solvent soluble manufacturing aids 2−24814
soldering chip carrier assemblies in 1980s 2−14444
soldering clinched-lead PWB components, mechanical connections 2−9306
soldering performance of fluxes for PCB wave soldering 2−24805
soldering using colophony-base fluxes, effectiveness, board insulation resistance effects 2−14477
standards for PCBs 2−9283
strip-line linear-phase filter using capacitively-coupled resonator chains, planar PC appl. 2−24673
stud-mounted diodes mounting to PCBs using heat sink 2−5469
subminiature relays for PCB appl. *(Dutch)* 2−5399
substrates for microwave device technology 2−24777
surface mounted component substrates, VLSI device packages and surface attachment methods 2−19932
surface treatment of Cu-clad laminates, electron microscope exam. 2−19959
technology of manufacture and appls. 2−14361
test defect data logging system based on Sperry-Univac 1182-mainframe for PC assemblies 2−22062
test instrumentation, DMM appl. 2−17013
testing contact slot, using screwdriver connection 2−19939
testing PCBs containing microprocessors 2−9285
Testomat-C, digital telephony PCBs testing *(Hungarian)* 2−7006
thermal analysis of printed circuits having hybrid ICs *(Hungarian)* 2−19970
thick film multilayer boards, chip carriers mounting 2−1077
thin film module pacakge, 45 degree wiring layers for chips mounted on ceramic substrate 2−4659
threaded repair spring contact for PCBs 2−5467
three dimensional PCBs 2−20357
through-plated PCB manufacture, Cu microthin layer laminates 2−14414
training in PCB technology 2−14438
transistor lead-forming tool, used to improve solder joints in PCBs 2−25207
Universal PC-board Tester, system and operation 2−16823
universal routing algorithm with automatic necking for designing dense PCD 2−1020
UV curable solder masks, optimum performance attainment, review 2−14412
UV exposure systems for contact and off-contact systems 2−24808
uV radiation curable conformal coatings for printed circuit assemblies 2−14462
vapour-phase chip carrier removal 2−1036
vibrotransducer, miniature capacitive, for PCB mechanical oscill. amplitude meas. *(Russian)* 2−26833
VLSI testing, conf. Philadelphia, PA, USA, October 27-29 (1981) 2−18875
warpage measurement, comparison of use-related and conventional methods, BELLPAC packaging system appls. 2−5427
wave soldered, troubleshooting chart 2−19960
wave soldering, practical approach, return to basics 2−24798
wave soldering machine for PCBs *(Hungarian)* 2−28286
wave soldering optimization 2−24797
wave soldering process load centers and quality improvement for fine line PCBs 2−24799
wave soldering with air-knife, GBS system 2−14445
wave-soldering, high efficiency with noncorrosive rosin fluxes 2−14446
wave-soldering, non-rosin based fluxes, developments 2−14448
wire wrapping and crimping techniques *(German)* 2−8264
wiring plane design for PCBs 2−19946
Ag- coated glass spheres for PCB, screen printing, curing and appls. 2−5443
Au electroplating process, cost reduction programme, thickness meas., scrap handling and reclaim 2−14453
Au, savings on materials used in electronics technology for telecommunications *(Japanese)* 2−13852
CO_2 laser microsoldering, for PCB components using microprocessor control 2−9304
CO_2 laser microsoldering 2−24806
Cu and Al wires in wire-wrap and slit-clamp connectors on printed board, contact charact. *(German)* 2−14364
Cu electrodeposited foil for needs of 80s 2−24795
Cu electroless plating system using differential plating for fast plating in holes 2−14450
Cu foil electroplating, effect of manufacturing parameters on ductility/tensile strength of board 2−14481
Cu foils, electrodeposited high-quality coatings for PC appls. 2−14473
Cu foils, ultra-thin PCB material development, fine-line circuitry production 2−14460
Cu foils in PCB 2−9321
Cu oxide undercut during wet processing of multilayer PCBs 2−5453
Cu-Zr alloy for PC industry, props. and handling charact. 2−5444
Ni electroplating, metal distrib., deposit quality 2−14471
Sn coating, penetrating low temp. immersion Sn formulation 2−24783
Sn immersion coating, etch resist and protective layer appls. 2−14431

printers
digital, matching to digital meas. instruments 2−16920
Domino Unijet Ink Jet Printer 2−21050
electrophotographic, description of operation *(Japanese)* 2−21040
electrostatic, for desktop facsimile transceivers 2−16082
electrostatic printer/plotters, line quality improvements 2−21056

printers continued
electrostatic printing apparatus using positive recording voltage, elimination of missing dots 2−21042
facsimile, image coding for non-impact printing 2−16083
high speed magnetic printer, performance 2−15670
IC motor drive system for daisy-wheel printers and typewriters *(Swedish)* 2−18629
impact, print wire actuator tester 2−23980
impact printer, print hammer settle control 2−19632
ink jet, electric charge type, electric field type, description *(Japanese)* 2−21039
ink jet nozzle pressure measurement circuit 2−3295
ink jet printers, in situ detection of defects in nozzles, method 2−24343
integrated display/printer equipment for the office of the future 2−16869
Kanji, control performance improvement, data communications appl. *(Japanese)* 2−6586
laser, component identification operations appl. 2−23976
laser electrophotographic printing technology 2−21037
LED arrays, appl. in electrophotographic printer 2−16084
mechanics and electronics of printers *(Japanese)* 2−21467
multistation terminal system with video and printing units *(Italian)* 2−16181
multiwire matrix print head cable connector 2−9276
non-impact, Kanji character data processing software for data communication systems *(Japanese)* 2−6591
nonimpact printers in word processing, electronic mail, DP and electronic printing and publicity 2−15638
nonimpact printing technologies, conf., Venice, Italy (June 1981) 2−18860
PCBs, dust cover seal for edge connector 2−13292
raster output scanner 2−15643
review of technological advancements *(Japanese)* 2−21038
scanned all-points addressable printer, data compression technique using change block skipping 2−2476
stepper motor drive system, forms pedestal switching testing 2−23979
thermal printhead drive circuit for high speed printing 2−5095
two color laser beam electrophotographic printer 2−15646

printing
see also computer-controlled typesetting
3M magnestylus printing, graphic arts applications 2−15637
air ink jet printer controller 2−21051
CRTs, advantages for electrophotography 2−15645
DOD printing at high print rates and resolution 2−21491
dry ink jet printing 2−21064
electrographic magnetic stylus recording, non-impact mag. printing 2−15660
electrographic marking, transfer type multistylus 2−21055
electrographic paper, electrical characteristics 2−21053
electrographic printing, image resolution 2−21052
electrographic printing process using mag. stylus recording 2−6304
electrographic printing with ion projection printhead 2−15636
electrophotographic nonimpact printers, geometrical flow model of development 2−21045
electrophotographic printing, imaging process 2−21044
electrophotography, basic equations of electrostatic fields in reversal development 2−21047
electrophotography, magnetic toner for organic photoconductors 2−20724
electrophotography, signal/noise and resolution limitations 2−21043
electrostatic BENSON printing process *(Spanish)* 2−15632
electrostatic printing, high resolution apparatus 2−15635
electrostatic printing on plain paper 2−21054
fibre optic CRT addressed xerographic engines 2−15644
high-speed thermal printing head and its temperature control 2−19988
ink jet development at the Lund Institute of Technology 2−21049
laser applications in information processing, optical electrostatic printing 2−15586
laser electrophotographic printing technology 2−21037
LED arrays, appl. in electrophotographic printer 2−16084
magnetic printing, new thin film scanning head 2−15166
magnetographic copier−duplicator 2−15672
magnetographic printing, high resolution recorder 2−15165
magnetography, process speed and print quality capabilities 2−15669
magnetography, review of devices and future potential 2−15668
nonimpact printers in word processing, electronic mail, DP and electronic printing and publicity 2−15638
nonimpact printing, high density conductive addressing circuits fabrication 2−19991
nonimpact printing technologies, conf., Venice, Italy (June 1981) 2−18860
optical line printing, magneto-optic pattern generator 2−15356
photographic printing, charge transfer across organic photoconductor/insulating liquid interfaces 2−21048
photographic printing-imaging and fusing in single component magnetic toners 2−21046
As-Se-Te, amorphous, photoconductor for electrographic printing 2−25577

printing industry
see also printing
computerised control system *(Russian)* 2−28306
pre-press picture processing in the graphic arts industry 2−21371
review of technological advancements *(Japanese)* 2−21038

prisms (optical) *see optical prisms*

privacy of data *see security of data*

private telephone exchanges
aids for the disabled, electrical and electronic devices using Braille displays and speech synthesizers *(German)* 2−26339
analogue private networks, off-network calling and other transmission considerations 2−21705
automatic call distribution systems, effect of post-call activity on queueing theory predictions 2−15961
Automatic Call Distribution systems, multinode private network planning, traffic overflow/diversion 2−2638
Bell System design layout report, E 6717, explanation for designers 2−16270
Bell System Dimension 2000 PABX, hospital appls. 2−6697
call charge accounting in a PBX using disk system 2−2620
combined voice and data PABX market prospects 2−21584
digital PABX options for data services managers 2−21694
digital stored program control PBXs, applns. 2−2624

private telephone exchanges continued
EPEX PABX, SPC system, call handling system and software struct. 2−16274
field test system for service quality assessment *(Japanese)* 2−16308
Hospital Communications Management System software package for DIMENSION 2000 PBX, patient-care data update 2−6687
hybrid business communications system with high flexibility 2−10910
ITT Unimat PABXs, development for international market 2−26336
microprocessor controlled PABX design 2−2607
Mitel PABX versatility and British market penetration 2−21443
mixed analogue/digital private networks, transmission planning 2−6725
NTT new 104 key telephone system 2−26347
office automation system based on PABX switching network *(Italian)* 2−16189
PABXs, optimum load distribution on operators, multiserver stochastic service system *(Hungarian)* 2−6695
police computerised PBX 2−2599
referal computer introduced in larger subscriber exchanges during 1981 *(Swedish)* 2−10905
review, 25 year period 2−16030
Siemens EMS 12000 PABX *(German)* 2−2610
small-scale telephone exchanges handling up to five extensions, appls. *(German)* 2−6705
stored program controlled PABX, AXB 20 2−10916
teletex-attachment to the DSX-40 private exchange 2−26237
tie line noise discussion 2−2598
transmission plan for private networks in mixed analogue and digital environment 2−21706
transmission planning for integrated voice/data in large private networks 2−21707
Valero Energy Corp. private telephone network for gas distrib. industry 2−6549

probabilistic logic
No entries

probability
see also game theory; Monte Carlo methods; queueing theory; random processes; statistics
acceptance control charts based on normal approximations to the Poisson distribution 2−19014
amplitude probability density function measurement using fast Fourier transform *(Japanese)* 2−15916
approximations of Bayes and minimax risks and the lest favorable distribution 2−24070
asymptotic behaviour of the likelihood ratio test under presence of deviations of the model 2−13479
attribute sampling plans and OC curves for small lots using computer-derived hypergeometric probabilities 2−4674
automatic power system short-term load forecasting method 2−12203
Bayes procedures for detecting a shift in the probability of success in a series of Bernoulli trials 2−4809
Bayesian evaluation of inspectors in sensory tests 2−8282
best choice problems 2−4739
binary response data, two families of transformations to additivity 2−8467
bivariate cumulative probabilities evaluation using moments to fourth order 2−19127
Brownian iterated algorithm law 2−8546
change-point using ranks, posterior probabilities 2−8478
characterization using the conditional variance 2−8558
circuit arrangement dimensioning, supply and quality of service *(Italian)* 2−19486
clinical laboratory data, interpretation of normal ranges based on new concept of individual difference quotient 2−271
clone age determ. from geographical distrib. characteristics 2−8535
combinational circuits, probability of a switching function *(Spanish)* 2−5206
combinatorial properties of directed graphs useful in computing network reliability 2−19223
complete information two player games with correlated positional eval., stochastic models 2−13414
conditional pressure and coding 2−4766
confidence bounds on the probability of meeting a poisson or binomial distribution specification limit 2−19016
contracting mappings on statistical metric spaces, common fixed and periodic points 2−19185
correct classification, expected probability 2−4769
correlated random walk/ 2−265
counterfeit coin problem, improved strategy 2−19125
crossing probabilities for a square root boundary by a Bessel process 2−8512
cusum for a scale parameter 2−19015
deconvolution and the renewal equation 2−8788
degree of belief in a fuzzy event 2−13472
differential PCM, probability charact. of estimate of message 2−21267
discrete distribs., unimodality 2−4785
discrete order statistics, probability of ties and Markov property 2−13476
distribution functions *(French)* 2−4728
distributions on linear spaces, book 2−4714
double sampling plans construction 2−24010
dynamic behaviour estimation using statistico-probability method 2−27328
electrical schematics, probabilistic relaxation for automatic interpretation 2−8944
electricity generating systems, comparative risks and risk assessment 2−27604
exit problem for small random perturbations of dynamical systems with a hyperbolic fixed point 2−13377
extremal problems in statistics 2−284
flows in queueing networks, martingale approach 2−200
FORTRAN IV functions for calculating probabilities associated with Dunnett's test 2−19121
four-moment reliability analysis for static and time-dependent problems 2−13306
Fourier series methods in nonparametric estimation 2−13485
fuel pump cams, reliability calc. 2−19034
functional central limit theorem for semimartingales 2−8575
functionals of probability density, estimation 2−492
fuzzy sets and probability 2−350
Galton-Watson process Bessel function *(French)* 2−173
graph theory appls. 2−19202

probability continued
graphs and sets, anal. *(Italian)* 2−13618
graphs which contain all small graphs 2−19157
history of probability and statistics, studies, Buffon's cycloid 2−13455
inaccuracy, generalised measures 2−13473
infinitely-many-neutral-alleles diffusion model 2−4756
interactive approach to multiple criteria decisionmaking based on statistical inference 2−8447
inventory system, continuous-review system, algorithms 2−267
iterated logarithm for Lipschitz random variables, appl. to empirical charact. function *(French)* 2−4764
Itos formula for processes indexed by a part of R^d *(French)* 2−13440
kin number problem, Galton Watson process appl. 2−24089
ladder epochs distrib., inequalities 2−8543
Lagrangian probability distribs., relation to modified power series distribs. 2−8504
large deviation probabilities for certain dependent processes 2−8547
laws of large numbers by descending submartingales *(French)* 2−4765
least positive root of the characteristic equation z=K(z) 2−189
lifetime distribution estimation 2−24106
limit theorems of probability theory for compact topological groups 2−4821
linear decision rule for complex hypotheses testing, synthesis, algorithms comparison 2−24078
linearization method for determining the effect of loads, shunts and system uncertainties on line protection with distance relays 2−12286
linked loci in finite populations 2−24103
locally convex topological vector space, ergodic measure 2−8610
LV plants of the German Post, determ. of spare part requirements *(German)* 2−28047
marked populations survival estimation with possibly dependent sighting probabilities 2−4774
Markov chains in small time intervals 2−8539
martingale method in study of extremes *(French)* 2−24099
matched proportions, Bayesian tests 2−8495
mathematical concept, personalist, frequentist and propensity interpretations 2−13434
maximum bipartite matching via fast matrix multiplication, deterministic and probabilistic algorithms 2−8708
measurement results processing, using empirical probability distribution *(Bulgarian)* 2−3024
microwave radio relay systems carrying analogue and digital channels, outage probability determ. 2−26403
mining geostatistics practice (1980) 2−8489
modified skip-lot sampling plan 2−115
multi-dimensional central limit theorem 2−8578
multiple statistical decision theory, book 2−4749
multivariate normal distribs. with special correlation structures, representations 2−244
negative exponential distribution algorithm 2−8483
nonlinear programming problem, with random parameter, solvability *(Russian)* 2−19266
normal approximation error estimation *(Russian)* 2−4806
numbers related to partitions of unlike objects and occupancy problems 2−24157
objective empirical distrib. function, error formulae 2−19119
on a property related to convergence in probability and some applications to branching processes 2−8572
on the classical Bonferroni inequalities and the corresponding Galambos inequalities 2−8541
optical target tracking, probabilistic approach 2−10704
optimal conditions for preventative replacement *(French)* 2−23962
optimal stopping for two-parameter processes *(French)* 2−13437
outgoing quality distributions for MIL STD 105D sampling plans 2−19018
overhead transmission lines, faults caused by galloping, probability of occurrence, calc. 2−12215
particle size distrib., moment inequalities of the Liapunov type 2−8556
percolation, first passage, time constant continuity 2−24105
Poisson-inverse Gaussian distrib., computation 2−256
postdetector comb filters, approx. of probability density at o/p 2−10697
power system, space conditioning load, probabilistic model 2−7495
power system load probability density function forecasting 2−22822
power system probable fault conditions selection methodology *(Czech)* 2−27365
power system reliability, discrete convolution 2−22819
power system reliability and availability determ., analytical methods based on probability theory *(Croatian)* 2−27376
power system reliability indices, unified probability framework 2−8328
power system total capacity probability distribution function construction 2−27433
probabilistic load flow using multilinearisations/ 2−3732
queues with paired customers 2−8436
radar detection, double threshold, adaptive false alarm regulation 2−6848
radar detection, Swerling I target detection probability analysis, on two correlated obs. 2−6853
radar performance in jamming and clear environments 2−6851
random graph factors 2−13519
random lines, distrib. 2−8528
rank test statistics, locally most powerful, asymptotic non-normal null distrib. 2−237
record values and the exponential distribution 2−24112
regression model, point of charge 2−24087
regular hypersimplex and concentrix hypersphere, common content 2−4784
relative compactness of families of distributions of semimartingales 2−24126
reliability of technical system with various functions, probability approx. 2−13309
RFI, pulse-modulated, smooth, probability-amplitude distribution model 2−15734
sampling procedure with inclusion probabilities proportional to size 2−13460
sequential probability ratio tests, OC function, stochastically ordered distributions and monotonicity 2−13484
Shannon entropy, symmetry 2−4808
shock models with phase type survival and shock resistance 2−137
signal detection, deterministic, under Markov interference, using rank binary rule 2−2347
simple test for normality 2−187

probability continued
simplified approach to determination of the probability distribution of similarity criteria 2−8463
single-line queueing system, asymptotic expansion for moments of sojourn time in admissible set of states 2−8433
solar batteries for spacecraft equipment power sources, theoretical characts. 2−27253
solid materials electric breakdown, influence of probability distribution bimodality *(Slovak)* 2−20437
spatially homogeneous branching process *(French)* 2−186
spherically symmetric sample, convex hull 2−24095
stationary probabilities in a system with discipline of advantageous distribution of a process 2−8431
stationary random processes associated with point processes, book 2−4737
statistical tolerance regions 2−13488
stochastic parabolic variational inequalities, existence 2−13491
stochastic processes, optimal predictable transforms 2−19140
stochastically monotone sequences of random variables, convergence and appls. 2−8527
stopped martingale *(French)* 2−13436
stopping times and an extension of stochastic integrals in the plane 2−8545
stopping variable probability distrib., one-sided CUSUM procedures for non-negative integer valued random variables 2−8515
structured estimation, multivariate probability density estimation 2−15882
tolerance intervals for poisson and binomial variables 2−8279
traction drive electronic systems parametric reliability anal. by nonlinear physical modelling 2−28196
transient state probabilities/ for a queueing model/ where potential customers/ are discouraged by queue length/ 2−198
two-point estimates in probabilities 2−13435
unequal probability sampling, simple procedure 2−13459
uniform convergence of estimates of multivariate probability density 2−19138
uniform distribs., infinite convolutions 2−13470
unknown biases parameter optimal liner estimate 2−13467
use of rank order distributions for the estimation of the probabilities of rare events 2−4686
Walsh series expansion of probability distribs. 2−13383
Z 2−7469

probes
see also electron probes; plasma probes
AC/DC polarity indicator, using seven segment display 2−7143
active probe for MOS, TTL logic cct. testing *(German)* 2−5209
BWR vapour content determ. by electric probe method *(Russian)* 2−17901
conductivity, dynamic response meas., salt-stratified tank design 2−7443
continuity tester, meas. of resistance as low as 0.1 Ω, 741 op. amp. cct. 2−866
EFM 5 monitor for RF leakage meas., 200 kHz to 1 GHz range, industrial, consumer devices appl. 2−26050
electronic, state and development trends *(German)* 2−14346
flow, automatic null balance *(German)* 2−3301
flowfield surveying techniques using traversing probe system, for hypervelocity wind tunnel 2−11999
heat pipe cooled jacket for use in high-temp environments 2−3127
high-precision measuring devices from TESA SA of Switzerland *(French)* 2−22040
induction magnetic probes, parameter change estimation at liquid N_2 temp. *(Russian)* 2−20551
inhomogeneous lossy dielectric slab, diagnosis by EM probing *(French)* 2−22358
isotropic E-field probe radiation monitor, EFM 5, 0.2 to 1000 MHz freq. range 2−26049
mass-filter probe, rarefied gasdynamical problems appl. *(Japanese)* 2−7232
microwave diathermy, anal. of minimally perturbing temp. probe and thermographic meas. 2−27131
microwave field distrib. probing, amplitude, phase and polarisation and real time 2−11599
microwave multiport reflectometer for determ. of complex refl. coeffs., fixed probes, adjustable attenuator 2−26951
miniature electric field probe with resistive transmission lines, anal. 2−11564
Mylar electrets, high-resolution probing of space-charge densities using electron beam 2−5848
NHKG power station, experimental operation of O_2 probe *(Czech)* 2−17962
ocean wave height meas. using capacitance change 2−22727
plasmomagnistor, semiconductor device, mag. field probe 2−7088
power plant insulation discharges, RF detection by loop probe 2−26811
programmable pneumatic Z motion mechanism for testing solid-state IC devices 2−18977
resonant magnetic probes, narrowband, inductance optimisation of induction transducers with ferromag. cores *(Russian)* 2−22254
S-band waveguide technique for the calibration of miniature implantable electric-field probes for use in microwave-bioeffects studies 2−22543
spring probes, general description and application details 2−13299
stator thermal probe, information meas. provisions 2−16983
surface electric field meas., miniature ELF probe 2−26835
temperature probes for low pressure condensable vapour meas. 2−22426
thermal conductivity meas. using line source probe technique 2−22427
TTL test probe, charact. *(German)* 2−19620
universal logic probe from Timothy Edwards, tri-state indication 2−19606
US hydrophone probes, piezoelec. polymer sensitive element, design and calibration 2−12111
US probes for materials testing, charact. determ. *(French)* 2−17610
US probes used for periodic inspection, charact. 2−12104
vacuum operated Hg probe for semiconductor C-V plotting and profiling 2−5663
H_2SO_4 vapour in combustion gases, continuous meas. by portable automatic monitor 2−22431
O nonisothermal probe for continuous O meas. in steel 2−11468
O probe application for controlling O content in molten Cu 2−11461
O probe for Cu casting 2−11460
O probe for Cu electrolytic tough pitch wire production 2−11459
O probe for electrochem. meas. of free O content in liq. steel 2−11464
probes continued
O probe for O partial press., direct meas. in testing blast furnace 2−11462
O_2 probe for flue gas anal. method of signal linearisation *(Slovak)* 2−23085

problem oriented languages *see high level languages*

procedure oriented languages *see high level languages*

process computer control
see also direct digital control
application of microcomputers in automated arc welding systems 2−18807
arc and induction melting processes, electrical energy consumption minimisation by microprocessor based control system *(German)* 2−18759
ATM 80 process computer family, control units for power supply modules *(German)* 2−28032
automated metal-pouring system for non-ferrous continuous casting and rolling mills 2−28266
bonding technology, automation 2−1081
Cadillac electronic ignition control microprocessor malfunctions 2−8052
cattle fodder mixing by AC motor speed control 2−28307
cement works process control with DP system family 2−23842
CIP Gatineau paper mill, electric drive control system for paper machine speed control 2−18635
coal gasifier coupling to combined-cycle power plant 2−12409
coded data aquisition equipment supplying information from conveyor belt to process computer *(German)* 2−16990
district heating dispatch station computer-aided control methods *(German)* 2−3891
Donawitz metallurgical works central control installation for power system and process control *(German)* 2−27402
EPROM memory programmer, microcomputer controlled *(Czech)* 2−14044
fission reactor start-up and shut-down using digital hierarchical decentralised information system 2−7693
fractionation optimisation through advanced control 2−18818
gas turbine, automation, for increased operational safety and plant availability 2−27761
high-precision measuring devices from TESA SA of Switzerland *(French)* 2−23855
high-quality PCB manufacture, very large scale production factory, automated process control, batch capabilities 2−14474
IC technology, CVD, computer control, use in processing of Si wafers and sapphire and spinel substrates 2−25292
INCOS automatic product inspection system using computerised picture processing *(German)* 2−4676
LSI, EB55 precision electron beam exposure system, direct writing of submicron patterns, variably-shaped beam 2−20297
LSI nanolithography using electron-beam system, resist exposure, computer control 2−20298
LSI technology, electron beam direct wafer writing system, double defl. correct., SEM column, multi-data exposure program, mask. reg. accuracy 2−5784
LSI technology, etching of Al metallisation, Plasma Inline 702 wafer reactor, automatic system 2−20350
machine and process control systems, reference information 2−7806
MC6800 for asbestos-cement production control 2−23843
microfabrication technology, electron-beam exposure system, pattern generator, defl. amplifer 2−20305
microprocessor controlled 10 MW induction heating furnace used at British Steel Corporation, UK 2−4488
microprocessor power electronics control appls. *(German)* 2−7493
monolithic IC laser trimming, automatic focusing and alignment 2−14949
motor vehicle computerised emission control system 2−8051
nuclear fuel reprocessing facilities, online computer system for continuous criticality 2−7692
nuclear reactor cone power density distribution, multilevel control 2−7694
nuclear reactor online computer control using optimal control and state estimation methods 2−7691
PCB assemblies, automated batch vapour defluxing and wave soldering 2−24813
PCB design guidelines for automatic component insertion 2−9294
PCB electroplating lines, microprocessor control of hoists and rectifiers 2−24810
petrochemical plant distillation energy consumption, closed loop optimisation 2−23835
power boiler computer based control system 2−23105
production process appls. *(Croatian)* 2−13304
production processes control using image logic *(Bulgarian)* 2−6466
recovery boiler operations, digital computer control 2−23106
Schwaben AG distribution network mains automation system for load distribution *(German)* 2−27470
semiconductor fabrication process, automated system for operation and control 2−18982
semiconductor factory, EL-3 electron-beam direct write manufacturing tool, appls. 2−20299
spark machining numerical control system using SBC-80 microcomputers *(German)* 2−20992
steam power station, 200 MW, coal fired, bus-oriented process control system application *(German)* 2−27708
steam power station electrical values measurement, applications in process monitoring and construction and installation *(Croatian)* 2−27705
steel industry, continuous slab casting process computer control 2−23793
steel industry, energy management systems 2−4491
submerged arc furnace microcomputer control system 2−8108
textile plant, computer optimisation of refrigeration plant 2−13103
thermomechanical pulping control 2−18827
timber boards automatic squaring using U880 type microcomputer *(German)* 2−3276
video systems as interfaces between man and process *(German)* 2−22154
wide-strip hot rolling mill process computer control *(French)* 2−23792
Al reversing hot rolling mill process computer control 2−23794

process computers
power system main control stations using process computers, planning and erection *(German)* 2−17667

process control
see also process computer control
automatic US testing for manufacturing process control *(Japanese)* 2−17615
automobile paint plant, process automation employing programmable controllers 2−13107

process control continued
blast furnace process as object of control, mathematical simulation *(Bulgarian)* 2−4493
boiler-turbine generation unit, soot blowing, optimisation methods for energy efficient operation 2−12499
CECON 80 conference, Cleveland, OH, USA (May 1980) 2−8161
coal preparation plants in USA, instrumentation and automation systems status review 2−27749
communication cable production, control synthesis *(Czech)* 2−24748
Contronic 3 automation system, centralised monitoring subsystem *(Italian)* 2−16889
DC graphitisation furnace, automatic control system *(Russian)* 2−28236
diagnostics, for large scale systems, current methods and new techniques based on filtering theory 2−8300
FET process, parametric control 2−15023
fibre optics appls., performance and price trends 2−16486
IC process monitoring, automated parametric testers 2−9705
IC processing, microelectronic test structures for characterisation and control 2−14954
IC processing for quality control 2−9695
industrial process control instrumentation system's reliability assurance program, reliability growth and field results 2−19049
instrumentation, reliability assurance and growth 2−139
instrumentation, testing and calibration equipment 2−16811
insulated cable production, process control synthesis *(Czech)* 2−14324
interference suppression method *(German)* 2−10521
ion exchanger recirculation plants operational control, cross switching and comparison meas. *(German)* 2−17164
ion implantation, trends in technology 2−20196
ion implantation equipment monitoring, sheet resist. meas. use and limitations 2−14774
ion implantation low-dose process control monitoring using MOS capacitor-voltage profiling 2−14776
ion-implantation low-dose monitoring, C-V profiling, technique appl. 2−14775
laser material processing, process optimisation 2−10404
liquid level vibratory process control transducers, flexural vibr, freq. dependent on level 2−16928
load monitor with logic output for supervisory functions *(German)* 2−28283
maintenance *(Hungarian)* 2−4621
multilayer PCB desmear and etchback using dry gas plasma methods, automated operation 2−9320
multilayer PCB fabrication, process control parameters and facilities 2−14427
multilayer PWB electrodeposition control, $Cu_4P_2O_7$ electrolyte, manufacturing technology 2−14451
on-line measurement of fine-crystal response to crystallizer disturbances 2−6283
optical fibres, advantages *(German)* 2−10042
passive telemetry using simple optical transducers with fibre-optic links 2−16487
PC technology, ion chromatography appls. environmental anal., industrial hygiene and process control 2−5425
PCB dry film photoresist performance prediction by resist sidewall anal. 2−14441
PCB edge connector plating operation, automatic equipment 2−14519
PCB electroplating, automatic control of stabilized electroless Cu solns., Cuposit controller 2−5451
PCB fine line imaging, resist channel formation, uniform width, process definition/control 2−14505
PCB solder-coater-levelling, hot-air techniques, Schmid SCL System 2−14463
PCB wave soldering, practical approach, return to basics 2−24798
PCs, automatic insertion using belted components *(German)* 2−14406
piercing press automation by electronic control of the rotating table *(French)* 2−23322
plant condition monitoring in Japan, trends 2−8239
plasma etching stripping process, chemiluminescence end-point detect. 2−20211
power plant wastewater treatment, programmable controller appls. 2−17969
power system Z 2−3718
pulverized coal fired boiler, combustion air automatic trimming using flue gas CO concentration ref. 2−23099
quality, simultaneous pairwise comparison tests among treatment means 2−119
screen printer setup for precision thickness control, novel approach 2−9329
sensor system for automation and meas., with image analysis processors 2−11340
simplified process controls based on acceptance sampling by attributes 2−4672
solar cell manufacture, automated process sequence using preformed cell contacts/interconnects, cost of $0.64/peak watt in 1986 2−23499
system optimisation *(Russian)* 2−9702
transducers, instruments and measurements in the process industries 2−26813
TV and image processing techniques *(German)* 2−26657
VIDEOSPRAY, CCTV camera controlled painter 2−21972
VLSI, in line management and fabrication methods necessary for high volume production 2−14928
wave soldering optimization 2−24797
welding process variables adaptive control 2−4544
welding torch tracking, preview control 2−18814
O probe application for controlling O content in molten Cu 2−11461

Procopiu effect
No entries

product control *see quality control*

production
this heading is restricted to industrial production
see also assembling; manufacture; quality control; reliability
automatic production lines construction using modular system of components with programmable control system *(German)* 2−18983
automobile assembly-line data commun. system, microprocessor-based, teleprinter output 2−16220
battery operated AC and DC power systems, computer aided draughting, production service improvement 2−13261
cables and conductors, production facilities and services in Poland *(Polish)* 2−17720

production continued
component identification operations, using laser printers 2−23976
decentralisation using production microunits, advantages for developing countries 2−13220
industrial production, base technological cost of electric equipment 2−13219
industrial reliability aspects during the production process *(Dutch)* 2−13312
instruments, assembly failure prevention 2−3170
insulating sleevings with textile yarn base, production techniques, further improvements 2−13273
intensification of production of liquified natural gas 2−28323
IR instrumentation, consumer-oriented products development 2−3079
lighting equipment manuf. in USSR, future trends *(Russian)* 2−4449
NC machines setting instruments production 2−16801
Norwegian LCD production, application in car dashboard display *(Norwegian)* 2−26903
PCB contact spring insertion template system 2−24784
plasma display panels, repair of open conductors in fan out area, air abrasive drill 2−5523
terotechnology approach to plant engineering 2−23981

production control
see also process control; quality control
automatic programmable oscilloscope, HP 1980 A/B, technical and operational charact. *(Italian)* 2−7124
IC process monitoring, automated parametric testers 2−9705
IC processing, microelectronic test structures for characterisation and control 2−14954
laser beam appl. to numerical control of workpieces in industrial production *(German)* 2−15590
Markov drift processes steady state anal. 2−301
masks for chips, overlay inspection 2−14947
microelectronic and electromechanical component testing using sensors *(Dutch)* 2−19022
Multiwire technology, combination of print-and-etch with computer-aided NC wire placement 2−8262
PLC, role in India 2−4636
telephone cable manufacturing inventory, production and assignment system 2−10947
Tencor Instruments Sigmascan, surface and film thickness profiler for hybrid IC production 2−11622
waste water treatment of sulphite spent liquor, modelling and production control of utilisation system 2−8130
weighing standardisation and legislation, impact on production and quality control 2−22413

production schedules *see production control*

production testing
aircraft ECM systems testing, in factory and field environments 2−22129
ATE development and trends *(Italian)* 2−22044
ATE program for IEEE 488 bus systems 2−26723
automated testing for electronics manufacturing, conf., Boston, MA, USA, (June 1981) 2−8146
automatic testing in production *(Italian)* 2−22045
bare PCB ATE for manufacturing facility 2−14459
bare PCB testing, importance to end user 2−14512
burn-in test design criteria, electronic equipment manufacture appl. 2−23977
CAD/CAM rel. to production test improvement, increase in overall productivity 2−13266
capacitors, high-volume testing for production/inspection appls., meas. instrumentation selection 2−13279
characteristics of linear synchronous motor drive cycloconverter for Maglev vehicle ML-500 at Miyazaki test track, Japan 2−8044
coaxial cable connection tester 2−976
codec-filter chips testing 2−5760
combinational circuits, syndrome-test time reduction 2−9062
communication engineering equipment, using microprocessor-based ATE *(German)* 2−26746
composite flywheel balance experience 2−12959
composite materials for flywheel energy storage system, creep charact. determ. 2−12956
decentralised component testing 2−4644
development of domestic heat pumps, prototype tests 2−4479
digital PCB functional testing using vacuum fixtures 2−14513
domestic appliances, major microprocessor controlled testing *(German)* 2−18973
domestic electrical appliances, switches, geysers and heating mantles, safety and reliability tests 2−8100
drilling analysis, SEM appl. 2−9313
electronic equipment, testing strategy 2−18969
fibre reinforced concrete pole for distribution lines, structural tests 2−3781
fibre reinforced concrete pole for distribution lines, structural tests 2−27561
functional PCB testing, increased throughput 2−19965
GenRad automatic IC testing systems *(Italian)* 2−22047
GRnet system, ATE computer network for production test data management 2−16838
hybrid PCB test, bed-of-nails ATE fixturing techniques 2−16842
ICs, defect detect. of epitaxial structures due to buried layer, laser scan method 2−9707
logic PCB testing, PLT, a test language for new products 2−793
LSI/VLSI components testing program development, evaluation/production test appl. 2−20378
mass-produced electronic equipment assessment rel. to UK RFI regulations, production testing procedures 2−8295
microelectronic systems, automatic testing proposal *(Italian)* 2−22046
microprocessor based equipment, test strategy 2−8258
MPU-based system testing, review of strategies 2−5763
multilayer PCB plated-through-hole reliability, effect of drilled hole wall quality and Cu plating thickness 2−9314
multilayer PCB production, dimensional stability of laminates, production tests 2−19983
multilayer PCBs, dimens. stability test method, systematic approach 2−24794
online production test equipment design 2−6994
passive components production meas. requirements, impedance determ. 2−4643
PC assemblies, test defect data logging system based on Sperry-Univac 1182-mainframe 2−22062

production testing continued
PCB automatic insertion technology with on-line testing and optical inspection 2—14514
PCB functional testers 2—14363
PCB laminate manufacture, high-quality analytical testing 2—14420
PCB manufacture, punched laminate parts, perforator force meas. during piercing operation 2—5454
PCB manufacture Cu foil electroplating, effect of manufacturing parameters on ductility/tensile strength of board 2—14481
PCB production, material requirements planning systems 2—18979
PCB soldering using colophony-base fluxes, effectiveness, board insulation resistance effects 2—14477
PCBs 2—1035
PCBs 'product test plan' preparation procedure 2—19985
PCBs alternative test strategies economic comparison using quality curves 2—19984
PCM filter testing, techniques and software 2—19773
PLA with product term test circuit 2—14066
planning, strategy formulation using pyramid concept 2—18974
PWB in-circuit and functional testing, automatic signal tracing facility 2—23987
PWBs, detergent cleaning of FR-4 test coupons, reliability testing 2—14492
quality control, tools for controlling quality 2—8275
RAM, Megatest Q2/40 system for dynamic memories 2—22077
regenerative dynamometer system for engine testbed 2—22210
resistor, metal film, using fast microproof test set 2—13268
RF equipment testing, 9303 RF level meter, Racal-Dana 2—16780
rigid flexible multilayer PWB fabrication, resolution of problems in process by SEM and chromatography 2—14467
semiconductor memory testing economics 2—18929
standardisation, NVLAP accreditation program 2—8252
static safe electronics work environment, use of ionized air, test procedure 2—13276
TGMP-204 steam once-through-boiler, gas and oil fired, operational adjustment and thermal testing 2—17992
thick film circuits, resistor pastes, testing of Du Pont 1400 and 1600 series rel. to cost reduction *(Polish)* 2—1067
type approval testing and production control, interpretation of limits 2—21154

professional aspects
career development and salary progression of industrial engineering graduates: a preliminary study 2—18848
computer science, future problems for teachers 2—13202
effects of regulation on the behavior of professionally-managed utilities 2—17647
engineering buyer views 2—18966
new dimensions in quality education 2—4585
technology transfer to developing couantries, professional aproach. 2—8198

program and system documentation
CCITT specification and description language *(Norwegian)* 2—26180
power system load characteristics, real-time digital data acquisition system 2—17645
structured approach for software design, microprocesor appl. software 2—24558

program assemblers
disassembly of MC6800/6802 using logic analysers 2—19702

program compilers
CHILL compiler, code generation formation *(Italian)* 2—21271
distributed ATE systems software 2—26763
FORTRAN compiler, for microprocessor based single board computer 2—17291
MUSBOX compiler for Systems Concepts digital synthesizer 2—2973
SPC telephone exchange software construction, CHILL Development System *(Italian)* 2—16304

program correctness proving *see programming theory*

program debugging
see also program testing
DIPS 104-02 operating system, software quality control techniques *(Japanese)* 2—6590
distributed software systems, SHOSHIN testbed 2—10866

program diagnostics
see also program testing
ATE for electronic modules, comprehensive test program set diagnostics 2—22120
IBM series/1 minicomputer for system verification and calibration 2—22109

program interpreters
home construction modem, software package 2—10886
SPC telephone exchange software construction, CHILL Development System *(Italian)* 2—16304

program testing
see also program debugging; program diagnostics
distributed processing digital switching system testing techniques 2—2634
distributed software systems, SHOSHIN testbed 2—10866
DPCM: a dynamically programs checking oriented machine 2—6702
IBM series/1 minicomputer for system verification and calibration 2—22109
satellite based radionavigation system, GPS, software testing, emulation based simulation facility 2—21879
universal microprocessor development systems, design considerations 2—24561

program translators *see program interpreters*

programmed control
see also process control; production control
, programmable control circuit 2—4464
automated factories, data highway with distributed controllers 2—10880
automatic production lines construction using modular system of components with programmable control system *(German)* 2—18983
automobile paint plant, process automation employing programmable controllers 2—13107
cement works process control with DP system family 2—23842
continuous vulcanizing extrusion lines, programmable controller and appls. 2—28303
control desk for dispatching-centre control systems using a computer *(Czech)* 2—27363
controllers for failure anal. *(German)* 2—13323

programmed control continued
covered electric connections on PCBs, semi-automatic execution with programmable assembly station 2—19980
DC motor six-pulse reversing armature supply, microprocessor appl. as control and logic element 2—18273
electric drives, microprocessor-based control and regulation *(German)* 2—28143
electric generators stored program control of synchronisation with the mains *(German)* 2—27871
fusion welding along flat curvilinear contours using industrial robot with photoelectronic programmed control system 2—28298
industrial component selection for programmable controllers 2—12760
introductory UART experiments for a microcomputer course 2—13188
LSI technology, electron beam direct wafer writing system, double defl. correct., SEM column, multi-data exposure program, mask. reg. accuracy 2—5784
machine and process control systems, reference information 2—7806
microprocessor based energy management systems 2—27380
nonnumeric controls *(German)* 2—19574
PCB automatic 2—5421
plate bending machine, programmable position control system *(Portuguese)* 2—4496
PLC, role in India 2—4636
pneumatic Z motion mechanism for testing solid-state IC devices 2—18977
power electronics using microprocessors for control and supervision *(German)* 2—23667
power plant wastewater treatment, programmable controller appls. 2—17969
power sources [programmability] 2—12711
power system programmable control system selection criteria 2—3718
programmable controllers, fibre optic links 2—26518
random programmable automaton to control technological set *(Polish)* 2—27361
relay, Meidensha's general purpose sequence controller uniseque M100 2—12310
safety, stored-program controls appl. requirements and testing GFR *(German)* 2—4624
safety, stored-program controls design *(German)* 2—4625
steel industry, continuous slab casting process computer control 2—23793
stored-program control for monitoring- and safety-functions *(German)* 2—4626
wide-strip hot rolling mill process computer control *(French)* 2—23792
Al reversing hot rolling mill process computer control 2—23794

programmer training *see training*

programming
see also automatic programming; computer software; interactive programming; program and system documentation; program testing; structured programming; systems analysis
avionics integration support facility, embedded computer software modification config. and data management 2—7373
biological impedances meas., automated microcomputer system appl. 2—7180
CHILL software development system for SPC telephone exchanges 2—26334
CNC machine tool *(German)* 2—4516
CNC machine tool structures *(German)* 2—4513
compactification of BASIC programs, example of Josephus problem in game theory 2—24068
control loops, program development and error detection *(German)* 2—4394
COSMAC EPROM programmer 2—19655
EPROM programmer, using BCD thumbwheel switch 2—19674
EPROM programmer for UK 101 using 6812 PIA and Decoding Module 2—5238
EPROM programming apparatus 2—24532
GTD-5 EAX software development environment 2—26345
intelligent EPROM programmer design 2—5215
microprocessor-based welding robot *(German)* 2—4515
Nanocomp EPROM programmer, description 2—24545
process control software, reliable software, development and validation methodology 2—12376
programming choices, flexibility and security of data *(German)* 2—24511
PROM programmer product survey 2—24513
visually handicapped, issues in man-machine interactions 2—10672

programming, automatic *see automatic programming*

programming, geometric *see geometric programming*

programming, interactive *see interactive programming*

programming, mathematical *see mathematical programming*

programming, structured *see structured programming*

programming languages
see also machine oriented languages; report generators
computer network connection establishment protocol, SPEX language 2—21554

programming theory
see also computer metatheory
abstract data type concepts, comparative study 2—24250

programs (computer listings) *see complete computer programs*

project engineering
see also design engineering; electromagnetic compatibility; quality control; reliability; scheduling; systems engineering
business project control, critical path program package 2—66
buyer views, need for professionalism 2—18966
coal-fired plants, in-house project management 2—27717
computer models in operations planning 2—18967
cost estimation 2—13262
energy conservation projects, investment alternatives, life cycle cost comparisons 2—7501
HV substations construction on turn-key basis, project engineering and management 2—27972
Italian telephone company DP status and prospects *(Italian)* 2—16185
leadership styles and planning and monitoring techniques in R&D 2—4598
operations planning impact on system appl. and design 2—2461
operations planning in Bell Canada's digital telephone network 2—6551
PAPI, management tool for team selection 2—18964
project management across cultural barriers 2—8196
research and development, physical equipment, project management 2—4599
research project management techniques 2—23930

project engineering continued
responsibilities of engineer, requirements 2−18965
scheduling and control in complex-of-operations framework, comparison 2−4635
stochastic project planning model, bounds for expected duration 2−65
project evaluation review techniques *see PERT*
projectiles
see also missiles; rockets; weapons
No entries
projectors (optical) *see optical projectors*
PROM
1/x functions, circuit for evaluating using EPROM *(German)* 2−22397
advances in RAMs, EEPROMs, IV PROMs; and bipolar PROMs 2−14095
bipolar components, electron microscopy 2−25330
CMOS PROMs, Harris Corp. 2−5217
comparison of main types of integrated memory stores *(French)* 2−19672
computer memories, using high speed bipolar RAMs, PROMs 2−14120
COSMAC EPROM programmer 2−19655
E^2PROM from Intel having 16K memory capacity *(Italian)* 2−5156
EAPROM, source side decoder 2−15006
EPROM, bipolar, using hot carrier injection 2−5224
EPROM 1702 A, programming equipment *(German)* 2−14124
EPROM connection circuit for 14-bit D/A convertor compatible with microprocessor *(Italian)* 2−9119
EPROM development, data acquisition systems appl. 2−7055
EPROM emulator 2−14094
EPROM memory programmer, microcomputer controlled *(Czech)* 2−14044
EPROM programmable control circuit for 2−4464
EPROM programmer, using BCD thumbwheel switch 2−19674
EPROM programmer for UK 101 using 6812 PIA and Decoding Module 2−5238
EPROM programming apparatus 2−24532
EPROM voltage generator, using 555 IC timer, IC regulator, Zener diode 2−24389
EPROMs, programming *(German)* 2−809
gas flowmeter, post calibration using digital logic and memory circuits 2−3300
INTEL's EEPROM, type 2816, software updating *(German)* 2−24502
Intel 2816 E^2 PROM, basic operation and intrinsic failure mechanisms 2−14127
INTEL 2816 EEPROM for microprocessor systems *(German)* 2−24504
intelligent EPROM programmer design 2−5215
manually operated programmer, used to rupture fusible connections *(Spanish)* 2−24543
mark PROM, 512 bit, fabrication using PMOS technology *(Korean)* 2−14117
MNOS, UV light programmable nonvolatile memory devices 2−9102
MNOS nonvolatile memory technology at Sandia National Labs., USA, EAROM, RAM and EEPROM appls. 2−15035
Mosteks 'Byte wyde' memory family 2−14099
Nanocomp EPROM programmer, description 2−24545
nonconsecutive address decoding by PROM and decoder/demultiplexers 2−9094
power supply switch design for UV-EPROMS, portable microprocessor-based equipment appl. *(Spanish)* 2−5109
programmable timer, using PROM IC *(Italian)* 2−19814
programmer design technology, using MOS structures *(Italian)* 2−19660
programmer for CAMAC channels interfacing, FORTRAN program *(Italian)* 2−19661
programmer unit design for an EPROM 2−5236
programming choices, flexibility and security of data *(German)* 2−24511
PROM programmer product survey 2−24513
reprogramming using PROMUS system 2−9093
sequential machine operation, using bipolar PROM, Quad D flip-flops *(Italian)* 2−9072
tester to check contents of EPROM 2−14093
tester to find erased EPROMS 2−5222
TMS2528 EPROM using X-cell architecture 2−14096
UV EPROM erasure in flash X-ray and Co^{60} total dose environments 2−14110
UV-EPROM, for planar gas discharge display subsystems 2−22167
Z80 microprocessor top address PROM boot, using single driver 2−14137
SiO_2, electrically alterable PROM appl. 2−20409
propagation, wave *see wave propagation*
proportional + derivative control *see two-term control*
proportional + integral + differential control *see three-term control*
proportional + integral control *see two-term control*
proportional control
induction motor, stability, driven by current source invertor proportional plus integral control 2−7844
multimachine power system, closed loop quasioptimal excitation control strategy 2−3695
power control, proportional zero-switching scheme 2−706
soldering iron temperature controller, using triac *(Spanish)* 2−23991
three-phase zero-voltage switching, new digital control schemes 2−28075
triac control, for series wound AC/DC electric motors using TDA 1185 *(French)* 2−7960
valves, proportional piezoelectric electro-pneumatic servovalve design '1981 JACC' 2−15089
NH_3 reactor multiloop proportional controller characts. 2−18817
proportional counters
see also position sensitive particle detectors
32-channel amplifier for proportional inclined chamber 2−11855
background anal. *(Slovak)* 2−7282
background rejection using guard cathodes 2−11796
beam-line multiwire proportional chambers memory system 2−27081
cathode read-out MWPC, charge centroid evaluation, systematic error 2−3369
coordinate gas detector with HF field, UV and X-ray photons detection 2−3393
drift chamber, charge division and precision timing 2−27038
drift chamber, multi-hit time-to-digital converter system 2−17235
drift chamber and Cherenkov counter radiator utilising single gas vol. 2−27034
drift chamber gas amplification improvement by Xe admixture 2−27050
drift chamber with 23 μm spatial resolution, construction and performance 2−27036
proportional counters continued
drift chamber with second coord. readout by charge division, performance study 2−27037
drift chambers, multiple time digitizers and trigger system 2−3389
drift chambers as track detectors for heavy ions 2−27074
fast modular processor for track reconstruction from wire chamber arrays 2−17295
gas proportional detectors at high counting, signal shaping and tail cancellation 2−27086
gas scintillation proportional counter for Pu in lungs assessment *(Japanese)* 2−3397
methane-filled proportional counters, recoil proton spectra 2−11808
methane-filled proportional counters, recoil proton spectra 2−17251
miniature proportional counters for neutron spectra meas. 2−17242
missing-mass spectrometer for momenta below 1.5 GeV/c 2−3437
multineedle counter with cathodic focusing *(French)* 2−7284
MWPC, high-resolution for small-angle X-ray diffraction 2−17245
MWPC, large drift space, X-ray detect. *(Chinese)* 2−22496
MWPC, low-mass detector as profile monitor for 800 MeV proton beam 2−11779
MWPC, low-press., ion detection, ionisation probability meas. 2−11798
MWPC, position resolution anal. in centroid meas. 2−3379
MWPC, relative wire position meas. technique 2−3370
MWPC as beam scanner 2−11780
MWPC wires tension control method 2−22477
MWPC with cathode coupled delay line read-out for DNA repair studies 2−22540
MWPC with cathodic read-out, acquisition and calibration electronics 2−27082
particle spectrometer with MWPC and scintillation counter for neutron-induced reactions 2−3439
photon detector efficiency for monochromatic photons 25 to 234 MeV 2−27033
photon dose fraction determ. in neutron beam, expt. uncertainty 2−11840
position sensitive, for β-ray spectrometer 2−11792
position-sensitive counters for source imaging using neutron pinhole cameras 2−17256
readout system for a multiwire proportional chamber *(Chinese)* 2−22502
spherical and cylindrical, criteria for equivalence in microdosimetry 2−17259
spiral projection chamber, central detector for expts. at LEP 2−3388
stereo drift chamber with closely packed planes, design and performance 2−3375
toroidal type proportional counter, detection sensitivity enhancement 2−7285
triangular tube proportional chamber system for muon identification 2−11781
two-dimensional position sensitive ΔE-E counter for energetic light charged particles 2−3377
Very Large Area Spectroscopic Proportional Counter for space X-ray astronomy 2−3447
Ar-ethane (methane) mixtures props. in proportional counters 2−11782
Ar-methane filled counter, heavy ions deposited energy loss in gas layers 2−3374
Ar-methane filled proportional counters lifetime 2−27048
^{3}He-Xe proportional scintillation detector for neutron detection 2−11788
$Na_4Fe(CN)_6 \times 10H_2O$ Mossbauer multisectional proportional resonance counter 2−27052
Xe, liquid, position-sensitive gamma-ray detector for positron annihilation expts. 2−11786
Xe-methane filled proportional counters lifetime 2−27048
propulsion
see also aerospace propulsion; electric propulsion
chemical tankers, design and construction 2−23690
gas turbine isoparametric shell structures anal. 2−18034
homopolar linear synchronous permanent magnet motor magnetic field calc. finite element model 2−12615
homopolar linear synchronous permanent magnet motor magnetic field calc. finite element model 2−12616
linear induction motor, conf. at Athens, Greece, 1980 2−23240
linear induction motor with U-shape secondary, magnetic fields calc. finite difference model 2−12649
linear synchronous motor magnetic field calc. finite difference model 2−12619
linear synchronous motor magnetic fields calc. model 2−12617
marine steam plant, steam-to-steam propulsion conversions for improved fuel economy 2−23691
marine Stirling engine dummy rhombic drive 2−12441
rapid transit systems, rate-coded audio-freq. track ccts. with chopper propulsion drive, compatibility 2−18690
thermionic application for future Air Force space power systems 2−12943
prospecting (geophysical) *see geophysical prospecting*
prosthetic power supplies
children's prostheses, battery saving circuit 2−27206
pacemakers, ^{238}Pu heat sources *(French)* 2−11964
prosthetics
see also artificial limbs; artificial organs; orthotics; sensory aids
closed-loop control, historical perspective 2−17413
electrical and mech. interfaces with nerve and muscle 2−17417
electromechanical transmitters according to the moving field principle and their possibilities for use particularly in medical engineering *(German)* 2−7345
manipulating device for patients with disfunction of locomotive organs 2−22571
neural control prostheses, appls. in humans 2−17415
neural prostheses and microelectronics 2−17414
thermistor sensor for analogue control by breath flow 2−11963
visual prosthesis, image processing algorithms 2−11967
Si ICs, blood compatibility of components and materials 2−7343
protection
see also alarm systems; corrosion protection; machine protection; power system protection; protective coatings; radiation protection; safety
AC installations at 1 kV and above, maximum permissible contact voltages *(Russian)* 2−49
antistatic, semiconductor devices in telecommunications 2−21413
antistatic materials for prevention of electrostatic damage, electronics industry appls. 2−13298
condenser tubesheet joint failures, protection against inleakage of circulating water, soln. 2−12470
CRT devices, flashover testing 2−5513

protection continued
distribution and transformer substations, protection against fires *(Czech)* 2−7528
electric shock, damage risk for people by currents and voltages, calc. procedure *(German)* 2−8225
electric shock, feeling and retaining thresholds for DC, AC and pulsating currents *(German)* 2−8222
electric shock protective measure, voltage/current limiting values and failure state probabilities *(German)* 2−18952
electric shocks, indirect contact protection, principle of treble safety *(German)* 2−8228
electric shocks, personal damage risks, caused by currents and voltages, protection failure *(German)* 2−13245
electric shocks through indirect contacts in TN systems, voltage drop limitation method *(Portuguese)* 2−8224
electric shocks through indirect contacts on networks using TN system *(Portuguese)* 2−50
electrical apparatus cooling using pressurized fluid, protection system using pressure sensor to prevent overheating 2−7079
electrical equipment protection, standardisation, moulded cct. breakers versus fuses 2−12737
electronic component damage by static discharge, prevention methods 2−80
electronic equipment manufacture, static protection, effects of organic cleaners and work surfaces 2−13274
electrostatic discharge protection, review of factory control and relevance to IC manufacture 2−8299
electrostatic electrification, Standard TGL 35731, in Germany *(German)* 2−2075
extended shields on substations of 400 kW and above 2−18300
helicopter, against icing, test methods *(French)* 2−12014
indirect contacts in electric plants using IT system, under second fault conditions *(Portuguese)* 2−23961
laboratory evaluation of a pilot cell battery protection system for photovoltaic applications 2−12811
microwave radio system antennas, bird-proof feed-horn windows 2−2225
microwave receiver from spurious transmitter output, bandpass duplexers, multicoupling appl. 2−10960
new wiring regulations for protection against indirect contact electric shock, UK 2−45
new wiring regulations for protection against indirect contact, United Kingdom 2−52
operational amplifier input, using FET *(Italian)* 2−5117
optoelectronic ccts. for protecting power supply sources, calculation of elements 2−722
photovoltaic system with storage overloading protection using bistable relay regulator 2−23427
portable safety transformers 2−23333
power semiconductors, cooling, packaging and protection 2−1326
power supply grid and small wind power plants, interconnection problems *(Dutch)* 2−23226
pumped storage power station, Markersbach, electrical and automation equipment, operational problems and electrical protection *(Czech)* 2−27817
railway protection devices at Seddin junction station in Germany *(German)* 2−8036
reliability modelling of logic protective networks which include dynamic redundant systems 2−140
security arrangements at International Congress in Berlin, fire alarms, patrol checks and break-in alarms *(German)* 2−55
solar arrays, shunt and blocking diode for protection 2−22697
static electrification protection methods for houses and nonindustrial buildings *(Polish)* 2−6297
static safe electronics work environment, use of ionized air, test procedure 2−13276
superconducting magnet system, quench propag., coil and protection design, computer program 2−9949
telecommunication equipment, electrical protection at subscriber's station 2−10891
telephone exchanges, remote, maintenance, control and protection 2−10919
thermoplastic resins, protection against fire, international standards *(Italian)* 2−20465
thick film hybrid circuits with interactive system, layout protection *(Italian)* 2−1059
TV camera sync failure protection IC 2−16622

protection of software, legal *see industrial property*

protective coatings
see also corrosion protective coatings; wear resistant coatings
195 MW coal-fired units, art of protection ductwork and chimney liners with coating systems 2−3925
ceramics, design and appl. 2−13856
commutator glass band protective coating 2−23314
discharge electrodes for AC gas discharge display panel, protective coatings 2−1136
electronic equipment, standards for tropical protection 2−8254
epoxy compounds, secondary passivation of semiconductor structural elements appl., comparison with silicones *(German)* 2−14779
fluoroplastic varnish, for climatic protection of sensitised photogelatin films 2−15575
HV insulators, silicone elastomer protective coatings 2−9807
metallised ceramic polyimide 2−24842
nylon jacket with silicone rubber layer for optical fibre, characts. under lateral press. 2−1687
optical fibres, single mode, microbending loss in a loose tube coating 2−1693
parylene adhesion, to various substrate materials, the effect of plasma pretreatment 2−8850
PC, silicone protective coating material 2−14380
PC assemblies, plastic protective film conformal coatings 2−24787
PCB protective solder coating thickness considerations for hot gas levelling 2−14433
PCBs, Sn immersion coating, etch resist and protective layer appls. 2−14431
plasma polymerised films as moisture barriers for alkali halide optics 2−25475
polypyrrole films, photochemically generated, protection of semicond. photoanodes 2−25156
PWB conformal coating repair techniques for USAF electronic systems 2−14379
PWB manufacturing technology, use of conformal coating/solder maskant systems for simple maintainability 2−14508
silicones, secondary passivation of semiconductor structural elements appl., comparison with epoxy compounds *(German)* 2−14779
uV radiation curable conformal coatings for printed circuit assemblies 2−14462
wirewound power resistor manufacture, protective coats based on phosphate binding agent *(Polish)* 2−960
wirewound resistor manufacture, glaze prep. and coating methods *(Polish)* 2−959
As, protective coating for $Al_xGa_{1-x}As$ MBE layers during ambient transfer 2−4999
MgO protective film deposition during AC gas discharge display panel fabrication, characterization rel. t- o ageing characts. prediction 2−5521
Si p-n-p planar epitaxial transistor, protective passivating coating props. *(Bulgarian)* 2−5692
Si_3N_4, protective coating, metal-Si_3N_4-Mo-oxide semiconductor , electrically alterable ROM, retention life extension 2−15028

protective relays *see relay protection*

proteins
see also gelatin
enzyme electrodes as practical biosensors 2−17336
VLSI, biotechnical process for micropatterning of metal using electron resist/protein composite 2−20376

protocols
accessing packet switching systems, X25 protocol 2−10848
adaptive multi-destination protocols for packet radio networks 2−6625
adaptive routing protocols for computer network linking tactical radar sites 2−6628
ARINC 429, avionic bus, protocol components and equipment *(French)* 2−3556
asynchronous reservation protocol for multiple access channel 2−21402
asynchronous transmission communication loop configuration 2−16872
authentication protocols for general communication channels 2−16199
automated factories, data highway with distributed controllers 2−10880
avionic multiprocessing system, protocol level modules 2−22678
CCITT teletext 2−16222
CCITT X.25 protocol 2−21559
COM8004 CRC generator/checker for use with synchronous data link controller protocols 2−9123
communication networks immune to isolated failures 2−2400
communications protocol description and validation by Petri nets *(Italian)* 2−16166
computer aided communication concepts *(German)* 2−26269
computer communication protocols design method, using transformation algorithm *(Japanese)* 2−10859
computer networks, conf. at Mexico City, Mexico, 1981 2−21552
concurrent processes descriptive power with synchronisation mechanisms, extended models of flow expressions 2−16172
cyclic redundancy code computation in binary synchronous communication protocol 2−26274
data communication networks, networks, their architecture and protocols 2−26285
data communication systems, performance evaluation, review 2−26284
data link controls 2−16143
data transfer protocol with blocking function, performance analysis 2−10742
data transmission protocols for remote DP *(German)* 2−21586
datagram networks, introduction to flow control *(Spanish)* 2−21399
Datex-P data package service of German Post Office, CNA-X25 modular software 2−2536
DCNA, expansion of data communication services *(Japanese)* 2−6599
DCNA database access, data communications appl. *(Japanese)* 2−6601
Demand Assigned Multiple Access systems using collision type request channels: priority messages 2−21562
description of a planned federal information processing standard for transport protocol 2−21553
design issues of protocols for computer mail 2−21477
DIAL: structuring and representing data for interchange at the application level 2−16150
duplex communication between computer terminals *(Russian)* 2−2512
duplex link level protocol 2−21561
electronic mail digital signature 2−21478
embedded memory testing, algorithmic and other signal multiplexing 2−16781
experiment on high speed file transfer using satellite links 2−21576
file transfer protocols reviewed and compared 2−6620
flow control in virtual channel computer networks *(Spanish)* 2−21398
formalisation devices for design of protocols and services 2−16197
FRBS protocol 2−21577
GBRAM (group broadcast recognising access method), local network protocol 2−16200
HDLC bit-serial protocol for process data transmission *(German)* 2−10878
HDLC modulus recursive extension 2−2426
HERMES, microprocessor based network *(French)* 2−21640
heterogeneous-plus computer networks of system 7.500, 7.700, 7.800, 6.000, 300 and TRANSDATA 9600 computers 2−21604
hidden node radio network, Broadcast Recognizing Access Method, operational performance 2−10984
hospitals, prototype generalised network technology implementation 2−21626
impact of satellite technology on transport flow control 2−21575
integrated services digital network (ISDN) 2−26189
integrated services digital network problems and local exchange structure *(Italian)* 2−21621
Integrated Services Digital Network switching office model *(Italian)* 2−21612
integrated services digital networks, customer access protocols 2−6502
interuniversity computer networks development in Japan 2−2540
Italian integrated services digital network signalling and protocol definition 2−6520
job transfer, DCNA data communications appl. *(Japanese)* 2−6600
linear common cable local networks, bit rates 2−16202
local control systems data buses, communications protocols principles, failure rates and error correction systems *(German)* 2−21550
local data transmission network/ with memory switching/ 2−2508
local networks, component description, transmission media, access, interfaces and protocols *(German)* 2−2535

protocols continued
multi-point measurements using the type UPH3200 data multiplexer with fixed program microprocessor or flexible program computer *(German)* 2−16812
multiple access protocol with request channel TDMA and slotted ALOHA time slots 2−16173
multiple access protocols in packet networks 2−6627
network congestion control 2−6605
network connection establishment protocol, SPEX language 2−21554
on-demand broadcast data retrieval protocol definition *(French)* 2−21538
packet networks with auxiliary satellite channels, design concepts 2−2545
packet voice message system, network voice protocol 2−16062
packet voice terminal hardware design 2−21679
presentation level protocols for national videotex services 2−16114
priority TDMA protocol for satellite data communications 2−6626
public key protocols, security 2−21647
railway signalling control system, appl. of packet switching techniques 2−18696
satellite channel, multiple access protocols, passive/active user classification *(Japanese)* 2−15967
serial data communication options 2−6609
shared communication channel control, data-dependent access method, full/half duplex, polled protocols 2−2524
simulation, software engineering appl. 2−21594
standardisation of transmission of words 2−6578
SUCC network architecture 2−10840
synchronous data transmission, byte oriented protocol *(German)* 2−21545
telecontrol data link protocols 2−6555
telephone and facsimile terminal introduction into existing data communication networks 2−6639
Teletex document and session protocol enhancement to incorporate encipherment and/or digital signature 2−2472
teletext high level protocols 2−16223
telex terminals accessing protocol definition, public packet switched networks appl. *(Italian)* 2−10796
terminal connection protocols in data communication networks 2−16153
testing of data communication networks 2−16212
timing measurements and evaluation 2−16201
token access, for broadcasting media 2−21410
transaction oriented recovery in distributed database systems *(German)* 2−6576
two-out COMMIT protocol for distributed communication systems 2−6607
variable data rate transmission using fibre optics 2−16203
X.25 implementation in high level software 2−10858
X.25 link maintenance, link-level software testing 2−26299
X.25 protocol, advantages and limitations 2−26264
X.25 protocol tester, appl. for business telecommunications *(German)* 2−26283
X.25 transport network, PAXNET structure 2−21628
X.75 based international links from Japan 2−2415

proton accelerators
6 MVA thyristor static compensator for the CERN intermediate booster accelerator *(French)* 2−7909
Brookhaven AGS, polarised proton accel. 2−27002
CERN super proton synchrotron, RF accelerating systems 2−27021
cyclotron, using supercond. separate sectors 2−17190
electrostatic, neutron source appl. using tritium gas target 2−17225
external beam proton microprobe, for materials anal. 2−27007
Fermilab Tevatron project, status report 2−27003
high gradient pulsed proton beam accelerating equipment, 250 keV, design and testing *(Chinese)* 2−22467
ISABELLE, project of Brookhaven National Laboratory, NY *(Dutch)* 2−3334
ISABELLE supercond. magnets, end field multipoles, orbit effects 2−25465
KEK booster, head-tail instability induced by matched kicker magnet 2−3335
linac, 500 μA, 70 MeV, for medical radioisotope prod. 2−27001
linac, (3×10^{16} protons/sec), power costs saving design 2−22456
microprobe beam line, with supercond. final lens, for Van de Graaff accelerator 2−27006
shielding, equiv. radiation dose, personal neutron film monitoring 2−11851
storage ring, amplitude growth 2−3326
storage ring ISR, current accumulation process 2−17218
synchrotron particle bunches, longitudinal dipole instability 2−17215
Tonus-Vera electron accelerator for protons collective accel. study 2−3313

proton beam effects *see proton effects*

proton detection and measurement
Irvine-Michigan-Brookhaven deep underground detector for nucleon stability study 2−27070
MWPC, low-mass detector as profile monitor for 800 MeV proton beam 2−11779
n-octane liquid scintillator, low energy proton and electron responses 2−7276
nuclear emulsions, sensitivity to proton beams with energi es of approx. 1 MeV 2−11850
nuclear emulsions, sensitivity to proton beams with energies of approx. 1 MeV 2−17286
photoproton spectra meas., withsuppression of electron background 2−11810
Soudan mine expt. for baryon decay study 2−27069
CdTe surface barrier diodes as detectors for energetic charged particles, evaluation 2−3387
Ge detector, proton loss by nuclear inelastic interactions 2−3390
^{7}LiF TLD for protons with non-monoenergetic energy distrib., light conversion efficiencies 2−11974

proton effects
interactions with O, Si, Ga, As, Au, heavy fragments energy spectra 2−14611
MOSFET device, SiO_2 ionisation by heavy charged particles 2−14858
RAM, bipolar, prediction model in high energy ion/proton environment 2−14104
semiconductor devices, soft errors due to protons in radiation belt 2−14818
AlGaAs-GaAs solar cells, deep-level defects, low temp. periodic annealing effects 2−18469
AlGaAs-GaAs solar cells, proton irrad., radiation-induced deep-level defects, annealing, DLTS, SEM 2−18551

proton effects continued
GaAs, proton bombarded and annealed, photolum. 2−15394
n-GaAs, proton implanted, IR absorpt. 2−20628
GaAs/GaAlAs injection lasers, grown by MOCVD 2−6231
Si solar cells, thin high-efficiency implementation, processing yields, electron, proton and neutron irrad. testing 2−18561
Si surface-barrier detectors, proton-induced nuclear reactions 2−17247

proton excited X-ray emission *see ion microprobe analysis*

proton magnetic resonance
flowmeter, focusing techniques for regional cerebral blood flow meas. 2−11914
flowmeter for blood flow meas. in human legs 2−11912
medical application, whole body image reconstruction 2−17377
medical imaging methods, review 2−17345

proton polarisation
beam line, proposals for 600 GeV polarised protons 2−3344
optically pumped polarised proton source, depolarisation effects 2−11754
polarised proton target for meas. in intense photon beam 2−3345

proton spectra
methane-filled proportional counters, recoil proton spectra 2−11808
methane-filled proportional counters, recoil proton spectra 2−17251
photoproton spectra meas., withsuppression of electron background 2−11810
$^{12}C(p,p')^{12}C$, 1.04 GeV scattered proton spectrum, mag. spectrograph performance study 2−11870

proving, theorem *see theorem proving*

proximity effect
Josephson current, DC, in asymm. junction, formula 2−9934
Nb noble metal clad wires, proximity effect model 2−20557
Nb-NbO_x-Pb, tunnel junctions, Nb energy gap and critical currents, temp. depend., base electrode annealing effects 2−20569
Nb_3Sn-Cu filamentary superconducting wire, in situ prep. and props. 2−5928

pseudobinary semiconductors *see II-VI semiconductors; III-V semiconductors; III-VI semiconductors; IV-VI semiconductors; semiconductor materials*

pseudoternary semiconductors *see ternary semiconductors*

PSK *see phase shift keying*

psychological optics *see vision*

psychology
electrical hazards−psychology and behaviour *(Italian)* 2−23960
emotional stress, effect on speech characteristics 2−15870
liquid crystal display, transmission type, brightness-luminance ratio, psychological expt. 2−10081
permanent memory devices for psychological examination apparatus *(Bulgarian)* 2−5711
stress evaluators, effect on speech 2−15871

PTC thermistors *see thermistors*

p.t.m. *see pulse time modulation*

public utilities
see also water supply
Canadian utilities growth to meet demand for electricity produced from native resources 2−17804
electric systems control of new energy sources 2−17651
homeostatic control appl. to control and economic operation of electric power systems 2−17652

publishing
cable TV regulatory problems in US 2−26636
communications policy issues in US caused by electronic publishing 2−6572
electrical technology, 1956-79 progress reviews in Elektrichestvo journal, Soviet Union *(Russian)* 2−4
Elektrichestvo journal, 1939-1955 publications in Soviet Union *(Russian)* 2−3
Elektrichestvo journal published in Soviet Union *(Russian)* 2−2

pulp industry *see paper industry*

pulse amplifiers
32-channel amplifier for proportional inclined chamber 2−11855
heavy nuclei fission expts. automation with TPA-i1001 minicomputer 2−7289
Josephson transmission lines, soliton amplifiers and picosecond pulsers 2−14038
linear pulsed amplifiers with distributed gain using MOS transistors 2−8997
MWPC, position resolution anal. in centroid meas., amplifier noise effect 2−3379
solid-state linear pulse amplifier system for use in the sing-around technique 2−12094
transistor videoamplifier of nanosecond pulses with increased output voltage 2−8996
triangular tube proportional chamber system for muon identification 2−11781
wideband preamplifier and signal processing filter for gas proportional detectors 2−27086

pulse amplitude analysers *see pulse height analysers*

pulse amplitude modulation
AC transducer, PFM-PAM multiplier circuit configuration *(Russian)* 2−26823
Chernoff bounds for PAM system with noise and interference 2−21266
jitter accumulation in repeaters, PLL or resonant cct. timing ccts. 2−10618
multilevel digital signals in nonlinear channels, error probability anal. 2−21261
pre- and post-filtering of deviational noise *(Russian)* 2−2243
repeater jitter accumulation, timing cct. equivalence to low-pass filter, data transmission appl. 2−10846

pulse analysers
see also pulse height analysers
No entries

pulse circuits
see also demodulators; digital circuits; modulators; pulse generators; pulse shaping circuits
acquisition and calibration electronics for MWPC with cathodic read-out 2−27082
car alarm horn pulsing cct, using 555 timer, earth strap PD sensor 2−18735
driver reliability improvement, active collector negative pulse protection 2−9055
fast-response spectrometer of positron lifetimes 2−27088

pulse circuits continued
fET short pulse driver 2−5147
Impatt diode 2−5163
Josephson transmission lines, soliton amplifiers and picosecond pulsers 2−14038
laser diodes driver circuits, based on GaAs single and double heterostructures *(German)* 2−10288
low-level ultrafast differential discriminator for photomultipliers appl. 2−27085
model train points changer cct. using diodes, relays 2−14037
NAND gate circuit, loss of pulse stream detector 2−14192
noise filters, self-optimised, microprocessor-controlled, for random pulse counting 2−22207
noise pulse rejection cct. for positive and negative edges 2−5164
pulse amplitude dividing circuit for nuclear applications 2−11853
radio pulse generator, for lasers with high freq. transverse discharge 2−15530
streamer chamber absolute γ quantum flux meas. apparatus 2−27076

pulse-code modulation
see also delta modulation
adaptive differential, signal-to-quantisation noise ratios, computer simulation 2−26076
adaptive prediction for DPCM coding of TV signals 2−15821
Australian metropolitan telephone networks, introduction of primary PCM systems 2−16054
balloon-borne ion mass spectrometer, control and data transmission system 2−12077
basic principles and encoding methods *(German)* 2−15817
block adaptive DPCM picture coding based upon partition into stationary subsets 2−21386
cinematography soundtrack, comtrak− combination photographic soundtrack 2−11304
codec+filters using noise shaping and digital filters 2−21303
codec design, single-channel LSI *(Japanese)* 2−6667
codec for PCM telecommunication circuits 2−6669
delta modulation and PCM, comparison appls. *(German)* 2−2276
differential PCM, probability charact. of estimate of message 2−21267
differential PCM, robust quantization of dependent data 2−2239
differential with adaptive quantizers, improvements in performance based on adaptive noise shaping 2−6389
digital 4-channel PCM audio recording, opera perf. appl. *(Italian)* 2−6966
digital colour TV signals, bit rate reduction *(German)* 2−2919
digital filter banks, nesting implementation 2−24610
digital PCM-ADPCM convertor for digital tandem connections 2−21304
digital speech compression system for adaptive differential PCM with time assignment interpolation, bit-slice microprocessor appl. 2−2267
digital telephone set applic. 2−16243
digital transmission system used by German Posts and Telegraph Department *(German)* 2−10755
digital transmission technique for public telephone networks *(German)* 2−2443
DPCM codecs for PSK voiceband data 2−21305
DPCM compression algorithm, appl. of pseudorandom noise 2−15938
DPCM speech channel, subsampling, to provide two half-rate channels 2−10763
E10.S/TSS.5 digital PCM switching system, appls. in private-line networks, mobile radiotelephone networks and directory service 2−6690
error rate meas. for PCM metering system *(German)* 2−10640
fibre optic communication systems in Japanese National Railways *(German)* 2−6020
filter testing, techniques and software 2−19773
fundamentals of digitalisation of analogue signals *(German)* 2−26078
hybrid DFT/DPCM interframe image coding efficiency 2−2287
insertion of 32 kbit/s coding in the telephone network: general trends and tandem connection problems *(French)* 2−6544
laboratory instruction system in PCM general charact. *(Spanish)* 2−26082
line code selection for PCM transmission via coaxial cable, five stage code *(German)* 2−10641
line code selection in PCM-transmission on coaxial cables *(German)* 2−2275
Matsushita PCM audio recorder, using digital VHS video recorder *(German)* 2−22023
multilevel digital signals in nonlinear channels, error probability anal. 2−21261
multiple-service carrier light wave systems, operational considerations 2−11098
multiplex equipment using single channel LSI codecs 2−21683
multiplex equipment using single-channel LSI codecs, transmission characteristics *(Japanese)* 2−6665
multiplexing equipment for digital networks *(Japanese)* 2−6662
multiplexing equipment using single-channel LSI codecs, digital communication appl. *(Japanese)* 2−6663
multiplexing equipment using single-channel LSI codecs, hardware configuration *(Japanese)* 2−6664
optical fibre PCM-ASK heterodyne communication system 2−21820
PCM-pulse position keying telemetry system 2−10823
PCMVCR interface for digital audio 2−11298
point-to-point PCM transmission systems, service availability 2−10892
quantizing distortion, examination for communication networks *(Hungarian)* 2−16258
remote control infrared device family using PCM techniques *(German)* 2−16870
signalling equipment in BYB construction practice 2−26077
single channel codec using an intermediate code converter 2−6668
single-channel PCM voice CODEC in NMOS technology 2−26316
space reentry vehicle instrumentation and communication techniques 2−22658
speech digitisation of telephone quality *(French)* 2−10781
speech synthesis ICs, methods based on (AD)PCM, LPC, delta modulation and parametric waveform coding *(Czech)* 2−21323
stereophonic sound signal transmission *(Japanese)* 2−2874
switching system analogue data channels automated testing 2−16281
TDM versus SDM switching arrays, comparison 2−10728
telemetry, random errors *(Czech)* 2−15849
TESLA MPK 32 PCM multiplexing equipment *(Czech)* 2−6670
timing jitter meas. 2−21265
toll quality residual encoder for speech communication, entropy coding appl. 2−10913

pulse-code modulation continued
two-dimensional DPCM image coding based on an assumed stochastic image model 2−2376
video signals, NTSC, contour prediction, adaptive DPCM algorithm 2−10705
GaAs injection amplifier, dynamic charact. 2−20904

pulse-code modulation links
560 Mb/s PCM cable transmission, optimum decision feedback receiver 2−6735
line equipment PCM 30/II for radio link system *(German)* 2−16352
metropolitan interoffice trunk route applications of fibre optics 2−2806
modular central office exchange with saturation routing scheme *(Italian)* 2−10929
primary trunk cable networks, design criteria 2−16322
regenerator design for crosstalk-limited environments, equalizer optimisation 2−2651
time division switching networks, pair relationship 2−10738

pulse control systems *see sampled data systems*

pulse frequency modulation
AC transducer, PFM-PAM multiplier circuit configuration *(Russian)* 2−26823
optical broadband fibre links using PFM coding, cable TV network 2−6827

pulse generators
see also multivibrators; square-wave generators; time bases
0.2 to 20 kHz, operating with low supply voltages 2−770
60-Hz synchroniser for logic circuits 2−769
adjustable timing generator, with rectangular pulse train shifting capability 2−14020
biomedical US pulse echo instrumentation, FET spike pulse generator 2−11907
burst pulse generator, using CD 4047, 74 LS00 ICs *(French)* 2−774
clock generator using PLL, auto-reference signal provision 2−24448
coherent pulse source 2−2001
digital pulse generator *(German)* 2−19593
double pulse pattern generator for transient NMR experiments 2−771
dual edge detector 2−14195
electromechanical pulse generator for circulant matrix finding 2−12705
fET short pulse driver 2−5147
formation of current impulses/ with operation of impulse power generator/ in energy storage mode/ 2−4296
geophysical prospecting, transient methods, shape of generating pulses *(Russian)* 2−22719
glitch-free clock start-stop mechanism using level sensitive scan design polarity hold latches 2−24446
Hewlett Packard model 8161A pulse generator for testing fast logic families 2−16994
HV high-power, for electron accelerator 2−17226
HV impulse capacitors using pure H_2O as dielec., selecting optimum shapes for insulators *(Russian)* 2−23654
hybrid timing generator with gated clock circuitry 2−24447
impulse voltage generator automatic control system *(Finnish)* 2−27997
interface chip signal generator for all standard bit rates 2−768
Josephson junction quasiparticle injector/extractor pulse generator 2−5146
Keyer accumulator, modifications to available sectioning of initial character *(Spanish)* 2−14021
krypton, to operate Kerr cell shutter for laser pulse selection 2−20921
light current electrical applications, TEC syllabus textbook 2−23918
magnetic generator with transmission line segment in compression section 2−24469
magnetothyristor 40 kV pulse generator 2−9037
nanosecond bipolar pulse generator 2−9038
portable high-power pulse generators for laser related uses, performance optimisation 2−772
precise-width, digital cct. 2−5145
programmable audio pulse generator, using 4017, 7400, NE555 ICs 2−773
programmable pulse group generator, used for electronic calculator ccts. *(Italian)* 2−9034
programmable turn-on turn-off times for pulse generator 2−14016
pulse packet generator with independent timing ccts. *(Italian)* 2−9036
pumping current pulse generator, for semiconductor laser, using a thyristor 2−14017
Q-factor measurement, using pulse generator to excite resonant ccts. *(German)* 2−22382
radio pulse generator, for lasers with high freq. transverse discharge 2−15530
random-time pulse generation having Poisson distribution *(Japanese)* 2−14023
rectangular, adjustable, using flip-flop and semiconductor pentode switch 2−14019
reed switches appl., single-trigger mode 2−14255
short duration acoustic signal generation, impulse techniques 2−3644
spark erosion machining appl. for increasing cutting speed and accuracy *(German)* 2−8117
spectrum calculations of pulse synthesizer using desk-top calculator *(Czech)* 2−14022
switched oscillator pulse packet generator, using 555 IC timer cct. *(Italian)* 2−9035
test equipment, for radio-controlled models testing *(Spanish)* 2−3173
test equipment for power transistor time parameters meas. 2−14847
thyristor generator of powerful unipolar current pulses *(Russian)* 2−7914
'tick-tock' sound generator, for electronic clocks 2−9169
trapezoidal pulse generating cct., logic control *(Czech)* 2−5148
tunable pulse generator for calibration of superconducting solenoids by NMR method 2−14018
tunnel diode microwave and digital applications 2−9223
universal sample pulse generator for PCM metering system *(German)* 2−10640
variable width two chip pulse generator 2−767
X-ray pulsed generator, monochromatic 2−17318

pulse height analysers
AI-4096 multichannel analyzer, circuit for generating and displaying tags 2−16796
AI-4096 multichannel analyzer, preliminary processing of experimental data 2−16795
avalanche photodiode noise characterisation with a multichannel pulse height analyser 2−1808
digital multichannel rapid analysers, design principles 2−16894

pulse height analysers continued
interval timer for multichannel particle energy analysis 2−11856
microprocessor-controlled apparatus for the measurement of energy fluctuations of optical sources 2−22505
million channel pulse height analyser for data acquisition, multimicroprocessor system 2−7292
multichannel analyser ICA 70, circuit examples for additional mode of operations *(German)* 2−26801
multichannel analysers, use in solid-state X-ray detectors 2−27093
multichannel analyzers, modification as Mossbauer spectrometer 2−17313
multiple-user data acquisition and analysis system for high flux beam reactor 2−7291
photon counting systems, one-electron pulse selector circuit 2−14039
pile-up error compensation method 2−22504
portable, intelligent, for material safeguards 2−7294
precision sampler, using CA 3146 transistor array *(Italian)* 2−11405
quad fast single channel analyser 2−22501
spectral measurement, multichannel, for weak light 2−16981
X-ray detectors, solid-state, pulse-processing, electronic techniques 2−27092

pulse modulation
see also demodulators; modulators; pulse amplitude modulation; pulse-code modulation; pulse frequency modulation; pulse time modulation
digital broadcasting via satellite channel, design choices *(French)* 2−21917
disturbances generated by three phase pulse burst modulated loads and the remedial methods 2−12752
nonlinear TDMA environment, pulse shaping techniques performance 2−2252
Nordsat direct broadcasting satellite project, alternative modulation methods 2−21806
optical image subtraction, quantitative, by pulse-width modulation through one-dimens. contact screens 2−6476
strip line-implemented baseband signal processor for data and dock regeneration of PQM 2−10690
ternary partial response signalling for digital magnetic recording 2−2249

pulse motors *see stepping motors*

pulse oscillators *see pulse generators*

pulse position modulation
block encoding and decoding for optical PPM channel 2−21283
optical PPM pulse sequence, statistical estimation of time of arrival 2−16480
PCM-pulse position keying telemetry system 2−10823

pulse repetition rate modulation *see pulse frequency modulation*

pulse shaping circuits
dot-form video pulse signal conversion, interface to dot-type printer 2−24466
laser excitation, elec. discharge initiation 2−9057
logic ccts. for pulse length alteration *(German)* 2−9086
microwave radio pulses, active correction of leading edge *(Russian)* 2−24436
nonlinear TDMA environment, pulse shaping techniques performance 2−2252
photomultiplier signal shaping ccts., highly sensitive 2−14251
pulse shaper for thyristor group control, AC and DC drives appls. *(Russian)* 2−24465
pulse-lengthener cct., using CMOS OR gate 2−24468
reed switches appl., single-trigger mode 2−14255
Russian Lisna and EST 62 telemechanical systems, logic modules *(Russian)* 2−24479
thyristor, design anal. 2−5166
trapezoidal pulse generating cct., logic control *(Czech)* 2−5148
TTL and NAND gate appl. *(German)* 2−9059
universal micro circuit of fast response gadence pulse shaper for charge-coupled devices *(Russian)* 2−15019
wideband preamplifier and signal processing filter for gas proportional detectors 2−27086

pulse time modulation
see also pulse position modulation; pulse width modulation
dynamic properties of pulse-time square demodulators *(Russian)* 2−24454
signal reception in microwave and optical wavebands, max. S/N ratio 2−15917

pulse transformers
construction without ferromagnetic core 2−9256
fast rise-time HV pulse transformer using solid dielec. materials, design and development 2−5389
HV, construction for operating spark-gaps *(German)* 2−970
single phase transformer in pulse mode, parameters governing operation *(French)* 2−12699

pulse width modulation
5 channel digital proportional PWM radio control system, construction 2−2713
50 kVA PWM invertor motor drive, microprocessor controlled 2−12977
amplifiers for PWM signals, low-frequency, push-pull type, losses 2−13993
complementary current impulse commutated invertor, anal. and optimisation 2−18361
computer-aided design of PWM inverter systems 2−28026
constrained optimal pulse width modulation 2−832
control appls. 2−13943
DC motor braking, pseudo-bipolar PWM switching 2−696
DC pulse-width convertors, transfer functions, voltage regulation *(Russian)* 2−18320
digital modulator for PWM transmissions, using CMOS IC, NOR gate *(Italian)* 2−19600
discrete stabilised power supply in elec. motor car, dynamic behaviour anal. *(Russian)* 2−4430
equivalent circuit model performance with PWM invertor waveforms 2−18246
frequency convertor, voltage harmonic composition *(Russian)* 2−23363
high-speed thermal printing head and its temperature control 2−19988
induction motor drive PWM invertor, microprocessor-based control system with I/O processing unit LSI 2−12759
induction motor drives, PWM invertor using gate turn-off thyristors 2−12980
induction motor PWM waveform performance anal. 2−4165
inverter circuit, used to prevent overmodulation frequency division, 555 timers 2−5155
invertor, microprocessor-based controller 2−12730

pulse width modulation continued
invertor drive characts. 2−15819
invertor driven induction motor, PWM performance anal. 2−4166
invertor driven induction motor, PWM performance anal. 2−4168
invertor driven induction motor, PWM performance anal. 2−4169
invertor driven induction motor, PWM performance anal. 2−4170
invertor driven squirrel-cage induction motor, PWM performance anal. 2−4173
invertors, digital control by microcomputer, induction motor speed control appls. 2−18363
isolating circuit, using PWM of square wave *(Italian)* 2−5310
microprocessor control of PWM inverters 2−12713
new neutral point clamped PWM inverter 2−4285
power convertor, subharmonic method 2−18332
power input control systems for electromechanical devices, marginal device performance check 2−4318
power supply for spectral analyser, portable Tektronix 492 2−13970
power transistor invertor for AC elec. vehicle drive, computerised controlled 2−18351
PULSAM amplitude-modulation system, 500 kW HF broadcasting transmitter Type B6127 2−11161
quasi-steady-state analysis of nonlinear circuits with pulse width regulation *(Russian)* 2−8953
ratio changing in pulse width modulated inverters/ 2−4287
reluctance motor invertor drive, performance anal. 2−833
RLC-circuit response to impulsive voltage with pulse-width modulation *(Russian)* 2−18321
simulation of a velocity control electrohydraulic servomechanism with pulse-width control *(Slovenian)* 2−6386
single-phase stepped-wave, using 3-level PWM inverters 2−5102
stabilized pulse width modulated regulators with an autotransformer type connection of the inductance coils 2−24403
static frequency converter for supplying sets of three-phase electric motors in elec. drive system 2−27996
static inverter AC drive efficiency 2−28145
three-phase, digitally-controlled, characts. 2−15820
thyristor transistor PWM invertor 2−18360
transformer rectifier-invertor with pulsewidth modulated voltage in AC cct., parameters determ. *(Russian)* 2−4299
transistor invertor fed linear induction motors, for rapid transit vehicle 2−13020
voltage regulator performance enhancement using pulse-width modulator 2−13940
voltage stabilizers, dynamic characteristics correction by means of feedback ccts. 2−721

pulverised coal *see pulverised fuels*

pulverised fuels
see also coal
baghouse filter design for pulverised-coal-fired boilers 2−23132
coal, electrostatic charges on clays and coal electrostatic beneficiation 2−13135
coal ash, chimney solids and trace elements from 500 MW boiler stack, charact. determ. 2−23098
coal electrostatic beneficiation using cyclone-tribocharger 2−13134
coal fired boiler, combustion air automatic trimming using flue gas CO concentration ref. 2−23099
coal gasification process by Sumitomo Metals 2−7709
experience with the use of pulverised brown coal in oil-fired steam generators *(German)* 2−23084
gas turbines, coal-burning, research advances in erosion prediction and reduction 2−12511
occidental controlled flash pyrolysis process and its application to power generation 2−7710
power generation pulverised coal technology improvement, funding methodology 2−27603
steam pulverised oil burning heat output and efficiency *(Rumanian)* 2−23086
NO_x emission reduction in pulverised coal combustion *(German)* 2−27683

pumped-storage power stations
220 MVA synchronous generator motor design and operation data in Markersbach pumped storage hydroelectric power plant *(Czech)* 2−27816
1050 MW Markersbach pumped storage hydroelectric power station in the German Democratic Republic 2−7771
1800 MW, design features 2−23190
CAES load regulation 2−12537
design, modelling and simulation of Drakensberg scheme's dynamic behaviour 2−23193
discharge level of artificial lake, optimal selection regarding costs and energy production 2−7770
hydraulic turbines, Francis-type, reversible, design *(Italian)* 2−23191
hydrothermal interconnected systems, long-term optimisation of operation *(German)* 2−12138
James Bay hydroelectric project, simulation modelling 2−3969
Markersbach, electrical and automation equipment, operational problems and electrical protection *(Czech)* 2−27817
Oberhasli undertaking *(German)* 2−22796
optimal scheduling of power systems with pumped hydro storage plants adopting non-linear programmi-ng techniques 2−7773
overview of peat gasification 2−17823
planning an underground pumped hydro project for the Commonwealth Edison Company 2−18065
plant safety and the state of the sea *(French)* 2−23180
pump-turbine boundary conditions modelling in pumped storage scheme simulation 2−23194
reversible, Bajina Basta in Serbia, putting-into-service and operational modes *(Croatian)* 2−27818
reversible multistage pump-turbine bladed diffuser conveyor flow behaviour anal. *(Italian)* 2−23192
Shin-Takasegawa, model DCN-70 plant controller appl. *(Japanese)* 2−7772
Suviana-Brasimone pumped storage scheme *(Italian)* 2−3968

pumping *see pumps*

pumping (optical) *see optical pumping*

pumping plants
control of water outlet valves by electricity provided by means of photovoltaic cells *(French)* 2−18465
irrigation, solar powered, characts. 2−18063

pumping plants continued
solar powered water pumping station in France *(French)* 2−18061
water supply, electrical power system, solar cell array appls., pump selection, monitoring and control *(German)* 2−28315
pumping stations *see pumping plants*
pumps
see also vacuum pumps
AC adjustable frequency motor control for process pumping systems 2−12976
analysis of solar powered electric water pumps/ 2−23204
BWR, integral cct. pump constructional features *(German)* 2−3884
cascade-type thyristor drive units for pumps *(Polish)* 2−23671
cavitation noise meas. techniques 2−17189
central station boiler feed pumps, buyer's specifications 2−3933
centrifugal pump, analogue simulation of thyristor asynchronous electric drive *(Russian)* 2−18237
condensate pump drives with constant speed induction motor, cost effectiveness 2−12973
control of water outlet valves by electricity provided by means of photovoltaic cells *(French)* 2−18465
drives, high-power, with convertor-fed synchronous motors, industrial appl. 2−28150
flow visualisation in pump impeller passages, low specific speed 2−12004
Fluidine water pumps charact. 2−12444
Fourier analysis of linear induction pumps/ with concentric windings/ and infinite arrays/ 2−4157
hydraulic pump control economics in the range 10 kW to 30 kW *(French)* 2−23168
induction pump, linear, boundary integral eqn. soln. 2−15616
lignite boiler, pumping phenomenon prevention in axial forms *(Rumanian)* 2−12460
linear induction pump for molten metal, one dimensional model 2−18764
micropump, solar product optimisation 2−23636
photovoltaic solar pump optimisation by static convertors driven by microprocessor 2−23378
photovoltaic water pumping with reciprocating volumetric pumps 2−23635
power plant slurry pumps for long life and minimum maintenance 2−27677
powerful asynchronous electric motors for the main circulating pumps of nuclear power stations 2−18241
production operation of submersible pumps with closed-loop adjustable speed control 2−8119
reliability in flow system, optimisation of number 2−12964
reverse running centrifugal pumps as hydraulic power recovery turbines for seawater reverse osmosis systems 2−28313
rotary pumps, vibration spectrum analysis techniques 2−26117
small hydro plants using pumps as small turbines 2−27799
solar photovoltaic water pumping system daily performance anal. model 2−18519
solar pumps, development by pompes GUINARD *(French)* 2−12856
space shuttle engine turbopump vibration charact. meas. 2−22702
special motors for pump driving units *(French, German)* 2−27950
submersible AC pump-motor aggregates coupled to photovoltaic array via DC-AC convertor, efficiency improvements 2−18521
synchronous motor driven for steam turbines *(Russian)* 2−23090
testing station for auxiliary nuclear pumps *(French)* 2−23028
thermal EHD induction pumps for cooling oil, parametric studies 2−12946
turbopump for feeding district heating power plants, reliability and feasibility *(Rumanian)* 2−12459
variable frequency centrifugal pump motor drive, optimal charact. 2−18649
washing machine manufacture, quality control, microcomputer-based system charact. *(German)* 2−8290
wastewater facilities energy cost savings 2−13131
punched card equipment
cattle fodder mixing by AC motor speed control 2−28307
punched paper tape equipment *see punched tape equipment*
punched tape equipment
IEEE-488 GPIB interface cct. for fast paper tape reader 2−19748
PL-150 tape punch with BZ-17-3A punch unit, control 2−24627
purification, crystal *see crystal purification*
Purkinje effect *see vision*
push pull amplifiers *see differential amplifiers*
push pull microphones *see microphones*
p.w.m. *see pulse width modulation*
pylons *see poles and towers*
pyroelectric devices
anemometer, preparation and flow velocity meas. 2−11662
applications 2−1548
coordinate-sensitive pyroelectric radiation detector 2−9848
detector, adiabatic versus isothermal mode of operation rel. to noise behaviour 2−15100
detectors, brief guide 2−3150
detectors for radiation extending between X-rays and IR range of freq. from 0.1 Hz to 5 kHz *(French)* 2−1553
energy converter employing regeneration 2−23652
ferroelectric-based pyroionization type converter of infra-red radiation/ 2−1549
IR detector arrays, self-scanning, noise cancellation 2−5884
IR detectors, room temp., comparison of pyroelec. and photocond. types 2−16978
IR detectors, using bolometers, pyroelectric devices, photoconductivity devices 2−11491
IR imaging instrumentation for plant and equipment testing 2−7038
picosecond pyroelectric techniques for IR pulse meas. 2−1551
Pyricon, thermal IR sensitive image tube with pyroelectric target, expt. and appls. *(French)* 2−16860
signal processing of pyroelectric vidicons *(Japanese)* 2−5515
thermodynamic considerations 2−3151
vidicon, prep. and performance of reticulated targets 2−1122
$Ba_{0.25}Sr_{0.75}Nb_2O_6$ crystals, fast-response pyroelec. detector 2−3152
$LiNbO_3$, electro-optic directional coupler integrated with pyroelec. waveguide detector, optical bistability 2−6045
$LiNbO_3$ pyroionistion converter of IR to visible radiation 2−10353
$LiTaO_3$ thin film and devices grown by electrochemical reaction 2−15101
$NaNO_2$ layers as pyroelec. radiation detectors 2−3154
$PbTiO_3$ ferroelec. thin film gate FET for IR detection 2−3153
pyroelectricity
applications in science and technology, review 2−5883
ceramics, counterpoled, polarisation and elastic vibr. distribs. laser probe meas. 2−20450
luminescence from molecular pyroelectric crysts. 2−6098
polymer electret film, polarization distrib. determ. using periodic heating 2−22354
polymer-ferroelectric composites, pyroelec. props. 2−1507
polyvinylidene fluoride, nature of pyroelectricity at low temps. 2−5831
polyvinylidene fluoride, piezoelec. and pyroelec. effects 2−5849
polyvinylidene fluoride, pyroelectricity, molecular basis 2−5833
principles and charact. parameters *(Czech)* 2−9754
space charge electrets, theory 2−1508
TGS, oblique cut crysts., advantages for pyroelec. appls. 2−20431
TGS powder-silicone rubber composite, ferroelectricity 2−20451
$LiNbO_3$ pyroionistion converter of IR to visible radiation 2−10353
$Li_2Si_2O_5$ glass-ceramics, pyroelec. 2−1465
$Pb(Zr,Ti)O_3$-polymer composites, pyroelec. props. 2−1506
pyromagnetic effects *see magnetocaloric effects*
pyrometers
see also temperature measurement
calibration, using standard radiator with automatic temp. controller 2−16982
fluidic pyrometer, plasma arc spray coatings 2−11472
hot wire micropyrometer modification for in situ temp. meas. during CW Ar laser annealing 2−25138
integral equation numerical solution 2−11490
multi-wavelength, meas. errors assessment 2−22279
suction pyrometer, design and operation improvements 2−7084
total-radiation, conical reflector parameters and telescope receiver irrad. coeff. calc. 2−1770
Q *see Q-factor*
Q-factor
active phase compensated biquadratic high pass filter 2−24593
active RC second-order filter using operational amplifier and passive devices *(Czech)* 2−24606
active-R filters, large signal instability 2−5287
active-RC filters, large signal instability 2−5287
AT-cut quartz resonator, with unwanted modes control 2−5872
dielectric ring resonator with high Q-factor 2−9218
induction magnetic probes, parameter change estimation at liquid N_2 temp. *(Russian)* 2−20551
lowpass filters, sharp cutoff, realisation by cascading low-Q 3rd-order blocks 2−19785
microwave FET oscillators using dielec. resonators, very high Q-factor 2−24711
notch filter with adjustable Q factor *(Spanish)* 2−14213
optimum matching of amp. with two parallel tuned ccts. connected in series 2−9010
programmable state-variable active biquads 2−14210
programmable voltage operational amplifier inductor, variable Q-factor *(Spanish)* 2−5386
quartz, SAW, viscous attenuation and vel. 2−25380
resonator geometry, relationship with Q factor *(Russian)* 2−24665
second order networks, selectivity criterion *(Russian)* 2−19494
semiconductor oscillator with open resonator and reflection grating 2−950
tunable noninverting integrator, HF Q-compensation 2−14233
waveguides as open resonators, microwave network theory *(Chinese)* 2−915
GaAs X-band Gunn diodes in low-Q cavity, RF charact. 2−9608
Si high-Q varactor diodes, fabrication method 2−1332
Q-factor measurement
automated, absolute Q-factor and resonant frequency determ. 2−11370
digital, of AF inductors 2−17114
inductor inductance and quality factor determ., by meas. series resonance *(Chinese)* 2−17091
pulse generator, used to excite resonant ccts. *(German)* 2−22382
resonant structures meas., using minicomputer-based system 2−11377
Q-meters
No entries
Q power factor *see Q-factor*
Q-switching
see also lasers
dye-jet laser pumped by second harmonic of Q-switched mode-locked Nd^{3+}:YAG laser 2−20850
injection-locked passively Q-switched lasers, time-depend. behaviour 2−25652
laser cavities, passive shutters, LiF F_2-centres as passive shutters 2−15531
lasing glass active elements, heat treated, charact. 2−6198
phosphate glass laser oscillator, mode-locked and Q-switched 2−10270
picosecond pulse generation, using semicond. lasers, review *(Japanese)* 2−20899
regenerative amplifier development at the Laboratory for Laser Energetics 2−1982
ruby laser self-modulation mechanism 2−20862
theory of Q-switched pulse train laser *(Chinese)* 2−6125
CO_2, freq.-selective stimulated emission in 16 μm band, resonator pulsed Q-switching 2−1882
CO_2 laser, reactive electrooptic Q-switching 2−15521
$LiNbO_3$ acousto-optic Q switch *(Chinese)* 2−15359
Nd:glass lasers under Q-switching conditions, pump pulse duration optimisation 2−20868
Nd:$La_2Be_2O_5$, x-axis laser, Q-switched operation, comparison with Nd:YAG laser 2−10269
Nd:YAG active acousto-optic mode-locked pulse laser *(Chinese)* 2−10266
Nd:YAG actively mode-locked Q-controlled laser, high repetition rate single picosecond pulses 2−10276
Nd:YAG laser with antireson. ring struct., colliding pulse mode locking 2−15479
Nd:YAG Q-switched TEM_{00} mode laser with telescopic resonator, high power single freq. operation 2−15493
Nd^{3+}:YAG tunable laser with electrooptic Q switching 2−1930
QC *see quality control*
quadratic programming
10-bus 13-line power system load flow optimisation algorithm, mathematical programming application 2−22781
chemical process, approximation programming, computational difficulties 2−4889

quadratic programming continued
chemical processes, approximation programming, FLOWTRAN models optimisation 2−4888
convex quadratic programming problem, solution methods *(Russian)* 2−376
fractional prgramming, appls. and algorithms 2−378
geophysical gravity inversion appls. 2−13624
global quadratic algorithm for solving a system of mixed equalities and inequalities 2−4908
indefinite problems parametric soln. *(Hungarian)* 2−4914
linear discrete dynamic system, parameter estimation, filtering problem under conditions of ambiguous meas. 2−22032
linear multiple regression techniques for ordered attributes 2−270
macromolecular relaxation spectrum calc. via quadratic programming with and without regularisation 2−8647
solution of optimal load flow problem/ by modified recursive quadratic programming method/ 2−3733

quadrupole lenses *see electron lenses; electrostatic lenses; magnetic lenses*

quadrupole mass analysers and filters *see mass spectrometer components and accessories*

quality control
see also reliability
acceptance control charts based on normal approximations to the Poisson distribution 2−19014
acceptance sampling by attributes, case studies 2−4727
analysis of variance with unequal variances 2−8280
application of the quality circle concept to reliability engineering 2−19050
ATE appl. as management control mechanism 2−8192
attribute sampling plans and OC curves for small lots using computer-derived hypergeometric probabilities 2−4674
auditing the QA systems of motor repairers 2−23957
automotive industry, optics and quality control 2−4677
bevel gears manufacturing 2−19005
bituminous concrete, quality assurance system of Quebec Ministry of Transport 2−112
brown coal for power station fuelling, effect of quality variations *(German)* 2−3889
BS 9000 electronic components, reliability quality factors, use of MIL-HDBK-217C model, comparative product assurance anal. 2−8286
capital expenditure in process plants, corporate view 2−18914
CCTV industrial inspection appl. 2−21971
CECON 80 conference, Cleveland, OH, USA (May 1980) 2−8161
certification marking and quality assurance 2−24012
commissioning, quality assurance *(German)* 2−19030
company's approach to Quality Circles 2−19027
comparison of development in France and various industrial countries *(French)* 2−13303
complete electronic systems, reliability of forecasts and reduction of costs *(Italian)* 2−4664
complex product quality control system in OKBK, installation problems *(Russian)* 2−19031
component screening and profitability 2−13316
computer interface for measurement signals acquisition *(German)* 2−19008
computer program for simple linear regression with censored data 2−19019
confidence bounds on the probability of meeting a poisson or binomial distribution specification limit 2−19016
consumer electricity supply stability and quality maintenance 2−7490
consumer understanding of quality design engineering and control *(Danish)* 2−19009
continuous sampling plans, CSP-21 for consumer protection 2−19017
control charts for variables, design by computer 2−4673
cusum for a scale parameter 2−19015
defect coding for systematic quality reporting and defect anal. *(German)* 2−24015
desktop computers, used for IC QC testing 2−6999
dielectric coating on inner surface of pipe, DK-1 composite quality inspection unit 2−5045
DIPS 104-02 operating system, software quality control techniques *(Japanese)* 2−6590
domestic appliances, consumer and quality control 2−4484
double sampling plans construction 2−24010
dry reed relays used in ATE, reliability enhancement, quality assurance program 2−5409
economic design of attribute control charts for mutliple assignable causes 2−8278
economical quality control policies for a single cause system 2−24004
EHV insulator fittings, manufacturing parameter importance 2−3777
electric machine defects detection, diagnostics system 2−4010
electronic component quality, application-oriented description, ppm concept 2−19010
electronic components, quality and reliability, Indian standards 2−24019
electronic components integral nonlinearity diagnostics, review 2−68
electronic equipment, goods inward control of semiconductor components *(Danish)* 2−19011
electronic equipment testability and diagnostic resolution, effects on test quality 2−4678
electronic packaging and production, conf., Anaheim, CA, USA (Feb. 1981) 2−24001
electronics industry, ionogenic contamination measurement and control *(German)* 2−13280
electronics industry management, UK vs. foreign competitors 2−4667
electronics industry quality circles in USA and Japan 2−8276
environmental compliance and universal quality assurance 2−19023
equipment testing and managing test problems 2−84
flight dynamics operations, mission-critical 2−27235
fossil fired unit reliability at low cost with selective QA modules 2−12468
governing and protection system of 200/210 MW steam turbine 2−27711
graphical method for estimating the parameters of a truncated normal distribution 2−117
GTD-5 EAX digital printed wiring card test philosophy 2−2618
GTD-5 EAX digital switching system 2−2616
household electrical appliances, role of marketing organisations 2−4482
HV switchgear quality assurance 2−12747
hybrid thin-film circuits, throughplatings testing and reliability *(German)* 2−9334
IC dimensional metrology, 1981 status *(French)* 2−25321
IC reliability, standards and economical aspects *(Italian)* 2−5762

quality control continued
ICs 2−9695
image digitiser function and appl. 2−22276
in-circuit testing data processing 2−8292
INCOS automatic product inspection system using computerised picture processing *(German)* 2−4676
induction motors, explosion-proof, for mines, manuf., quality and reliability *(Russian)* 2−4132
industrial reliability aspects during the production process *(Dutch)* 2−13312
instrumentation *(German)* 2−8287
instruments, assembly failure prevention 2−3170
instruments industry quality control organisation and implementation *(Hungarian)* 2−19021
IRAS satellite Operations Control Centre, attitude control subsystem performance verification 2−22710
Japanese model of quality assurance *(German)* 2−19029
local radio broadcast studios 2−16553
magnetic particle quality inspection of drilling equipment and tool parts 2−13894
magnetic quality control measurement methods for permanent magnets 2−3260
manufacturing computer control test data extraction *(German)* 2−111
manufacturing data acquisition system using semi-automatic real-time data collection 2−3095
measuring the performance of inspection and sorting systems 2−24009
medical fluoroscopic X-ray systems, added quality control meas. 2−17374
memories and LSI test quality and efficiency optimising system 2−19689
metalclad SF_6 switchgear for voltages of 300-1200 kV and fault currents up to 63 kA 2−7955
metallurgical industries quality control departments function and economics *(Spanish)* 2−4487
Meteosat product-assurance program 2−3526
microelectronic and electromechanical component testing using sensors *(Dutch)* 2−19022
microprocessor-based balance 2−26745
Migatronic welding machine, design and development 2−13111
modified skip-lot sampling plan 2−115
monolithic IC reliability and quality assurance, testing during life cycle, mass production aspects *(Japanese)* 2−8314
moving material, automatic surface inspection method *(German)* 2−124
multilayer PCBs, dimens. stability test method, systematic approach 2−24794
new dimensions in quality education 2−4585
nomography for determining variables sampling plans 2−19020
Norway's experiments 2−121
Norwegian telecommunication system, KVASIT project for quality control *(Norwegian)* 2−26225
optical metrology, electronic and electrical instrumentation appls. *(Portuguese)* 2−11332
optimal conditions for preventative replacement *(French)* 2−23962
outgoing quality distributions for MIL STD 105D sampling plans 2−19018
PABX service quality, field test system *(Japanese)* 2−16308
PC boards, manufacturers QC procedures 2−24791
PCB IR fusing and board cleaning 2−24812
PCB manufacture 2−9302
PCBs, high-volume cross-sectional evaluation, quality control, consideration of planning factors 2−14457
PCBs, IPC Multi-Purpose Test Pattern B-25 meas. of dimensional and elec. characts., quality control 2−14395
PCBs 'product test plan' preparation procedure 2−19985
PCBs alternative test strategies economic comparison using quality curves 2−19984
perceived DU ratio in subjective evaluation TVB images impaired by multiple ghosts *(Japanese)* 2−6914
photosensitized material manufacture, Japanese approach to quality control 2−4668
plant quality evaluation, new audit procedure 2−19024
power station design, planning and construction management for adequate QC maintenance *(German)* 2−27601
practical problem of ensuring the quality of electronic components and devices *(German)* 2−19007
principal components and factor anal., additional topics related to principal components 2−118
principal components and factor analysis 2−8283
process, simultaneous pairwise comparison tests among treatment means 2−119
product assurance, project manager's guide 2−8301
product quality judged by customers, company approach 2−120
product quality maintenance, computer appls. *(Croatian)* 2−13304
production line management, strategy decisions, manufacturing situations, quality 2−13278
quality assurance activities on photovoltaic arrays 2−18484
quality assurance in engineering design 2−4670
Quality Circles, used for increasing employee motivation *(Spanish)* 2−13302
Quality Control Circle programs: what works and what doesn't, supervisory training 2−4675
reliability control by function orientated quality maintenance *(Dutch)* 2−13313
reliability improvement, systematic approach *(Dutch)* 2−13310
sampling inspection for the two-parameter exponential distribution 2−8274
sampling plan choice simplification using single gauge 2−116
scientific research and development and quality assurance 2−4596
semiconductor memory testing diagnostics and anal. 2−19691
semiconductor memory testing economics 2−18929
Siemens quality-assurance program for large systems, functions and capabilities 2−123
simple test for normality 2−187
simplified process controls based on acceptance sampling by attributes 2−4672
single sampling attributes plans indexed by AQL and AOQL 2−24011
software quality assurance *(Danish)* 2−19012
software quality assurance for automated calibration laboratories 2−26760
solar cell, vertical, internal elec. field distrib. 2−12865
Soviet QC experience 2−19025
stability regions in optimization of the quality of electric energy *(Russian)* 2−12135

quality control continued
standardisation of quality assurance and applied statistics *(German)* 2−19028
static control materials, surface resistivity monitoring, fixture design, quality control 2−17094
statistical quality assurance, appl. *(German)* 2−24008
statistical quality assurance, mathematics fundamentals *(German)* 2−13301
steel, alloy 40Kh, heat treatment quality control, inspection instrument, electromag. losses in mag. reversal in weak mag. field meas. 2−13895
steel, C, magnetic method of quality inspection of high temp. tempering 2−13893
telephone exchanges, quality of service measurement 2−10903
thermoplastic pipe joint, holographic NDT technique for quality control 2−24346
thick film ink formulation and manufacture considerations 2−24831
thread rolling monitoring, using electronic instruments 2−8289
tolerance intervals for poisson and binomial variables 2−8279
tools for controlling quality 2−8275
TV pictures, subjective assessment technique 2−6909
two sample Kolmogorov-Smirnov test, computer programme 2−8285
two-point double variables sampling plans 2−114
two-point optimal narrow limit plans with applications to MIL STD 105D 2−8277
typewriter print velocity pendulum for quality control appls., typehead velocity meas. 2−19013
Wald's sequential sampling technique, classification of inspectors by sensory tests 2−24005
washing machine manufacture, microcomputer-based system characts. *(German)* 2−8290
wave soldering optimization 2−24797
weighing standardisation and legislation, impact on production and quality control 2−22413
welds in steel pipes for HV transmission towers, automatic ultrasonic test equipment appls. 2−7464
welds in steel structures, automatic ultrasonic test equipment appl. 2−7465
wide variety of AOQ and ATI performance measures with and without inspection error 2−113
wire enamelling method and quality control *(Rumanian)* 2−19908
workpiece diameter, vibration and position sensing by laser, quality control automation 2−10395
X-ray equipment for industrial product safety and quality check 2−4671
Al alloy AK4-1, heat treatment quality inspection by EM method 2−640
$Al_xGa_{1-x}As$ LED fabrication, epitaxial p-n structures quality estimate 2−25119
GaAs FET operating function temp. meas., elec. thermal testing for quality control 2−14875
SF_6 insulated switchgear, HV testing 2−12748
Si quality statistical estimation, specific resistivity inhomogeneity determ. 2−25120
W wires for filament lamps, quality study *(Russian)* 2−18745

quality factor *see Q-factor*

quanticule theory of chemical binding *see bonds (chemical)*

quantisation (communications) *see analogue-digital conversion*

quantitative analysis *see chemical analysis*

quantum counters *see photon counting*

quantum electronics *see quantum optics*

quantum generators (optical) *see lasers*

quantum optics
see also nonlinear optics
free electron laser, stimulated emission of bremsstrahlung in periodic mag. field 2−20774
image intensifier, dye-laser based, using rhodamine 6G solution in ethanol *(Russian)* 2−11380
laser optics, conf., Leningrad, USSR (Jan. 1980) 2−18844
lasers, multi-photon, quantum theory 2−20776
optimally guided EM interactions, with two level waves and lasers *(Croatian)* 2−10178
swept-gain three-level amplifier, pendulum eqns. 2−1827
YAG and $LiNBO_3$ crystals for quantum electronics 2−20610

quartz
32 kHz quartz wristwatch, integrated temp. compensating system 2−25396
AT-cut quartz crystal stable narrow band-pass filter at 150 MHz 2−20472
AT-cut quartz resonator, with unwanted modes control 2−5872
crystal, structural props. under dielec. load 2−1466
crystal etalons for far-IR methanol laser interferometer 2−20927
crystal monitor, HF oscillator 2−25404
crystal oscillation modes and crystallographic angles of cut rel. to freq. of appl. *(German)* 2−9831
crystal resonator, AT-cut, temperature variation of equivalent circuit parameters obs. 2−5874
ferrobielastic switching, effect on piezoelec. elements, stress distrib. anal. 2−20449
generator temperature dependence compensation *(Bulgarian)* 2−1525
ion beam, etching techniques to overcome nonuniformity 2−20286
IR properties of quartz wool multiple scatt. 2−21084
MIM structures, quartz interlevel insulation, reliability evaluation 2−25100
monolithic quartz filters, design, realisation and alignment methods, empirical correction of elastical analysis *(Italian)* 2−9835
oscillators, factors affecting freq. stability *(German)* 2−5869
oscillators, freq. detuning *(Czech)* 2−5876
piezoelectric extensometer recorder, for measuring dynamic forces *(German)* 2−17138
piezoelectric quartz three component force transducers type YDS-III 79B, YDS-III 79K, study and design *(Chinese)* 2−1528
piezoelectric resonators, natural freq., effect of intrinsic streams in deposited thin films 2−9833
planar quartz deposition, decoration of micro-pits 2−20290
resonator, nonlinear resonance, non-rational frequency division *(French)* 2−20470
SAW, viscous attenuation and vel. 2−25380
spiral gauge, appln. to interaction second virial coeff. meas. 2−26987
SSB 10.7 MHz IF crystal filter for CB transceivers using integrated capacitor cct. 2−5868
substrate for Si polycryst. film, CW laser recrystn. 2−1149

quartz continued
surface skimming bulk waves, rel. to reflection suppression in devices 2−25413
synthetic single crystals, electronic component materials manufactured in Polish Electronic Materials Research and Production Centre *(Polish)* 2−1524
watches accuracy assessment using twin-quartz oscillator, digital simulation 2−25393

quartz resonators *see crystal resonators*

quasars
see also stars
optical astrometric measurements, relativistic effects 2−6880
radio-inteferometric meas. relativistic effects 2−6880

quasi-stellar objects *see quasars*

quasi-stellar sources *see quasars*

quenching (thermal)
see also splat cooling
β-copper phthalocyanine, photocurrents thermal quenching and thermally-assisted optical quenching 2−15378
copper phthalocyanine films, photocurrents, O_2 and H_2 effects on thermal quenching and thermally assisted optical quenching 2−15379
β-copper phthalocyanine thin films, transient photocurrents, thermal quenching effect 2−10115
electrical distribution cables, numerical model for simulation, curing rat es 2−22925
electrical distribution cables processing, numerical model for simulation, heat and mass transfer 2−22924
filamentary A15 superconductors, developments in the UK, review 2−5920
steel, low alloy, medium- and high-strength, AE during ductile fracture, effect of proof stress, composition and microstruct. 2−13880
steel, Ni (3.5 wt.%), AE during deform. and fracture, microstruct. effect 2−13879
superconducting magnet system, quench propag., coil and protection design, computer program 2−9949
superconducting solenoid magnet, normal zone propag. vel. 2−15276
Fe-Si alloys, high Si content, mech. and mag. props., recent studies 2−15114
Fe-Si alloys, rapidly quenched, mag. props. 2−9851
GaSe, slowly relaxing cond. and elec. memory effect 2−14630
InSe, slowly relaxing cond. and elec. memory effect 2−14630
Nb-Ti/Cu composite superconductor, formvar coated, supercond. recovery from postquench conditions 2−5934
Si, laser annealing, rel. to LPE *(Japanese)* 2−1166
Si:H, amorphous, plasma deposited, photocond., temp. depend. 2−1778

queueing theory
$M/G/1$ queueing system with dependent interarrival and service times 2−13412
blocking in a shared resource environment 2−10729
broadcast routing in packet switching networks 2−21394
Brownian excursion process, M/M/1 queue and occupation times 2−24065
buffer analysis for asynchronous data interpolation in analogue speech 2−10658
busy period distributions for two heterogeneous queueing models/ involving batches/ 2−195
circuit-switched communication networks, theory of traffic engineering 2−6490
computer communications, collision-free local area bus network performance analysis 2−26166
computer network power, invariant property 2−21633
computer networks, flow control, model of window mechanism, blocking-type queueing system 2−21603
computer networks with simultaneous resource possession and heterogeneous jobs, approx. soln. 2−26165
computer priority service and random server interruptions, Poisson arrivals 2−4734
congestion control scheme for window flow controlled computer networks 2−21634
convergence rate in ergodicity and continuity theorems for systems with refusals 2−24066
customers-number joint distribution queueing model 2−4735
data communication systems, performance evaluation, review 2−26284
data switching queueing model 2−21560
demand assigned multiple access satellite system, capacity allocation, analytical results 2−26163
deterministic scheduling model 2−13260
diffusion approximations for the cooperative service of voice and data messages 2−8434
discrete buffered system, Poisson arrivals, priority service random server interruptions, queueing time of data packets 2−2410
discrete time queueing system with cyclic service and nonpreemptive priority 2−13401
discrete time systems anal. 2−213
dynamic behaviour of time-varying queueing systems *(German)* 2−8438
$E_k/G/1$ queue semi Markov anal. 2−212
epidemiology, Lagrangian distribs. appls. in queueing theory 2−191
exact mathematical models for the solution of distributed systems *(Italian)* 2−21593
finite intermediate waiting room tandem queue, moving server with walking time 2−19108
fleet maintenance, (S-1, S) spare-part inventory policy 2−18954
flows in queueing networks, martingale approach 2−200
free servers for systems with refusals, behaviour 2−4736
G/G/s, time and customer stationary characteristics 2−208
general purpose multiprocessor with hierarchical structure, design principle 2−4738
GI/G/1 loss system, distribution of interoverflow time 2−24064
GI/M/1 queue control by conditional acceptance of customers 2−192
GI/M/2 queue analysis, using supplementary variables approach, Laplace transforms *(Japanese)* 2−8440
GI/PH/1 stationary waiting-time distributions 2−24061
IBM SNA virtual route pacing control, model and anal., Norton equiv. of queueing model 2−2546
independent computing systems, shared resource queueing model 2−10865
infinite-server queues, networks 2−24059
insensitivity in queueing systems 2−24056
invariance properties, computer-communications systems 2−19106
large telephone network, models and control structure 2−16068
least positive root of the characteristic equation z=K(z) 2−189

queueing theory continued
M/G/1 queuing system with removable server, optimal control 2−19105
M/G/1 system hysteretic control 2−209
M/M/1 dynamic priority queue with optimal promotion 2−206
M/M/1 finite queue passage times 2−210
M/M/1 queue, optimal control for entry of many classes of customers 2−13411
machine interference model/ with threshold effect/ 2−197
macrodescription in presence of transit flows 2−10748
Markov drift processes steady state anal. 2−301
mixed-media networks, interaction between routeing and multiple access 2−16450
mobile radio system with two types of customers and priority, anal. 2−2730
modeling and analysis of flow controlled packet switching networks 2−21558
multi-server queues with group arrivals and exponential services, algorithmic methods 2−13403
multiaccess satellite system, capacity allocation, analytical results 2−21810
multidimensional processes, renewal process and rare events limit theorems 2−201
multiprocessing systems, functioning models of systems with arbitrary dispatching control algorithms under periodic service *(Russian)* 2−13404
multiprocessor based switch for satellite communications 2−6480
multisequences with nonexhaustive and cyclic service, relationship of number of waiting customers to waiting time 2−8441
non-stationary input stream queues, Ross's conjecture 2−4730
not completely accessible schemes with allowance for repeated calls 2−8432
open tandem queueing systems with blocking, anal., iteration method 2−4732
optimal operating policies for GI/G/1 queueing system, approximate anal. 2−199
optimal strategy for activation of a servicing device in one class of systems with group servicing 2−13413
PABXs, optimum load distribution on operators, multiserver stochastic service system *(Hungarian)* 2−6695
packet switching, queueing models, anal. using algorithmic technique, bursty input traffic 2−2409
paired customers queues 2−8436
PH/PH/c queue, asymptotic exponentiality of tail of waiting-time distrib. 2−4731
point process approx. by renewal process, indirect approach 2−19107
Poisson output of queueing systems with dependent service times 2−13409
Poisson transform, appl. to queueing analysis in computer communication networks 2−6458
priority assignment using dynamic programming for class of queueing systems 2−193
priority queueing using double input channel priority network 2−10725
problems discussion 2−207
processor-sharing of two parallel lines 2−24062
pulse measuring system, self-diagnosis technique 2−27083
pulse measuring systems, self-diagnosis method 2−27084
quasi-static routing and flow control algorithms, interactions 2−21409
semi-Markov processes, generalised, insensitive average residence times 2−24093
sensitivity assessment of regenerative processes 2−24057
single server queue with platooned arrivals and phase type services 2−19104
single server queue with Poisson arrivals and multiple transaction, steady state soln. 2−203
single server queue with two types of customers and alternating service in pieces of l_1 and l_2 2−211
single server queueing system with variable service rate dependent on waiting time 2−4733
single server queues, estimation 2−13410
single server queues, optimal interarrival time, D/PH/1 queue 2−190
single server queues with mixed renewal and Poisson inputs, waiting time moments existence 2−202
single server queues with periodic Poisson input 2−24060
single-line system, asymptotic expansion for moments of sojourn time in admissible set of states 2−8433
stability theorems for queueing systems without delay 2−24058
stationary marked point processes inversion formula 2−205
stationary probabilities in a system with discipline of advantageous distribution of a process 2−8431
stationary random processes associated with point processes, book 2−4737
storage problem of GI/G/r(x) store and approximating solution 2−4698
store-and-forward data communications networks, two-queue nonuniform message channel, delay anal. 2−26167
tandem queueing system with gate attended by moving server with walking time 2−19109
tandem queues, waiting times comparison 2−8437
task orientated multipriority system, anal. 2−13405
terminal system model 2−2541
time assignment speech interpolation technique, private line voice concentrator, performance anal. 2−2317
traffic-light problem, fixed-cycle, anal. 2−8435
transient behaviour of queueing networks/ 2−196
transient state probabilities/ for a queueing model/ where potential customers/ are discouraged by queue length/ 2−198
two partially observed competing queues, stochastic control 2−194
two server queue with nonwaiting customers receiving specialized service 2−24063
two-stage queueing model with finite waiting room and blocking, efficient numerical calc. 2−10737
waiting time distribution for call-processing tasks in an SPC telephone system, offered to the processor via a clock-pulse operated gate 2−10733
waiting time distribution in a queue with a bulk service rule 2−8439
waiting time in model categorised priorities 2−13402

queuing theory *see queueing theory*

R and D management *see research and development management*

R waves *see Rayleigh waves*

race conditions *see hazards and race conditions*

raceways, cable *see electric conduits*

radar
see also Doppler effect; optical radar
American navy EW and C^{3}CM 2−2167
coherent polarization-diversity radar, propag. effects 2−25948

radar continued
FMCW, digital signal processing for target detection 2−2818
laser and microwave radar/, differences and similarities 2−2834
microwave '81, conf., Amsterdam, Netherlands (Sept. 1981) 2−23888
microwave Doppler, radar for meas. of velocity and distance of traction vehicles 2−16502
near-millimetre wave target signature and propagation characts. meas. 2−22380
PRF pulse Doppler radar using FFT signal processor, target detection characts. 2−11116
radio location and modern radar developments *(German)* 2−16496
range-height-angle charts with lookdown capability 2−25927
signal processing, comparison of digital, CCD and SAW technologies 2−2829
synthetic aperture radar images, speckle anal. and smoothing 2−2814

radar altimeters *see radioaltimeters*

radar antennas
amplitude assignment error compensation in radar antennas *(German)* 2−21244
array, electronic steering, beam pattern, process controlled antenna *(German)* 2−21243
array radars, review 2−26533
electronic warfare antenna systems, past and present, review 2−26033
European Remote Sensing Satellite, slotted waveguide array antenna 2−6368
FM-CW radar, phase modulation by driving microwave antenna *(Japanese)* 2−16501
ground-based target imaging, distorted-aperture array, X-band, radio camera algorithm and expts. 2−2824
multipurpose antenna array, 432 MHz, amateur radar appl. 2−10590
phased arrays, electronic scanning techniques, radar and satcom appls., future prospects 2−26065
sidelooking radar sets, radiation patterns under short pulse conditions 2−2831
target identification radars, cross-section and antenna pattern meas., 100 MHz to 100 GHz 2−21865
time optimal control of the mirror track radar antenna 2−16503

radar applications
aircraft, electronic systems for detecting submarines 2−11113
aircraft classification, optimum frequencies determ. 2−7404
atmosphere clear air turbulence, Doppler-radar meas. at 1290 MHz 2−7432
atmospheric turbulence meas., dissipation rates in thin layers 2−27273
automobile tracking using terrestrial Loran-C 2−16505
battlefield electronics, functions and applications *(Finnish)* 2−26523
biomedical electronics, arterial pulse shape detection, using CW radar circuitry 2−27122
digital color weather radar remoting and integrated graphic systems 2−2564
dual-polarization radar, appl. to rainfall distrib. meas. 2−22722
fishing industry 2−11123
IR, robot's multi-sensor system using three-dimensional vision 2−7093
meteor showers, radiant distribs. imaging using microprocessor-based radar system 2−26566
meteorology, normalised equivalent radar refl. for water and ice 2−2144
ocean wave spectra meas., short pulse and dual freq. radar techniques 2−27289
rain attenuation measurement using dual-frequency radar 2−21108
rainfall, relation of radar estimates to satellite-based thunderstorm intensity 2−7434
reentry environmental conditions forecasting, cloud particle effects determ., real-time processing 2−22659
remote sounding of atmosphere and ocean, for climate research 2−3585
SAR imagery of ocean waves 2−6854
satellite radio communication, effect of rain zones determined by dual polarisation radar *(Spanish)* 2−11023
sea surveillance, scanning radar or side-looking radar systems 2−21862
sea-state, surface current and surface wind surveillance, by decametric radar 2−22736
SLAR imagery of sea, tidal patterns and currents obs. and bathymetry 2−7445
soil moisture estimation, appl. of aircraft active microwave meas. 2−3622
soil moisture remote sensing using side looking radar 2−12085
Venus, surface reflection of radio waves, analysis of shape of Doppler spectra 2−21886
weather forecasting, characts. of radar echoes from pre-monsoon squalls over Dum Dum, India 2−3603

radar clutter
94 GHz, reflectivity of materials 2−26522
coherent 95 GHz radar achieves 40 dB sub-clutter visibility 2−26535
dual-band search radar, targets and clutter for exptl. system, video processing 2−11111
periodic clutter cancellation filter for microwave radar signals, freq. characts., S/N ratio improvement 2−2821
target designation, optimal techniques 2−6849

radar cross-sections
94 GHz, reflectivity of materials 2−26522
anisotropic linear target recognition from RCS diagram 2−26519
bistatic scattering by three-sided pyramid, appl. of GTD-MM technique, results for radar cross-sections 2−2109
cavities, measurements in anechoic chamber at 10 GHz 2−2822
cone of finite length, EM wave diffr. 2−2148
Ku-band ocean wind/radar signature, using SeaSat-A scatterometer 2−27280
microwave scatterometer for terrain surface meas. *(Japanese)* 2−3578
MM-wave reflection and transmission meas. of textile materials at normal incidence 2−22378
optimal polarization concept in radar imaging 2−17557
SAR response to orbital motion of azimuth ocean waves 2−17576
scattering from rough surfaces, vegetated areas, conf., Alpback, Austria, 1981, Mar. 2−18868
sea surface backscatter from SAR, basic concepts 2−17575
Swerling I target detection probability analysis, on two correlated obs. 2−6853
target identification radars, cross-section and antenna pattern meas., 100 MHz to 100 GHz 2−21865
target reconstruction from 3-dimensional far field multistatic scattering data, new approach 2−2823

radar displays
see also cathode ray tube displays; fluorescent screens
ATC, BRANDS alphanumeric radar display system for tower controllers 2—12045
time-compression, interleaved-trace S/N loss avoidance 2—6856
radar echo areas *see radar cross-sections*
radar equipment
6-bit monolithic video flash A/D convertor 2—24566
375-MHz SAW oscillators in UHF Transit satellite links 2—24432
aircraft nose radomes, design and manufacturing aspects 2—12020
aircraft radomes, design and performance review 2—12026
aircraft threat-alert and collision avoidance system 2—22641
autodyne, relationship between sensitivity and range of operation and radar parameters 2—11112
balanced mixer MICs in dielc. image guide, 94 GHz radar appls. 2—6858
coherent 95 GHz radar achieves 40 dB sub-clutter visibility 2—26535
electronic countermeasure systems, logarithmic amplifier, semi-custom IC 2—26532
electronic warfare training using radar EM interference environment, simulators 2—26531
frequency-dispersive SAW filters, used for radar pulse compression *(German)* 2—20478
Gunn oscillator MICs in dielc. image guide, 94 GHz radar appls. 2—6858
LOG-T adaptive detector, performance analysis *(Italian)* 2—11110
microwave moving target indicator, used for miniature traffic radar *(German)* 2—26526
MM-wave Extended Interaction Oscillator tube technology, appls. to radar operation at 95 GHz 2—21864
MM-wave radome performance, materials implications 2—22359
modern radar systems, components description and developments *(German)* 2—21860
Nimrod Airborne Early Warning aircraft, mission system avionics 2—12019
overhead wire detection techniques for helicopters 2—12022
p-i-n diodes, appl. in RF telecommunication and radar systems *(Italian)* 2—19813
PLLs upconvert chirp radar signals 2—2826
S-band pulsed power transistor, used for solid-state phased-array radar 2—945
satellite advanced onboard signal processor 2—16444
surface acoustic wave devices, uses and advantages 2—11115
wideband IFM radar receivers, limiter circuit based on rapid AGC cct., S-band appls. 2—26530
X-band pulsed amplifier using GaAs FETs 2—24420
radar interference
see also radar clutter
electronic warfare training using radar EM interference environment, simulators 2—26531
S/N ratio calc., in pulse and pulse Doppler radars 2—6852
sidelobe canceller performance, evaluation 2—21857
radar measurement
astronomy, relativistic effects in radar, optical and radio-interferometric meas. 2—6880
Doppler for speed meas. 2—3280
glacier beds sounding, detailed study using radio-echo techniques 2—7441
ionosphere sounding, anal. of radar waves incoherent scatt. in auroral ionosphere 2—7431
Ku-band ocean wind/radar signature, using SeaSat-A scatterometer 2—27280
ocean backscatter meas., X-band FM/CW, North Sea Platform Noordwijk project 2—27281
radio meteor radiant distributions imaging, method using microprocessor-based radar system 2—26566
radiowave scatter suppressor, scatter coeff. meas. 2—3266
scatterometer measurements on crop and soil surfaces, agricultural monitoring appl. 2—17590
sea ice broad-band backscatter meas. from low-altitude 2—26529
sea-ice microwave signatures, simultaneous scatterometer and radiometer meas. 2—27282
synthetic aperture radar, spacetime for planetary geodesy and navigation 2—22646
target signature identification, appl. of EM scatt. technology and computation techniques 2—26534
time-domain scattering profile, using baseband radar with log-periodic antenna and post-reception processing scheme 2—11109
Venus, surface reflection of radio waves, analysis of shape of Doppler spectra 2—21886
radar receivers
burnout by other radars, withstand levels assessment 2—16497
coherent MM-wave radar receiver 225 GHz, low-noise balanced mixer, all solid-state 2—21867
electronic intelligence receivers, microwave freq. sources, low-noise types, PLL appls. 2—16500
ESM receivers based on SAW channelizer and FFT processor 2—2828
MIC fin-line receiver front-end, Ka-band, radar or radiometer noise reference appls. 2—24709
multi-level quantisation, optimisation and performance 2—2240
RF signal acquisition, receiver tools 2—2827
SAW channelized receivers for electronic warfare, contiguous filter bank 2—16499
SAW multiplexer application in FMCW radar systems 2—2830
tunnel diodes excel as DC-coupled detectors 2—5724
GaAs MIC receivers for communications and surveillance 2—6742
radar stations
adaptive routing protocols for computer network linking tactical radar sites 2—6628
radar systems
225 GHz radar system from Georgia Tech, preliminary test results 2—26538
ADSEL secondary surveillance radar development, used for air traffic control 2—26525
advanced ground surveillance radar system for battlefield use 2—16510
air defence, tactical operations control systems 2—11114
air traffic computer control, development trends *(Italian)* 2—3571
air traffic control systems, air situation image building by tracking independently sampled radar measurements 2—22708
antenna and monolithic MIC T/R module architecture for an advanced airborne fire control radar system 2—21869
antisubmarine warfare equipment development, oceanographic parameters 2—6859
radar systems continued
baseband radar with log-periodic antenna and post-reception processing scheme 2—11109
battlefield electronics, functions and applications *(Finnish)* 2—26523
coherent 95 GHz radar achieves 40 dB sub-clutter visibility 2—26535
coherent imaging radar systems, scatterometer appl. 2—16506
components description and developments *(German)* 2—21860
dual-band search radar, targets and clutter for exptl. system, video processing 2—11111
ECM equipment perf. evaluation using EW evaluation program (EWEP), airborne military systems appl. 2—3553
EW systems for Air Forces, user's perspective 2—3554
filmed radar echoes, automated tracking using PEPR system 2—21866
FM-CW radar, phase modulation by driving microwave antenna *(Japanese)* 2—16501
frequency agile radar systems technology, charact. *(Spanish)* 2—21863
ground-based target imaging, distorted-aperture array, X-band, radio camera algorithm and expts. 2—2824
helicopter collision warning device, using microwave radar 2—27252
high resolution near mm-wave imaging, segmented aperture approach 2—22166
identification friend-or-foe (IFF) system requirements for modern weapon systems 2—16495
L-band tracking radar system,, for rocket acquisition and operation *(Japanese)* 2—16494
microprocessor-based radar system, appl. to radio meteor radiant distribs. imaging 2—26566
microwave interferometry appl. in target detect., recognition and identification for military systems 2—16498
moving target selection systems, intersurvey signal correlation 2—26521
netted military radar program at Fort Sill, Oklahoma, USA 2—16511
PATRIOT radar system for tactical air defence 2—16509
phase instability induced spectral spread 2—21868
phase-array, signal processing for target detection 2—6857
polarisation-vector processing to increase detection capability of a radar system 2—2816
police speed timing, electronic countermeasures used in USA 2—16504
radio location and modern radar developments *(German)* 2—16496
remote sensing scatterometer system operations, development 2—17589
SAR 580, scattering theory for moving surfaces, ocean appl. 2—16508
scattering from rough surfaces, vegetated areas, conf., Alpback, Austria, 1981, Mar. 2—18868
sea surveillance, scanning radar or side-looking radar systems 2—21862
secondary Adsel/DABS data link performance for air traffic control appl. 2—27257
SLAR system for remote sensing earth resources 2—3586
solid state, 95 GHz tracking radar system 2—21870
space-based radar, prospects 2—26536
subsurface sounding of stratified media, Doppler frequency shift meter incorporation 2—2820
synthetic aperture, transfer functions for partially coherent systems 2—16507
target signature identification, appl. of EM scatt. technology and computation techniques 2—26534
vehicle automobile lateral control, using two-freq. radar 2—26561
wind shear detection system for airports 2—26537
radar telescopes *see radiotelescopes*
radar theory
anisotropic linear target recognition from RCS diagram 2—26519
bistatic scattering by three-sided pyramid, appl. of GTD-MM technique, results for radar cross-sections 2—2109
canceler performance degradation, multiple sidelobe, due to estimation noise 2—6850
dielectric resonators, creeping wave excitation of eigenvibrations 2—11106
Doppler spectrum of single automobiles 2—26528
double threshold detection, adaptive false alarm regulation 2—6848
false alarm rate and false alarm number for discrete and continuous time sampling 2—21855
Fresnel ripples, effect on sidelobe suppression in low time-bandwidth product linear FM pulse compression 2—21344
Gaussian maximum likelihood estimator, decentralization, applications to passive array processing 2—2336
jamming and clear environments search and track modes analysis 2—6851
optical simulation of synthetic aperture radar data films *(Chinese)* 2—11105
pseudorandom binary phase code with errors and Doppler-shifted CW 2—21291
pulse compression radar, optimum signal format 2—21858
radar, imaging and target identification, physical optics inverse scatt. Radon projection 2—11108
range estimators resolution performance 2—6847
recursive moving target indication filters with finite number of samples, performance 2—21345
S/N ratio calc., in pulse and pulse Doppler radars 2—6852
scattering theory, microwave propag., backscatter, tropospheric scatter propag. 2—11107
sequential detection of border penetration 2—2817
singularity expansion method, physical content 2—6846
sounding, subsurface, of stratified media, sounding beam equation 2—2820
subsurface radar pulse distortion in complex dielectrics 2—11104
surveillance system, corrected slant range approx. 2—7405
Swerling I target detection probability analysis, on two correlated obs. 2—6853
synthetic aperture radar image, two dimens. image spectrum determ. method 2—2819
target identification, radar and sonar 2—2840
radar transmitters
63-W W-band injection-locked pulsed solid-state transmitter using IMPATT power combiners 2—26527
current source convertor for sonar power supply 2—18364
RF transmitters, meas. of noise power ratios 2—6743
GaAs integrated solid-state transmitter using dual-gate and power FETs, radar appls. 2—6860
radarscopes *see radar displays*
radiance *see brightness*
radiation biology *see biological effects of radiation*
radiation chemistry
see also photolysis; radiolysis
electron resists, positive, mol. orbital studies 2—5657

radiation chemistry continued
time-dependent geminate recomb. 2−1146
^{85}Kr irradiation facility using pressurisation-dissolution method 2−7271
radiation counters *see counters*
radiation damage *see radiation effects*
radiation detection and measurement
see also alpha-particle detection and measurement; beta-ray detection and measurement; electron detection and measurement; gamma-ray detection and measurement; meson detection and measurement; muon detection and measurement; neutrino detection and measurement; neutron detection and measurement; particle detectors; proton detection and measurement; radioactivity measurement
artificial and natural doses in environmental radiation, method of distinguishing by TLD *(Japanese)* 2−7353
bromide atoms branching study in latent ion tracks *(French)* 2−3413
bubble chambers, narrow bubble track formation by laser beam 2−11844
calorimeter trigger system for the ISR Axial Field Spectrometer 2−17300
cathode read-out MWPC, charge centroid evaluation, systematic error 2−3369
charged particle beam intensity monitor 2−17200
data processing 2−11818
drift chamber, charge division and precision timing 2−27038
drift chamber and Cherenkov counter radiator utilising single gas vol. 2−27034
drift chamber with 23 μm spatial resolution, construction and performance 2−27036
drift chamber with second coord. readout by charge division, performance study 2−27037
drift chambers as track detectors for heavy ions 2−27074
dual grid-type beam scanner 2−11789
electronic control devices for particle detectors 2−17311
fast modular processor for track reconstruction from wire chamber arrays 2−17295
GM counter, unshielded background counting rates and dimension relation 2−27046
gridded ionisation chamber, secondary scintillation study 2−22483
hadron calorimeter, props. relevant to storage rings 2−22491
hadron calorimeter for high-energy heavy ions 2−3368
hadron calorimeter prototype, performance 2−22492
heavy particles recording, microchannel plate unit characts. 2−3392
heavy reaction product spectrometer 2−27096
high energy heavy ions deposited energy loss in thin gas layers 2−3374
instrument for light impurity atoms lattice location studies by (n,α) reaction 2−3384
ion chamber for kerma determ., characts., book contrib. 2−17264
ionisation chamber in Bragg-curve spectroscopy 2−27041
ionisation chambers, particle position meas. 2−11783
IR detector-mixer, using MOM diode 2−16984
KT ion chamber characts., book contrib. 2−17263
laser impulse duration meas. device *(Bulgarian)* 2−7218
low ionisation current meas., dosimetric problem 2−11824
magnetic quadrupole spectrometer for time-of-flight meas. 2−22507
metaphosphate glass dosimeters, radiophotoluminesc., time-resolved study 2−11803
missing-mass spectrometer for momenta below 1.5 GeV/c 2−3437
MOS ionisation dosimetry device fabrication and testing 2−17434
multicomponent decay anal. using max. likelihood method 2−22478
multineedle counter with cathodic focusing *(French)* 2−7284
MWPC as beam scanner 2−11780
on-line system for track chamber film anal. 2−27073
online trigger processors in DORIS and PETRA expts. 2−17304
parallel plate avalanche counter, fission fragments detection 2−11802
particle detectors, review 2−17279
particle trajectories electrostatic imaging 2−27071
Philips phototube XP 2008, gain variation in freq. domain at very short term 2−14592
plastic nuclear track detector electrochemical etching, HV amplifiers 2−27091
position sensitive parallel plate avalanche counter for minimum ionising particle detection 2−7275
proportional counters, background anal. *(Slovak)* 2−7282
pyromagnetic radiation detectors *(Russian)* 2−7104
radiochromic dye dosimeters, radiation-exposed, delayed darkening study 2−17435
segmented calorimeter for high P_t jet expts. 2−3376
selective sampling method for high count-rates 2−11854
semiconductor devices, background meas. 2−27032
shower calorimeter, ADC correction and readout, CAMAC processor 2−17303
silica aerogel Cherenkov detector testing for European hybrid spectrometer 2−27035
spiral projection chamber, central detector for expts. at LEP 2−3388
streamer chamber, self-shunted, tracks digitisation and reconstruction using television system 2−3410
streamer chamber design and performance 2−27072
TELAS magnetic spectrometer 2−27094
time-of-flight spectrometer using heavy ion pulses 2−11871
timing discriminator using leading-edge extrapolation 2−17294
two-dimensional position sensitive ΔE-E counter for energetic light charged particles 2−3377
Au foil, $^4He^+$ energy straggling meas. by backscattering technique, foil nonuniformity correction 2−7278
^{134}Cs solution, activity meas. 2−27023
Ge detector for precise beta endpoint energy determ. 2−27039
Ge:Li detector, secular change of background activity *(Japanese)* 2−17260
Si particle detectors, background noise caused by sea level cosmic rays 2−27031
Si surface barrier detector, ^{244}Cm and ^{252}Cf spontaneous fission fragments pulse height spectra 2−11784
Si(Li)-Ge(Li) coincidence cct. adjustment, radioactive sources 2−11755
^{238}U decay constant, dosimetry and standards, fission-track dating workshop 2−7357
radiation detectors *see particle detectors*
radiation dosimetry *see dosimetry*
radiation effects
see also acoustic wave effects; alpha-particle effects; beta-ray effects; biological effects of radiation; electron beam effects; gamma-ray effects; ion beam effects; laser beam effects; meson effects; neutron effects; proton effects; radiation chemistry; radiation hardening; X-ray effects
radiation effects continued
bipolar LSI device input states specifications for latchup testing 2−14973
bipolar LSI devices, latch-up anal. procedure 2−14971
bromide atoms branching study in latent ion tracks *(French)* 2−3413
CMOS IC, parasitic SCRs operation modes anal. 2−15002
CMOS/SOS memory, exposure dose rate depend. 2−14111
cruise missile system, fibre optic data link development 2−21817
F-8 microprocessor, transition radiation effects evaluation 2−14153
fault tolerant memories for single particle radiation effects 2−14107
IGFET, insulator process induced radiation damage, removal at elevated press. 2−14783
INTELSAT V, large three-axis-stabilised communications satellites, spacecraft charge protection 2−22581
MOSFET, ultrasmall, technology challenges, VLSI appls. 2−15013
NMOS microprocessors Z80A and Z8002, total dose response 2−14154
nuclear and space radiation effect, conf., Seattle, WA, USA (July 1981) 2−18849
optical fibre wavegudies, losses induced by ionising radiation 2−15313
optical fibre waveguides, photobleaching effects 2−5988
radar receiver burnout by others radars, withstand levels assessment 2−16497
resists, etching by UV light 2−9576
RF ignition hazards review 2−13247
solar cells for Shuttle Power Extension Package, radiation testing 2−17529
superconducting amorphous alloys, supercond. props., review 2−15239
AlGaAs heterojunction photodiodes structures, radiation hardened, computer modelling 2−20744
AlGaAs photodiode structures, computer modelling and radiation testing 2−15404
AlGaAs photodiodes, transient irrad. effects 2−25622
AlGaSb photodiodes, transient irrad. effects 2−25622
Ar, free-carrier yields of radiation induced cond. in liquefied rare gases 2−3418
GaAs solar cell radiation damage, annealing, thermally and by minority carrier injection 2−18552
GaAs solar cell radiation damage and thermal annealing, conc. of vacancies, divacancies, thermochem. model 2−18553
HgCdTe MIS capacitors, ionising radiation effects 2−14860
InGaSbP photodiodes, transient irrad. effects 2−25622
SF_6, liquid, drift of radiation-induced charge carriers 2−1469
$Se_{93.5}As_{6.5}$, amorphous film, carrier mobility, thermal annealing and light irrad. effects 2−9446
$Se_{94.3}Ge_{5.7}$, amorphous film, carrier mobility, thermal annealing and light irrad. effects 2−9446
Si solar cells, reduced annealing temps. 2−23505
Si-SiO_2 interface in MOS structs., memory effects caused by irrad. *(Russian)* 2−14723
radiation hardening
fibre optic data links, photobleaching techniques anal. for radiation hardening 2−16467
nuclear power plant power cables insulation flame proofing and increased resistance to radiation 2−27498
PE wire and cable insulation, crosslinking using fast electrons in bilateral and multilateral irradiation, electrons optimal energy calc. *(Czech)* 2−5391
Si solar cells, vertical junction, electron radiation tests 2−18583
radiation hardening (electronics)
ballistic missile defence, multicomputer systems, logic upset circumvention 2−25975
bipolar IC, neutron hardness assurance screening using pinch resistor 2−14972
bisphenol A epoxy resin props. for radiation-resistant magnet coil insulation 2−2104
C-CD page storage chip isolation from α-particle-induced soft errors 2−19669
cables filled with small residual gaps, dielectric conductivity effects at high fluence 2−14330
Center for Radiation-Hardened Microelectronics (CRM) at Sandia National Laboratories, NM, USA 2−9723
CMOS, Si-gate, radiation hardness, gate oxide thickness effects 2−15005
CMOS integrated circuits, radiation-induced damage, thermal annealing activation energy 2−25354
CMOS LSI, custom high reliability radiation hardened circuit design 2−9751
CMOS static RAMs fabrication using radiation hardened technology 2−14999
CMOS/SOS radiation-hardened Si-gate process comprehensive test pattern for process performance/control 2−20353
fiber optics in nuclear environment, component vulnerability 2−25481
high speed IC developments, comparison SOS, GaAs properties, military appl. 2−1455
IC terminal modelling 2−14908
JFET thick film hybrids ICs, extreme radiation tolerance 2−24846
LSI/VLSI, radiation hardened, test strategy 2−14906
monolithic ICs, α-particle shield using cured latex emulsion between chip and substrate 2−25286
MOS capacitors, field-sensitive interface states, total dose hardness assurance implications 2−14708
MOS capacitors, radiation-induced voltage shift meas. 2−14704
MOS capacitors annealing with implications for test procedures to determine radiation hardness 2−14703
MOS ionisation dosimetry device fabrication and testing 2−17434
MOSFET, radiation hardness on submicron NMOS 2−15004
MOST, test conditions effects on radiation-hardness results 2−14861
NAND gates, transient electron radiation upset, temp. depend. 2−19624
NMOS microprocessors Z80A and Z8002, total dose response 2−14154
NMOS transistors, ^{60}Co radiation effects on laser annealed SOS 2−15000
nuclear and space radiation effect, conf., Seattle, WA, USA (July 1981) 2−18849
operational amplifier, total dose radiation resist., nitride passivation effects 2−13982
power transistor, reverse second breakdown characts. meas. before and after neutron irradiation 2−14844
satellite system-generated EM pulse simulation fidelity criteria 2−17464
satellites, nuclear weapon vulnerability assessment using NHEP-S, classification, categorisation and screening 2−17448
satellites survivability to nuclear weapon explosion effects estimates 2−17449

radiation hardening (electronics) continued
STARSAT, anal. and research satellite, SGEMP test, high-level current injection testing 2−17463
AlGaAs heterojunction photodiodes structures, radiation hardened, computer modelling 2−20744
GaAs microwave, MESFETS, gamma irrad. tolerance 2−25240
Si semiconductor devices, screenable alpha particle barrier 2−1261
SiO_2:N dielectric films, Mrad electron irrad. tolerance, for IGFETs 2−25353

radiation injuries *see biological effects of radiation*

radiation monitoring
see also dosimetry
charged particle beam intensity monitor 2−17200
contamination measurements with quadrupole mass spectrometer 2−22749
dosimetry measurement in ion implanters 2−5673
EFM 5 monitor for RF leakage meas., 200 kHz to 1 GHz range, industrial, consumer devices appl. 2−26050
flux density meas. from mixed γ-ray field using scintillation counter 2−7281
gas scintillation proportional counter for Pu in lungs assessment *(Japanese)* 2−3397
ion chamber for neutron dosimetry, book 2−13143
ion chambers for photon dosimetry, minimum operational requirements, book contrib. 2−17262
ionising radiation effects, monitoring and protection 2−27214
isotropic E-field probe radiation monitor, EFM 5, 0.2 to 1000 MHz freq. range 2−26049
LWR nuclear plant shut-down costs *(German)* 2−12397
materials safeguards, NDA instrumentation, intelligent devices 2−7294
neutron dosing gauge based on albedo dosimetric method *(Croatian)* 2−27220
neutron personal film monitoring, equiv. radiation dose behind proton accelerator shielding 2−11851
nuclear power plants during start-up, radiological meas. 2−7347
nuclear power station V-1, radiation protection and radiological supervision *(Slovak)* 2−7355
research department compliance with radiation protection and monitoring regulations *(German)* 2−27216
UV wide-band monitor, dermatology monochromators output meas. 2−3521
worldwide monitoring system against proliferation of nuclear weapons 2−3844
Rn, environmental, continuous monitor for meas. 2−3518
^{222}Rn assaying systems, absolute calibration method 2−17431
T monitoring instruments, status *(Japanese)* 2−7293

radiation monitors *see radiation monitoring*

radiation patterns, antenna *see antenna radiation patterns*

radiation protection
see also radiation monitoring
actinide nuclides meas. in water samples from nuclear power plant primary cct. 2−12090
BWR containment spray by large scale facility, I removal tests 2−7351
Chinese nuclear technology, current status *(German)* 2−27614
cinefluorographic and fixed imaging systems, sterile radiation shield 2−7360
component removal in radioactive areas with minimum operator exposure *(German)* 2−12370
decontamination during nuclear facilities decommissioning *(German)* 2−7619
diagnostic X-ray machine, exposure meas. solar cell appl. 2−27221
electrical/electronic components and equipment, mag. shielding, protection against neighbouring radiating systems 2−2164
ELMO Bumpy Torus proof-of-principle device, one-dimensional γ-ray and photoneutron shielding calc. 2−3514
EPRI nuclear fuel-cycle accident risk assessment 2−12339
FBR, notional accidental releases, radiological consequences 2−7346
fission research reactors, radiation protection, legal requirements fulfilment, economic considerations *(German)* 2−27217
Harshaw Model 2000D TL analyser system adapter 2−11973
HF, screening method *(German)* 2−3522
ion chamber for neutron dosimetry, book 2−13143
ion chambers for photon dosimetry, minimum operational requirements, book contrib. 2−17262
ionising radiation effects, monitoring and protection 2−27214
laser radiation protection *(German)* 2−7356
laws and regulations in France *(French)* 2−7359
LWR nuclear plant shut-down costs *(German)* 2−12397
medium current ion implant systems, manufacturing advantages for remote control 2−5667
microwave radiometer for medical use, automatic E-H tuner 2−17350
neutrons and photons duct streaming 2−11684
nuclear fuel-reprocessing plants, pot. safety-related incidents 2−8216
nuclear industry, public and occupational hazards, risk management, equity aspects 2−13230
nuclear power plants, radiation doses due to accidental radioactive release, quick assessment *(German)* 2−7348
nuclear power plants, radiation exposure minimisation by preventive maintenance 2−17839
nuclear power plants, radioactive waste, repository site selection *(Czech)* 2−7354
nuclear power plants and reprocessing facilities decommissioning, main parameters comparison *(German)* 2−7620
nuclear power plants decommissioning, legal problems and licensing procedure *(German)* 2−7617
nuclear power plants decommissioning waste disposal *(German)* 2−7621
nuclear power plants during start-up, radiological meas. 2−7347
nuclear power station explosive dismantling practicality *(German)* 2−12369
nuclear power station V-1, radiation protection and radiological supervision *(Slovak)* 2−7355
occupational radiation-exposure reduction technology planning study 2−17909
PWR nuclear power plant total removal, flow chart concept *(German)* 2−3885
RAMs, use of silicone room temperature vulcanising rubber for alpha particle protection 2−14936
reactor components demolition and dismantling *(German)* 2−12401
research department compliance with radiation protection and monitoring regulations *(German)* 2−27216
respiratory hazard protection in a radioactive environment 2−27629

radiation protection continued
sealed cans, weld signature US verification, report 2−27323
seawater, radionuclides simultaneous determ. by hydroxide precip. 2−7448
X-ray safety shutters, fail-safe design 2−27101
^{14}C beam accel. in electrostatic accelerators 2−11769
^{90}Sr, 1 mCi sealed RI radiation source accidental loss, radiation management *(Japanese)* 2−7352

radiation therapy
bladder tumour control and eradication using CO_2 laser radiation 2−11961
calibration of ^{60}Co and high-energy teletherapy machines, use of FBX dosimeter 2−27218
corneoscleral coagulator based on Yb-Er:glass laser 2−27199
dose field form. in grid diaphragm, open field and intracavity gamma therapy types *(Russian)* 2−17433
electron accelerator-based cancer therapy system, two-magnet doubly achromatic beam deflection system 2−7249
EM techniques in cancer therapy by hyperthermia 2−17408
gamma-beam therapy planning optimisation *(Russian)* 2−17407
helium cryogenic plant for biomedical research 2−11977
hyperthermia by EM heating of deep-seated tumours 2−22566
injector pulse counter for a linear accelerator 2−27089
interstitial radiotherapy with parallel linear composite radiation sources, optimum dose field *(Russian)* 2−17432
ionisation chambers, fast neutron beam dosimetry physics group experiences in USA, book contrib. 2−17441
kerma values for therapy appl. 2−11959
laser application in photobiology and photomedicine, review 2−17410
laser applications in biology and medicine, overview 2−11890
laser coagulation, medical laser devices, applications and status 2−11957
laser coagulation equipment for endoscopic haemostatis in gastro-intestinal tract for skin vascular anomalies treatment 2−7340
laser coagulation of dermal lesions using Ar ion laser 2−17412
laser therapeutic applications using Ar ion and Nd:YAG lasers 2−7342
microwave diathermy applicators, evaluation using free space elec. field napping 2−11958
microwave-induced hyperthermia in cancer treatment, use of thinned cylindrical antenna array 2−27202
neoplasm diagnosis and therapy, haematoporphyrin derivative and laser phot oirrad. appls. 2−17406
neutron dosimetry, experience with ionisation chamber by ECNEU group, book contrib. 2−17442
neutron sources, Be targets bombarded by protons, deuterons and α-particles 2−11753
pancreatic cancer, radiotherapy, irrad. dose efficacy *(Russian)* 2−27198
physiotherapy department equipment 2−11952
planning, patient beam positioning system using CT images 2−27153
radio and microwave frequency thermotherapy in cancerology *(French)* 2−27201
review of radiation therapy development for malignant neoplasms *(Russian)* 2−22565
RF hyperthermia for cancer therapy, non-perturbed and non-perturbing thermometer 2−27200
superconducting Pion Facility for medical application 2−3507
synchrocyclotron medical facility, neutron flux-density and secondary-particle energy spectra 2−3508
teletherapy-beam symmetry stability rel. to gantry angle 2−3509
ulcers, bleeding, laser coagulation treatment using Ar and Nd:YAG lasers 2−11962
X-ray therapy, improvement of small-field penumbra and dose distribs. for a 4 MV accelerator 2−22568
B neutron capture therapy, neutron irradiation facility design study 2−17409
^{60}Co unit for large field irrad. 2−22567

radiationless transitions *see nonradiative transitions*

radio
see also radiocommunication
amateur, properties of inductive components, alternating current 2−21737
amateur radio, Home Office Radio Amateur's Exam., technical requirements 2−6884
QSL cards for amateur radio using computer/printer, 39 step BASIC program 2−2662
Sanyo M4500KE stereo radio/tape recorder *(German)* 2−11300

radio applications
see also radio direction-finding; radioastronomy; radiocommunication; radionavigation
mining, trapped-miner location system based on ELF link with computer control, mag. dipole excitation system 2−16456
radio location and modern radar developments *(German)* 2−16496
volumetric terrain following sensor, 915 MHz, coaxial transmission line, outdoor perimeter surveillance appl. 2−13254
wireless controls for TV studio lighting *(Japanese)* 2−6882

radio broadcasting
see also radio rediffusion
AM broadcast systems, limited-area, design and installation 2−16550
AM broadcasting additional data channel using PSK preserving compatibility *(German)* 2−10623
AM stereo transmission *(Japanese)* 2−2876
artificial microphone for proof of performance testing 2−26577
audio broadcast techniques *(Japanese)* 2−11138
audio processing requirements, studio design appl. 2−26574
Automatrix computerised console 2−26576
bandsharing spread-spectrum system with TV broadcast channels, improved use of spectrum for land mobile radio 2−2709
BBC recording of the Royal Wedding at St. Paul's 2−2882
channel frequency spacing selection in VHF/FM sound broadcasting 2−26567
digital radio transmission via TV-SAT *(German)* 2−2746
digital systems, review of their introduction 2−11152
digital transmission of signals, equipment 2−2880
field strength measuring station *(Norwegian)* 2−26597
FM, digital station and programme identification message 2−11142
FM broadcast stations, proposals for more efficient spectrum utilization 2−21898
FM mobile receiver in quasisynchronous field, analysis of response 2−2710
FM transmitter combining units *(Italian)* 2−16577
French regulations for TV and radio broadcasting and receiving centres protection from electromagnetic interference *(French)* 2−26570

radio broadcasting continued
frequency spectrum utilisation, transmitting technology *(Japanese)* 2−21908
future technical developments 2−16558
HF broadcast service of Radio Bangladesh, 2×250 kW transmitting station 2−6901
local, solid state MF, VHF transmitter for Phase II ILR stations 2−16579
mass-media complex project in Republic of Zambia, studio, transmitter and film facilities 2−26599
measurement in digital audio and video systems, conf., London, 1981 Nov. 2−18877
modulation methods, advantages and drawbacks *(Norwegian)* 2−26084
multiband dynamic processing, selective gain control appl. 2−26671
news contribution network for independent local radio switching system 2−16554
OTS, direct broadcasting experiments, results of sound transmission tests 2−11148
quality control of local radio broadcasting studios 2−16553
Radio Bangladesh new national broadcasting house 2−26573
radio-data, impact on receivers 2−16615
relay broadcast of Radio Japan from Sines, Portugal, INTELSAT IV-A appl. *(Japanese)* 2−16568
resonant behaviour and detuning of power lines in the MF band 2−26006
Rohde and Schwarz VHF relay receiver, for stereo radio broadcasting *(German)* 2−21943
sound mixing, microprocessor-controlled systems, overview 2−16564
spectrum usage, analysis using software tools 2−21899
speech studio acoustic design of local radio broadcasting station 2−16551
stations, technical standards and application *(Japanese)* 2−21909
stereo or three-dimensional broadcasts, improved demultiplexer 2−16614
Studer series 900 production consoles for audio signals 2−26575
studio automation systems, overview 2−16565
surround-sound recording techniques, broadcasting system experiments, appl. 2−16557
surround-sound systems for international broadcasting standards 2−16556
technical planning and installation of small radio stations 2−16552
technology for 1980s 2−26593
transmitting equipment trends *(Japanese)* 2−21922
transmitting system design, fundamental conditions *(Japanese)* 2−21923
UHF urban propagation expts. for sound broadcasting for mobile reception *(French)* 2−21918
VHF FM radio service of Swiss PTT, multipurpose transmission site at Froburg, Switzerland *(German French)* 2−11168
zenith-type medium-wave antenna, field strength at distances up to 1700 km 2−15795

radio direction finders *see radio direction-finding*

radio direction-finding
automatic direction finder, description 2−26563
automatic vehicle monitoring, NAVSTAR, global positioning system, police appl. 2−16532
cathode ray, antenna voltages and bearing according to Watson-Watt *(German)* 2−21873
CW hyperbolic position fixing system, automatic microprocessor-based receiver 2−16530
ILS localiser integral monitor, using three-bridge RF signal combining network 2−11126
layered radome, internal field computer calculation 2−2227
monopulse direction finder, effect of multiple, coherent point-source signals 2−16528
single-channel amplitude direction-finding accuracy when angle meter is affected by fluctuation noise and signal loss 2−16527
vehicle automobile lateral control, using two-freq. radar 2−26561
VOR receiver, portable, automatic 2−16531

radio equipment
see also antennas; loudspeakers; transceivers
30 channel DM equipment, automatic final testing *(Hungarian)* 2−7007
absorber consisting of stratified resistive sheets, operation at MM-wave and microwave freqs. 2−21063
antenna accessories to improve performance communication receivers, amateur radio appl. 2−21246
circuits, multidimensional nonlinear, Volterra nucleus determ. using nonlinear input signals *(Russian)* 2−24376
coaxial components for sound and TV broadcasting 2−14354
digital radio technology, present and future 2−6741
digital tropo tactical communication equipment 2−21731
dipmeter, for 0.8-57 MHz amateur band, DIY contribution *(German)* 2−6888
Doppler radiogoniometers, VHF and UHF, for individualisation of transmitters in an urban zone *(Italian)* 2−6738
DX operating using simple antennas 2−16334
erection, use of mobile cranes *(German)* 2−10979
experiment planning methods in radio components development, review 2−4605
field strength measuring station *(Norwegian)* 2−26597
full decision feedback phase-locked loop, microprocessor-based implementation 2−14035
Heathkit H-13 mobile power supply, forced-air cooling 2−26388
line equipment PCM 30/II for radio link system *(German)* 2−16352
microwave, narrowband filters for 29 GHz communication links E-plane IC techniques 2−24724
nonlinear circuits, Volterra nuclei determ. using modified structural matrices *(Russian)* 2−24377
reliability anal. *(Russian)* 2−8323
selection of criteria for reliability expt. 2−24023
shipboard communication systems automatic control equipment 2−26443
SSB transmission monitor, CRT selection, power supply cct. constr. 2−10975
temperature stabilized convertor of bipolar broadband signals 2−9202
training maintenance technicians 2−10954
transmitting antenna for MW and SW, earthing, feeder and insulation *(Japanese)* 2−21251
U 700 system, VHF equipment for traffic control *(German)* 2−16386
UHF prescaler circuit for VHF freq. counter 2−9198
VHF convertor for 2 m band CW and SSB operation 2−26386
VHF EM wave absorber using combination of mag. layer and lossy dielec. layers 2−21062

radio links
see also microwave links; radiocommunication
airborne UHF radiolink for over-sea use, mathematical model 2−6773

radio links continued
amateur radio propagation modes in Japan, ionosphere transmission, transequatorial propag., irregularities *(Japanese)* 2−16337
analysis, by means of minicomputer *(Slovenian)* 2−10958
antenna theory and technology, historical review from 1949 to 1954 *(German)* 2−6361
British Telecom International troposcatter system 9.6 kbps data tests 2−10986
construction works, multiproject radiotelephone system 2−6764
CONTACT RL400, radio relay equipment for military use 2−26402
data, single echo model of multipath fading 2−15684
digital, design in an analogue environment 2−26396
digital, operating aids equipment 2−26401
digital, spectrum utilisation 2−26406
digital, synchronous baseband switch *(German)* 2−26394
digital 4 GHz radio link equipment STN 4000 2−26411
digital DRS-8, 3 GHz, long-haul system, Canada 2−10965
digital local-area radio-links network, RF assignment problems, network optimization algorithm appl. 2−2692
digital modulation technique for increased bandwidth efficiency 2−10964
digital radio as a component of telephone transmission networks 2−6740
digital radio systems using PSK and FSK modulation, transmit filters, required bandwidth 2−2663
digital single antenna tropo system, TACTROPO 2−10977
digital transmission using the 8448 Kbit/s interface 2−10968
digital troposcatter, conf., London, 1981 Oct. 2−10969
digital troposcatter transmission, spectra emission mask for FDM/FM system coord ination 2−10972
digital tropospheric scatter radio link, forward error correcting codec/interleaver 2−6820
digitalisation of long distance network by the German Posts and Telegraph Dept. *(German)* 2−10780
guided vehicle systems radio link 2−2716
HF, horizontal log periodic antennas, rotatable array appls. 2−26400
HF multipath interference in 150-mi over-ocean link, elimination using adaptive receiving antenna array 2−10980
intermediate stations of the R-600-2MV equipment designed in container form 2−2681
IRT 1500 rural TDMA radio subscriber loop system, UHF freq. operation, speech and telegraph 2−2686
KURS-2M radio relay equipment for zonal communication links 2−10983
L-DCPSK radio links, multipath propag. interference, availability anal. 2−26385
LF FM communication link using domestic mains wiring, sound-modulated transmitter and matching receiver/decoder 2−6737
line equipment PCM 30/II for radio link system *(German)* 2−16352
Meteor radio channel, error-detection and correction capability of codes is residual class system *(Russian)* 2−26413
Meteor radio-relay channel devising of 'interference-proof' codes in residual classes *(Russian)* 2−26412
Meteor radio-relay goniometer, computerised primary-processing scheme *(Russian)* 2−26414
Meteor radio-relay goniometer, software library *(Russian)* 2−26415
Meteor radio-relay line, estimation of basic line charact. correl. props. *(Russian)* 2−26416
mobile radio telephony, SSB AM vs. FM at VHF 2−10990
multichannel radiotelephony, two-channel interference compensator for FM signals, synthesis, anal. 2−16375
NATO troposcatter link, Scandinavia, 25 years of operating experience 2−10985
NE Shetland basin communications for oil industry, tropospheric links 2−10956
North Sea troposcatter link, angle and space diversity tests 2−10509
over-sea line-of-sight radio links, optimum diversity separation for min. fading 2−10981
police, frequency, allocation regulations, USA 2−16540
radio-relay link path, reflected ray characteristic parameters, differential distortions *(Italian)* 2−6887
railways, radiocommunication in Metro de Madrid 2−18691
rural community communications system DEFT 1/8, using single-voice radio link 2−10974
satellites and satellite communications, overview *(Swedish)* 2−26466
simulator for multipath fading *(German)* 2−16368
single sideband AM radio-relay system in 6 GHz band 2−26408
single-frequency radio relay, soln. based on antennae system 2−21735
submarine communications systems, operation in a military environment 2−26407
SW, signal level distrib. 2−2665
Swiss PTT radio-relay networks, multipurpose transmission site at Froburg, Switzerland *(German French)* 2−11168
Telecom Australia's digital data network, transmission analogue radio relay syst ems 2−16374
TI-58/59 calculator appl. for design of profile of radio relay link *(Czech)* 2−6784
tram monitoring, radio-operated, for real-time control of traffic lights *(German)* 2−2680
Triffid, UK-TRC471 military radio system 2−10978
troposcatter, propagation characteristics 2−16340
troposcatter digital link performance prediction, multipath dispersion 2−10508
troposcatter high capacity digital transmission, system design constraints 2−10973
troposcatter links, digital system specifications 2−10971
tropospheric scatter communication, review 2−10970
TV/FM transposer, solid state IC satellite transmitter *(Japanese)* 2−21927
UHF/VHF trunked communication systems for public safety services 2−16377
VHF communication link, combined amplitude-phase modulation 2−2726
VHF CW add-on for SSB or FM, VOX facility for transceiver, key or microphone input 2−10982

radio networks
adaptive multi-destination protocols for packet radio networks 2−6625
Austrian carrier freq. channel *(German)* 2−16358
Austrian carrier freq. systems *(German)* 2−16359
Austrian power companies *(German)* 2−16354
Austrian power companies *(German)* 2−16355
Austrian power companies *(German)* 2−16356
Austrian power companies *(German)* 2−16357
Austrian remote control system *(German)* 2−16360

radio networks continued
BBC's LF/MF networks, re-planning and modernising 2—11157
frequency assignment in radio networks using optimisation techniques 2—26568
frequency spectrum utilisation, transmitting technology *(Japanese)* 2—21908
hidden node radio network, Broadcast Recognizing Access Method, operational performance 2—10984
measurement equipment *(German)* 2—16364
mobile radio, architectural organisation, distributed algorithm 2—16389
packet radio networks, distributed control 2—21765
relay network digitisation processes and technical requirements 2—6751
rural communication, technical solns., general survey *(German)* 2—16026
Sixth Five Year Plan in Hungary, principal objectives *(Hungarian)* 2—10754
terrestrial packet radio networks, idle signal multiple-access scheme 2—21407
UK 70 cm repeater network development, radio amateur appls. 2—6778
VHF/UHF field strength computerised prediction system, FM network planning appl. 2—2878

radio receivers
see also superheterodyne receivers
4-band radio receivers, PLL synthesizer with charge pump and filter op-amp 2—2892
12 GHz receiver with a self-oscillating dual gate MESFET mixer 2—19866
AEG-Telefunken, single-chip radio receiver ICs *(German)* 2—11175
air-traffic control communications receiver, description *(Spanish)* 2—16607
AM, method of interference cancellation for double sideband signals 2—2917
AM, time delay in AGC system, fast fading suppression 2—16345
AM stereo decoder IC 2—2894
AM stereo receivers *(Japanese)* 2—2876
AM/FM multiband radio receivers testing, VP-8178B standard signal generator appl. 2—7115
AM/FM portable, watervole, constr. details 2—26606
AM/FM radio synthesizer using ECL/I^2L circuitry 2—2891
AM/FM tuning systems using PLL frequency synthesis, Mitsubishi Electric product 2—19603
artificial-mains network ESH-2-Z5 for measuring interference 2—26900
automatic tuning, D-A conversion using IFO counters *(German)* 2—2889
band compression receivers, used for military electronic equipment *(Italian)* 2—21734
Blaupunkt Berlin SQR 82-PCI cassette car radio receiver *(German)* 2—16589
car-radio receivers, automatic tuning system, microcomputer control *(Japanese)* 2—11186
characterisation, high quality programmable signal source 2—16996
coils, vintage, construction details 2—5388
conference, Leeds, UK (July 1981) 2—13155
controlled nonlinearity parameter estimation up to principal selective filter, relationships between parameters 2—16609
convertor for 1.3 GHz, construction and alignment *(German)* 2—11181
crystal calibrator cct. for radio receivers 2—26617
CS-W7 compact-micro dual radio-cassette recorder 2—26687
CW hyperbolic position fixing system, automatic microprocessor-based receiver 2—16530
DCF-77 time signal receiver *(German)* 2—10959
design evaluation of electrical and electronic equipment 2—144
differential line receivers, computer simulation of electromagnetic interference effects 2—21131
digital synthesizer LSI for FM/AM receivers 2—6913
dynamical response to fading, characterisation 2—16349
EK070 VLF to HF receiver, computer-controlled 2—16601
electronic intelligence receivers, microwave freq. sources, low-noise types, PLL appls. 2—16500
electronic warfare receivers, tangential sensitivity 2—26409
ESM 500 VHF/UHF receiver family for 20 to 1000 MHz 2—26615
FM limiter-demodulator ICs, Hitachi HA11225 and Toko KB4441 2—14031
FM receiver response determ. using PM transmitter 2—6912
FM signal programmable freq. synthesis generator *(Polish)* 2—2679
FM varicap tuner, six-channel touch station selector 2—6911
FM/AM hi-fi tuners, comparison *(German)* 2—16608
HF, high perform. IC mixer 2—14034
HF, receiver specifications and practical performance 2—16348
HF, selectivity reappraisal 2—16346
HF, tuned active antennas for improved performance 2—26389
HF convertor cct. for SW communications receivers, PW Hythe multimode marine band receiver 2—21740
hybrid monitor receiver for low band FM VHF 2—24838
hybrid signal divider, for VHF and UHF receiver distrib. systems 2—16397
induction magnetic probes, parameter change estimation at liquid N_2 temp. *(Russian)* 2—20551
land mobile SSB receivers 2—16402
local MF, dual-frequency directive antenna system for ILR London 2—16555
low noise VHF preamplifier for 2 metre amateur band wave 2—730
low-noise microwave receivers, radio link appls., FET preamplifier design, 2-11 GHz 2—26424
microwave, 11 GHz, for crosspolarisation meas. 2—15713
millimetre wave astronomy developments 2—11128
millimetre wave receiver design, future trends 2—16392
Mitsubishi MC-8000 music centre, vertical arrangement of units *(German)* 2—26683
mobile, SSB pilot receiver 2—16406
MW, design and construction for young amateurs 2—2888
Navstar GPS receiver for satellite applications 2—6877
p-i-n diode attenuator, digital control 2—14216
programmable, LSI technology influence, BBC model *(German)* 2—2887
PW Winton stereo tuner, cct. diagram changes, AM/FM and TV appl. 2—21944
radio paging receiver, fully integrated 2—21753
radio teleprinter communication home-made tuning indicator *(German)* 2—10797
radio-data broadcast impact 2—16615
radiocommunication EMC estimates, effect of fluctuations in signal, interference and noise levels of receivers, digital data transmission 2—10962

radio receivers continued
radiotelescope, low-noise mm-wave receiver, 230 GHz, all solid-state design, portable 2—21892
radiotelescope, low-noise mm-wave Schottky mixer receiver for astronomical obs. from 80-120 GHz 2—21894
radiotelescope, mm-wave receiver, 200-350 GHz range, all solid-state, appl. 2—21893
review *(German)* 2—16728
Revox B780 HiFi receiver, microcomputer control *(German)* 2—11183
Rohde and Schwarz VHF relay receiver, for stereo radio broadcasting *(German)* 2—21943
RX80 Mk2, FM80 IF module consts. 2—26391
RX80 Mk2 HF, CV2 144 MHz convertor modules construction 2—16339
RX80 Mk.2 HF receiver, mains power supply unit 2—2911
satellite broadcasting, individual receivers 2—16613
satellite link, dual polarisation, adaptive cancellation to reduce crosspolar interference 2—16451
satellite TDRSS system, KU-band receiver design, function and testing *(French)* 2—11021
scanning monitor receiver system, construction 2—2916
scanning receivers, history and review of present day systems 2—21945
selective call out receiver *(Polish)* 2—6916
selectivity improvement cct., FT 500 receiver example 2—16342
Siemens Radio System, microcomputer-controlled tuning system *(German)* 2—16587
single chip AM-FM subsystem 2—21947
single chip synthesizer, used for AM, FM broadcast reception *(French)* 2—19580
solid state receiver incremental tuning switch, amateur CW operations appl. 2—10976
solid-state radio receiving system for the recording and monitoring of standard ATA transmissions on 10 and 15 MHz 2—26417
spread-spectrum, dynamic perform. of delay lock loop code synchroniser in noisy conditions 2—16398
spread-spectrum radios, anti-jamming appl. 2—21116
ST-6000 tuner, microprocessor control for broadcast freq. selection and stat ion name/freq. display *(German)* 2—2984
stereo or three-dimensional broadcasts, improved demultiplexer 2—16614
stereo tuner with frequency synthesizer for high quality Hi-Fi set up *(German)* 2—11182
super-regenerative, simple ccts. for use in schools 2—6917
super-regenerative VHF receiver, construction details 2—16581
surveillance, hybridisation techniques, military appl. 2—16336
SW communications receivers, dynamic range improvement *(German)* 2—26410
SW receiver for beginners in amateur radio 2—16603
SW tuned radio frequency receiver 2—6907
switch-off timer, using CMOS 404 IC, VMOS switching transistor 2—882
synchronous detector for demodulation in modern radio receivers 2—24459
synthesis of receivers optimal in sense of D-criterion 2—11192
T1060, Yamaha slim-line hi-fi tuner unit *(German)* 2—16588
tactical surveillance system, very wise freq. range receiver using microprocessor control 2—16347
TIROS-N series satellites, high-resolution weather satellite pictures, receiver design 2—11026
VHF FM relay receiver EU 200, tunable from 87.5 to 108 MHz 2—26616
VHF preamplifiers, 144 MHz, receiver performance effects, types 2—24422
VHF receivers, digital frequency counter *(German)* 2—26612
vintage radio power supply cct. 2—5105
VLF, 60 kHz, carrier time signal reception appl. 2—26607
VLF up-convertor for shortwave receivers, construction details 2—2912
VOR receiver, portable, automatic 2—16531
Westerbork Synthesis Radio Telescope, multifrequency cryogenically cooled front end receiver 2—26564
Winton stereo tuner, construction details 2—26618
Wolfson SSB receiver, for mobile radio, optimisation 2—16405
GaAs MIC receivers for communications and surveillance 2—6742

radio reception
see also atmospherics; jamming
amateur recording telemetry signals from Oscar 7 and 8 satellites *(Spanish)* 2—6799
broadband preselector, analysis and optimization of characteristics of radio-receiving section 2—11193
canonic receiver analysis for M-ary angle modulations in Rayleigh fading environment 2—26439
conference, Leeds, UK (July 1981) 2—13155
DX operating using simple antennas 2—16334
ELF radio noise, 1-D distrib. function of vertical elec. component 2—21118
French regulations for TV and radio broadcasting and receiving centres protection from electromagnetic interference *(French)* 2—26570
HF receiver, selectivity reappraisal 2—16346
optimal coherent reception of digital data in fluctuation, concentrated, and pulse noise 2—2351
RTTY interference due to poor operating habits 2—26233
space-diversity reception, optimum signal combination 2—15737
SW communications receivers, dynamic range improvement *(German)* 2—26410
synchronous detector for system receiving low power radio signals from celestial sources *(Spanish)* 2—15913
UHF urban propagation expts. for sound broadcasting for mobile reception *(French)* 2—21918

radio reception quality *see radio reception*

radio rediffusion
No entries

radio relay systems *see radio links*

radio stations
Austrian, protection equipment *(German)* 2—16362
European broadcasting stations, organisation, responsibilities and services of agencies in France and Sweden *(Japanese)* 2—11141
FM broadcasts, digital station and programme identification message 2—11142
HF broadcast service of Radio Bangladesh, 2×250 kW transmitting station 2—6901
local, solid state MF, VHF transmitter for Phase II ILR stations 2—16579

radio stations continued
multipurpose transmission site at Froburg, Switzerland *(German French)* 2−11168
multipurpose transmission site at Saint Chrischona, Switzerland *(German French)* 2−11166
multipurpose transmission tower for radio relay, TV and radio services at Saint Chrischona, Switzerland, lightning protection *(German French)* 2−11167
power supply equipment *(German)* 2−16363
quality control of local radio broadcasting studios 2−16553
satellite transmission services monitoring *(German)* 2−10961
structural realisation *(German)* 2−16361
technical planning and installation of small radio stations 2−16552
unattended transmitting station control from Milan RAI Centre *(Italian)* 2−16574

radio studios
automation systems, overview 2−16565
C-FAX Radio, new studio facilities 2−26580
mixer console design for broadcasting studios 2−6885
Radio Bangladesh new national broadcasting house 2−26573
speech studio acoustic design of local radio broadcasting station 2−16551

radio systems
see also mobile radio systems
2 GHz DS-3 digital radio, technical considerations 2−10957
6 GHz band SSB suppressed-carrier AM radio system with minicomputer based transmission surveillance 2−2683
6-GHz SSB-AM radio system equipment design and performance *(Japanese)* 2−26405
AM broadcast systems, limited-area, design and installation 2−16550
AR6A SSB microwave radio system 2−16370
beamed radio systems, comparison of analogue and digital modulation *(German)* 2−15818
choice of parameters for checking if digital radio system is operational 2−26393
digital, in-service performance monitoring for a 3200 km, 91 Mb/sec digital radio system 2−6754
digital, performance monitoring 2−6755
digital 5 GHz microwave system using 200 Mb/s 16 QAM modem *(Japanese)* 2−21677
digital large-capacity radio systems using 16QAM and 8PSK modulation, RFI, outage 2−26425
digital radio system in presence of interference, comparison of calc. and obs. of performance, multipath fading mo- del 2−6758
digital-analog method of generating signals with limited spectrum 2−10693
direct sequence spread spectrum communication system, tone interference, anal. using Gaussian approx. 2−2670
frequency coordination for business radio systems, NABER advisory service 2−2661
HF communications in defence 2−10955
line equipment PCM 30/II for radio link system *(German)* 2−16352
long-haul 6 GHz SSB AM radio system *(Japanese)* 2−26404
microwave, Rochester Telephone Corp. link across River Hudson 2−16371
microwave links, pole line system replacement by Happy Valley Telephone Corp., California, USA 2−16372
Oscar 7 and Oscar 8, operation of satellites for communications between amateurs *(Spanish)* 2−16423
rural microwave radio links in USA 2−16373
spread spectrum communications systems, COMSIM 1 digital computer simulator, design and struct. 2−2673
SSB-AM 6 GHz radio system using TWT amps. *(Japanese)* 2−24872
surround-sound systems for international broadcasting standards 2−16556
SW data transmission systems, digital signal synthesis for frequency-differential phase modulation process *(German)* 2−2664
Western Electric Digital Radio Systems, in-service performance 2−6753

radio transceivers *see transceivers*

radio transmitters
see also radiosondes
AM stereo transmitters *(Japanese)* 2−2876
amateur radio stations, radio clubs, commercial contributions *(German)* 2−21742
BBC's LF/MF networks, re-planning and modernising 2−11157
broad-spectrum and intermodulation characteristics of communications transmitters 2−21143
building lighting control system, Project Skylight, using microcomputers and radio transmitters 2−23749
combining units for FM transmitters *(Italian)* 2−16577
cordless radio-microphones operating in VHF band, transmitter design *(German)* 2−11290
CW 2-chip transmitter cct, A 7403, 80 m, 40 m bands, amateur radio appl. 2−26387
downlink transmitter latching ferrite switch, 19-GHz, high power handling, low loss 2−26483
EMC planning in radio transmitters *(German)* 2−25974
FM, speech processor cct., SL 6043 quad. op. amp. appl. 2−6744
four pole electron tube for radio and TV transmitters *(Japanese)* 2−20016
frequency and power assignment, optimisation 2−26571
helix TWT for transmitters in satellite Earth stations, 14 GHz, 250 W output power 2−5509
HF 500 kW Type B6127, PULSAM amplitude-modulation system 2−11161
IF modulation format *(Japanese)* 2−21926
intermodulation, product amplitudes 2−21135
land mobile radio systems using min. shift keying with differential detect., transmitter diversity 2−11000
LF/MF bands, co-channel interference meas. using envelope anal. method 2−16578
lightning and fire damage protection *(Japanese)* 2−21924
local, solid state MF, VHF transmitter for Phase II ILR stations 2−16579
Marconi FM broadcasting transmitter, 10 kW, 20 kW outputs 2−21921
microwave, 11 GHz, for crosspolarisation meas. 2−15713
MW 1 to 500 kW transmitters, solid state component application *(Japanese)* 2−21925
orthogonal polarisation technology, used in satellite transmission, KDD Yamaguchi transmitter *(Japanese)* 2−26469
Pye MF AM transmitter, 5-10 kW 2−11158
Pye VHF Band II FM transmitter, 5-10 kW 2−11158

radio transmitters continued
regenerative satellites, QPSK downlink for systems with on board regeneration 2−11069
reliability design *(Japanese)* 2−19045
remote supervisory and control system *(Japanese)* 2−21930
RF spectrum improved utilisation methods *(German)* 2−11132
RF transmitters, meas. of noise power ratios 2−6743
safety regarding assembly and maintenance work *(German)* 2−11171
spectrum characts., fundamental and harmonic, of communication transmitters 2−21142
supervisory equipment for transmission characteristics *(Japanese)* 2−21931
SW transmitters, correlation characts. of random interference acting in decimetre band region 2−15738
SWR warning alarm cct., amateur radio appls. 2−21738
TDMA systems using small earth terminals, transmission aspects 2−6792
Toshiba's all-solid-state 5 kW AM radio transmitter 2−2886
transmitter tetrode, new generation, props. and construction *(German)* 2−9361
transmitting tubes for radio and television broadcasting/ 2−1111
triplexed solid-state FM broadcast transmitters, intermodulation between RF carriers 2−6900

radioactive age determination *see radioactive dating*

radioactive chemical analysis
For applications of radioactivity to chemical analysis, see chemical analysis by nuclear reactions and scattering
see also neutron activation analysis
radio-chromatographic TLC tests, linear analyser and Beta camera developments 2−3396

radioactive dating
Chalk River dating facility using MP tandem accelerator 2−11700
contamination measurements with quadrupole mass spectrometer 2−22749
negative ion sputter source for radioactive dating project 2−11775
radiocarbon dating techniques, appl. to air pollution studies 2−27299
tandem accelerator for rare isotope detection and dating 2−11880
^{238}U decay constant, dosimetry and standards, fission-track dating workshop 2−7357

radioactive sources
beta radiation standard sources testing, systematic error estimation 2−17227
gamma-ray energy equivalent correction of independent α-reference sources 2−27055
medium energy radioisotope containing sources, quantitative meas. of activity 2−27030
plane radioactive source and spectrometric detector system response function calc. 2−27097
production using accelerators 2−3363
ultrasoft X-ray source for channeltron calibration 2−3349
variable energy photon source, Monte Carlo simulation 2−3347
γ-ray energies meas. using Ge semicond. detectors 2−11787
^{241}Am alpha source, for NaI(Tl) light pulser 2−11799
^{134}Cs solution, activity meas. 2−27023
^{85}Kr irradiation facility using pressurisation-dissolution method 2−7271
Si(Li)-Ge(Li) coincidence cct. adjustment, radioactive sources 2−11755
^{90}Sr, 1 mCi sealed RI radiation source accidental loss, radiation management *(Japanese)* 2−7352

radioactive tracers
^{131}I, automatic dispensing and preparation unit 2−27156
$^{99}Tc^{m}$, automatic dispensing and preparation unit 2−27156

radioactive waste
see also fission reactor materials; fusion reactor materials; materials handling; waste disposal
back end fuel cycle, provisions in West Germany, trade unions' view *(German)* 2−17831
back end fuel cycle technologies development in West Germany *(German)* 2−17829
component removal in radioactive areas with minimum operator exposure *(German)* 2−12370
dealing with operational power station wastes 2−12385
decontamination during nuclear facilities decommissioning *(German)* 2−7619
experimenting with concrete solidification 2−17893
German Federal Republic developments of nuclear facilities, back end fuel cycle concept implementation *(German)* 2−17828
German Federal Republic developments of nuclear facilities, social and technical aspects *(German)* 2−17830
IAEA's activities in radioactive waste management 2−17847
industrial experience in bituminisation of reprocessing waste 2−17892
long term dry storage of irradiated oxide fuel and vitrified waste 2−12383
low-level radioactive waste treatment by volume reduction 2−12338
LWR nuclear plant shut-down costs *(German)* 2−12397
management activities in USA and abroad 2−17873
management operations, review and evaluation 2−17874
marine pollution evaluation, biological conc. *(Japanese)* 2−17582
natural draught centralized dry store for irradiated fuel and active waste 2−23048
new concept for the packaging and disposal of intermediate level waste 2−12384
nuclear facilities decommissioning problems survey *(German)* 2−7616
nuclear facilities total decommissioning *(German)* 2−7618
nuclear plant decontamination methods review 2−3854
nuclear plant decontamination methods review 2−7635
nuclear power plants, repository site selection *(Czech)* 2−7354
nuclear power plants and reprocessing facilities decommissioning, main parameters comparison *(German)* 2−7620
nuclear power plants decommissioning, legal problems and licensing procedure *(German)* 2−7617
nuclear power plants decommissioning waste disposal *(German)* 2−7621
nuclear power stations, current status of design and operation problems *(Hungarian)* 2−17838
nuclear power stations, safe enclosure in decommissioning *(German)* 2−7646
nuclear power stations closing-down in Federal Republic of Germany *(German)* 2−27618
nuclear power stations with PWRs, fuel elements preparation and waste disposal *(Czech)* 2−27620
operational waste materials and abandoned waste from nuclear power stations, storage in Konrad Fe mines *(German)* 2−12367
PWR, low and medium level waste treatment plant in Belgium 2−12386

radioactive waste continued
PWR nuclear power plant total removal, flow chart concept *(German)* 2−3885
radiation exposure in nuclear power plants, reduction by preventive maintenance 2−17839
reactor components demolition and dismantling *(German)* 2−12401
spent fuel management and extended storage 2−17846
spent reactor fuel, transportation containers, safety studies *(Polish)* 2−8232
steel drum containers survey for radioactive waste *(Japanese)* 2−7627
Swiss nuclear power station, weak radioactive waste solidification and intermediate storage *(German)* 2−12366
systems design criteria requiring modification 2−17875
waste actinides elimination by recycling to nuclear reactors 2−17848
Waste Isolation Pilot Plant facility design, safety and environmental assessments 2−17876
world-wide nuclear energy expansion possibility *(German)* 2−12371
U enrichment plants, licensing procedures in West Germany 2−17832

radioactivity measurement
see also radioactivity measuring apparatus
LSI constituent materials, radioactive determ. of U and Th and α-particle meas. *(Japanese)* 2−25280
radioactive lightning rods, exposure doses meas. and estimates *(Croatian)* 2−27580
sources, small, containing medium energy radioisotopes, quantitative meas. of activity 2−27030
Pu passive assay, with shift register neutron coincidence counter 2−7295
^{A}Pu, A=236-238, activity meas. 2−11817
^{222}Rn assaying systems, absolute calibration method 2−17431

radioactivity measuring apparatus
multi channel event-counter/timer 2−3421
scintillation counting, liq., in biomedical research, sample preparation 2−3398

radioactivity protection *see radiation protection*

radioaltimeters
see also aircraft instrumentation; radionavigation
C-band spectral tracking for FM/CW radio altimetry 2−21880

radioastronomical observations
see also radiosources (astronomical)
IC 1318 b, c in Cygnus X region, H II region, UHF obs. 2−2855
meteor showers, radiant distribs. imaging using microprocessor-based radar system 2−26566
meteor velocity determination used to find meteoroid vel. distrib. in near Earth orbit 2−21887
scintillations of radio sources, anal. of obs. 2−6881
sub-mm heterodyne observations of Sun, Moon, Jupiter and KL-object in Orion 2−21890

radioastronomical techniques
atmospheric interference elimination from images of extended objects in multiwave reception 2−2856
extended radiosources, baseline improvement method 2−21884
interferometric method for short baseline data 2−2855
meteor radiant distributions imaging, method using microprocessor-based radar system 2−26566
meteoroid velocity distribution in near Earth orbit, sliding window method 2−21887
millimetre wave astronomy developments 2−11128
scintillations of radio sources, anal. of obs. 2−6881

radioastronomy
see also quasars; radiosources (astronomical); radiotelescopes; solar radiofrequency radiation
British research and development, economic effects 2−18925
interferometric measurements, relativistic effects 2−6880
millimetre-wave, development trends 2−11128
radar measurements, relativistic effects 2−6880

radiocarbon dating *see radioactive dating*

radiocommunication
see also mobile radio systems; radio links; radio reception; radio stations; radiotelegraphy; radiotelephony
2 GHz DS-3 digital radio design for analogue route overbuilding 2−2685
6 GHz band 30 MHz channel digital radio system design and performance 2−2666
16 QAM system baseband adaptive equalisation with multipath fading 2−2668
aeronautical communications, review of history and future 2−10999
air-traffic control communications receiver, description *(Spanish)* 2−16607
amateur bands, 70 cm, development 2−16539
amateur radio, basic elec. theory 2−13191
amateur radio, general introduction 2−21741
antenna phased arrays for military communications 2−16343
anti-intercept margins of relay-augmented data links 2−6756
broadband transmission of messages in radiocommunication systems by non-sinusoidal EM waves *(Polish)* 2−16338
digital FM, narrow-band, error rate theory, time domain approach 2−15805
digital radio systems, freq. usage and modulation techniques, appls. 2−6748
digital radio techniques, multipath fading performance comparison 2−6749
digital troposcatter, conf., London, 1981 Oct. 2−10969
digital troposcatter transmission, spectra emission mask for FDM/FM system coord ination 2−10972
direct sequence spread spectrum system with long period and short period code sequences, QPSK/BPSK spreading for noise and jamming 2−2671
ELF communication system development, Polaris submarines appl. 2−21756
EMC estimates, effect of fluctuations in signal, interference and noise levels of receivers, digital data transmission 2−10962
frequency hopped spread spectrum signals, comparison of schemes for coarse acquisition 2−6752
frequency-hopped QPSK and QASK systems, coherent detect. with tone and noise jamming 2−10646
hostile jamming, information theoretic study of communication 2−2672
interference stability, industrial interference, pulse amplitude distrib. *(Russian)* 2−25990
ionospheric transequatorial VHF propagation paths through discrete plasma bubbles 2−2143

radiocommunication continued
lock detector algorithms for synchronization for PN code lock verification or carrier loop lock verification 2−10647
M-ary direct sequence spread spectrum communication, optimisation of processing gain, comments 2−10620
maritime radiocommunications in Italy, legal aspects *(Italian)* 2−6771
military tactical communications links, resistance to jamming by bandwidth expansion 2−6757
minimum mean square error equalization of interference of fading diversity channels 2−10534
multiple duplex radiocommunication equipment with active relaying, appl. *(Czech)* 2−6801
Polish Health Service, applns. *(Polish)* 2−21763
pseudorandom noise code, spectrum of product signal of PN code and its time-shared dithered replica 2−10616
railways, radiocommunication in Metro de Madrid 2−18691
road emergency services, applns. *(Polish)* 2−21764
satellite radio communication, effect of rain zones determined by dual polarisation radar *(Spanish)* 2−11023
ship satellite communication antennas, control analysis for direct mechanical stabilisation 2−10588
spread spectrum acquisition strategies 2−6463
spread spectrum communications systems, COMSIM 1 digital computer simulator, design and struct. 2−2673
spread spectrum modulation, used for amateur radiocommunication 2−15816
spread spectrum technology for tactical digital data links, variable-data-rate/variable-jam-resistance concept 2−2725
spread-spectrum multiple-access technique, quasi-independent freq. hopping 2−6770
spread-spectrum radios, anti-jamming appl. 2−21116
SW communications receivers, dynamic range improvement *(German)* 2−26410
train communications, current and future trends 2−18692
tropospheric scatter communication, review 2−10970

radiocrystallography *see X-ray crystallography*

radiofrequency amplifiers
see also preamplifiers
2m amateur band FM power amplifier for use with fixed/mobile transceivers 2−21729
HF, 10 kW, for long-distance communications, cooling design *(French)* 2−24421
low noise VHF preamplifier for 2 metre amateur band wave 2−730
MFT2 HF fast tuning linear amplifiers, characts. and microprocessor control 2−19551
optical broadband transimpedance preamplifiers, bipolar junction transistor and MESFET front end comparison 2−19577
solid state power system design 2−5111
thick film hybrid RF amplifiers 2−9002
VHF power amplifier design using VMOS power FET *(German)* 2−5118
VHF preamplifiers, 144 MHz, receiver performance effects, types 2−24422
VMOS FET power amplifier, class E, 0.5 to 10 MHz, for driving piezoelectric US transducers 2−728
VMOS RF power amplifiers, automatic gain control *(German)* 2−5119
wideband, impedance adapting *(Rumanian)* 2−731
GaAs, ultrabroadband monolithic amplifier 2−13978

radiofrequency and microwave spectra of polyatomic inorganic molecules
see also nuclear magnetic resonance; paramagnetic resonance
SO_2 sub-MM wave lasers, transitions meas. by diode laser heterodyne spectroscopy 2−20838

radiofrequency filters
ceramic filters, operation in thickness-twist mode, effect of filter parameters, HF appls. 2−20468
digital radio systems using PSK and FSK modulation, transmit filters, required bandwidth 2−2663
electromagnetic interference filter insertion loss meas. system using swept frequency method 2−21123
noise filters for semiconductor device technology, operation, construction and characts. 2−6344
noise prevention using EM interference filters, primary types and insertion losses 2−6341
PW Stour top-band transceiver, variable frequency oscillator and filter boards 2−16366
TV CCD comb filter conversion to permit separate obs. of luminance and chrominance signals 2−6908

radiofrequency heaters *see radiofrequency heating*

radiofrequency heating
ACT-1 toroidal device, plasma heating by wide $k_{\parallel}$ spectrum waveguide system 2−15721
cancer therapy by RF hyperthermia, non-perturbed and non-perturbing thermometer 2−27200
clinical hyperthermia, practical system 2−3503
domestic microwave oven, advantages and limitations *(French, German)* 2−28262
industrial microwave appls. *(French)* 2−23760
industrial microwave heating in USA current status and future developments *(French)* 2−28238
medium frequency induction plants static frequency convertors construction and operation *(German)* 2−23761
microwave beams from solar power satellite, ionosphere heating effects 2−27833
microwave drying of porous materials 2−13076
microwave ovens, automatic matching used to improve efficiency *(German)* 2−18762
microwave ovens for domestic use *(French, German)* 2−28261
microwave ovens in households *(French, German)* 2−23786
microwaves industrial applications, overview *(French)* 2−28239
process heating appls. 2−4469
textile thread drying using microwave heating process *(French)* 2−28304
Si solar cells, monocrystalline, n^+pp^+ structure, junction formation and metallisation sintering using direct coupled microwave heating process 2−12901

radiofrequency interference
see also atmospherics; jamming; radar interference; whistlers
2 GHz DS-3 digital radio design for analogue route overbuilding 2−2685
4 GHz TD radio link, 20 Mb/s FSK digital transmission expt. 2−6765
6 GHz 16 QAM digital radio performance with adjacent channel interference 2−2684

radiofrequency interference continued
airborne microwave measurements of western USA urban areas RF environment determ. 2−26004
AM broadcasting additional data channel using PSK preserving compatibility *(German)* 2−10623
arcsprayed metal coating, for EM/RF interference shielding 2−593
atmospheric, VLF, fluctuation and pulse components intensities relationship calc. 2−2166
atmospheric interference elimination from images of extended objects in multiwave reception 2−2856
atmospheric RF interference models applicability evaluation 2−6346
bipolar operational amps., comparative RFI performance 2−21130
broadcast radio and TV interference, correction techniques for transmission line corona 2−25997
carrier tracking loop performance in the presence of strong CW interference/ 2−778
commutator type motors, RFII from household appliances, suppression, ccts. 2−7813
design requirements on electrical and electronic equipment 2−26013
digital large-capacity radio systems using 16QAM and 8PSK modulation, RFI, outage 2−26425
digital mobile radio systems, PSK digital modulation methods in Rayleigh fading environment and presence of co-channel interference 2−2708
digital radio system in presence of interference, comparison of calc. and obs. of performance, multi- path fading model 2−6758
direct sequence spread spectrum communication system, tone interference, anal. using Gaussian approx. 2−2670
DSCS satellite, RF isolation and compatibility, MIL-STD-1541 2−26480
electronic equipment, conformity with RFI regulations, certification 2−10524
electronic instruments in use at power stations, radiation RFI effects 2−10531
electronic systems, electromagnetic incompatibility problems 2−10517
ELF/VLF impulsive noise, anal. and modelling 2−21330
FDMA data transmission systems, adjacent channel interference and intermodulation distortion, computer-aided anal. 2−16448
HF multipath interference in 150-mi over-ocean link, elimination using adaptive receiving antenna array 2−10980
high-voltage power lines, statistics 2−15729
IC protection, planar multi-hole capacitor filter for a dual in line package 2−21160
instrumentation, effects of radio interference 2−15724
instruments earthing, shielding and interconnection, conf., London, England (Jan. 1982) 2−23900
locating and correcting TV and radio interference 2−25994
M-ary QAM detection efficiency for corruption by thermal noise and co-channel interferers 2−6396
mass-produced electronic equipment assessment rel. to UK RFI regulations, production testing procedures 2−8295
measurement techniques and specification of instrument parameters 2−10532
microwave beams from solar power satellites, ionospheric and telecommunication effects 2−27833
microwave FM links, baseband equalizer for intermodulation noise reduction 2−16350
Middleton's canonical formula for Class A noise 2−15728
mobile radio, radio interference statistical charact. in active zone 2−2715
multichannel radiotelephony, two-channel interference compensator for FM signals, synthesis, anal. 2−16375
population census data in metropolitan areas, relation to VHF radio noise measurements 2−26012
protection regulations, technical aspects 2−26572
pseudorandom signal filtering in presence of similar drifting interference, algorithm stability 2−2349
pulse-modulated, smooth, probability-amplitude distribution model 2−15734
radio noise spectrum meas. by surge current arcs 2−21121
RF sniffer for solving RF interference problems 2−21117
satellite Earth station frequency coordination 2−26476
satellite electronic circuits, interference protection, EM interference compatibility, noise *(German)* 2−21778
satellite link, dual polarisation, adaptive cancellation to reduce crosspolar interference 2−16451
semiconductor device noise generation, simple models, RFI aspects 2−10523
site selecting work for mobile communications 2−26441
space diversity combining of narrow-band digital signals in the presence of interference 2−2674
space-diversity reception, optimum signal combination 2−15737
susceptibility test system, automated 2−21127
SW transmitters, correlation charact. of random interference acting in decimetre band region 2−15738
switched mode power supplies, RF interference reduction 2−8979
thyristor phase control ccts., RFI generation and suppression 2−8985
topside ionosphere, HF radio noise from ground-based emitters, DMSP satellite measurements 2−26005
transmitters in LF/MF bands, co-channel interference meas. using envelope anal. method 2−16578
VHF man-made radio noise, road vehicle ignition systems as noise surfaces, amplitude meas. 2−11608
wind and deformation meas., on high radio tower 2−6348
commutator motor, influence of RFI on machine performance, obs. 2−4217
Ag contact closing arcs, cause of max. RFI 2−14350

radiofrequency oscillators
6 MHz clock generator, for use with Z80 and Z8000 microprocessors 2−9020
additively disturbed bit-flow in the video band, synthesis of optimal synchronisation algorithms *(German)* 2−24430
CMOS crystal oscillator and MHz range 2−1529
FET dip oscillator, 1.6-215 MHz with tone dip feature 2−26865
high-power thyristor magnetic high-frequency harmonic generator 2−24439
phototron, direct conversion of light to radio frequency energy 2−9382
Programma 2, construction details 2−19586
PW Stour top-band transceiver, variable frequency oscillator and filter boards 2−16366
quartz, HF oscillator 2−25404
quartz crystal IC oscillator, single-chip, 600 kHz, charact. and appl. *(German)* 2−9832

radiofrequency oscillators continued
SAW FM-oscillator design using 3-IDT delay line and doubly balanced differential amplifier, negative feedback 2−19590
SHF oscillators, synchronised operation coupled through ring power adder 2−19587
single-tank self-biased FM oscillations, parasitic amp. modulation 2−9024
tunnel diode oscillators, stabilisation using supercond. cavities 2−19585
UHF acoustic oscillators, comparison of SAW devices, bulk resonator and cryst. oscillator 2−1538
VCO, HF, temp. stable, on monolithic chip 2−19582

radiofrequency spectra of polyatomic inorganic molecules *see radiofrequency and microwave spectra of polyatomic inorganic molecules*

radiofrequency spectrometers
see also magnetic resonance spectrometers
dielectric frequency domain spectroscopy system, computer-controlled, using sampling oscilloscope 2−22068

radiofrequency spectroscopy
see also magnetic resonance spectroscopy; nuclear magnetic resonance; radiofrequency spectrometers
solids, automatic spectroscopy in LF range 2−3245

radiofrequency sputtering
CC/a-/Si-H, hydrogenated film struct. and prop. depend. on RF-sputtering gas press. 2−600
Y_2O_3, RF sputtered coating on In_2O_3:SnO_x and SnO_2 films 2−5013
Al metallisation of MOS devices, effect of H_2-Ar mixing 2−1320
Al metallisation sputtering systems, using high-rate magnetron cathode for mass production 2−19446
$Al_xIn_{1-x}N$ thin films, RF sputtering deposition 2−19447
Cd-Si-As film, sputtered, compositional studies 2−5012
Co-Cr films for perpendicular recording, RF sputtering deposition 2−15128
Co-Cr films with perpendicular magnetic anisotropy, RF sputtering prep., coercivity and X-ray orientation 2−15126
$CuIn_yGa_{(1-y)}Se_{2z}Te_{2(1-z)}$ heterojunction solar cells prep., RF sputtering technique, charact. 2−23590
GaAs:H, amorphous, RF sputtering and optical props., H_2 partial press. effect 2−19427
GaN film, RF reactively sputtered, dielec. props. 2−9757
$(GaSb)_{1-x}Ge_x$ films, single cryst. metastable, growth, thermal stability and characteristics 2−13832
$(Hg_{1-x}Cd_x)Te$ RF triode-sputtering film for IR detector arrays 2−9436
$InP-In_{2-x}Sn_xO_{3-y}$ solar cell fabrication, appl. of RF and ion-beam sputtering 2−23594
$PbTiO_3$ ferroelectric thin film, prep. by sputtering and laser annealing 2−1509
Si amorphous film, props. control by control of plasmachemical prep. processes, use in solar cells 2−19429
Si amorphous RF sputtered coating, photocond., optical and EPR props. 2−20093
Si:H, amorphous, RF sputtered, transport props. 2−1204
Si:H, amorphous RF magnetron sputtered coating, elec. and optical props. 2−19425
Si:H, amorphous RF sputtered coating, IR 2000 cm^{-1} absorpt. band and photoelectronic props. 2−20096
Si:H amorphous thin film solar cells electrical and optical props. optimisation using RF bias-sputtering 2−23446
ZnO, sputtering technique for thin film deposition *(Japanese)* 2−9844
ZnO transparent and highly conductive films, prep. by RF reactive magnetron sputtering 2−5009
ZrO_2 thin films for solid electrolyte fuel cells by RF sputtering 2−12836

radiogoniometers *see goniometers*

radiography
see also electrophotography; neutron radiography; radioisotope scanning and imaging; scanning radiography
advances 2−19472
angiographic experimental digital subtraction unit, imaging capability 2−3481
autoradiographic intensification of electronographic imagery 2−16861
autoradiography appls. to microelectronics 2−5477
backscatter measurement by an ion chamber method 2−27141
butt weld, automatic interpretation of radiographic monitoring 2−633
cinefluorographic and fixed imaging systems, sterile radiation shield 2−7360
collimators and X-ray generators, semi-automatic and automatic, operational charact., Medicor works 2−17369
Compton scatter imaging using a high speed flying spot X-ray tube 2−3470
computer angiography intravenous 2−3467
dielectric detectors, α-particle track autoradiography appls. *(Russian)* 2−7288
digital devices, appl. to blood vessel diameter and I conc. estimation 2−3478
digital fluoroscopy for injecting contrast material into arterial system 2−27166
digital vascular imaging system 2−3475
dimension extraction from radiographs 2−8864
dimensioning flaws in pipeline girth welds by radiographic methods 2−8867
electrical engineering in medicine, prospectives *(Slovenian)* 2−27106
electrical insulation degradation investigation methods, study 2−15039
electronic layer picture *(German)* 2−7320
electronic radiography in X-ray diagnosis/ during surgical procedures/, dose reduction 2−3464
exposure controls, automatic, performance when used with rare-earth intensifying screens 2−17373
exposure factors, microcomputer calculated, clinical evaluation 2−27165
exposure from diagnostic X-ray machines, meas. using solar cells 2−27221
femoral bone densitometry, autonomous apparatus *(French)* 2−22545
film density variability 2−8866
fluoroscopic X-ray systems, added quality control meas. 2−17374
gastrointenstinal X-ray exam. unit, Medicor works 2−17368
generator development trends 2−17365
image restoration, digital technique 2−649
image transmission system, qualifying measurements in the Medicor works 2−17364
index technique for defect sizing in pipe welds 2−8865
intensifying screen material for γ- and X-ray radiography, atomic mass effects *(German)* 2−13901
mammography, comparison of TLD and ion chamber dosimetry 2−22578

radiography continued
Maximus TM 100: a generator with fast dose-rate control 2−3477
medical imaging methods, review 2−17345
microfocal radiography using the electron microscope 2−8856
nondestructive testing methods, review 2−647
Polyphos 300, medium-freq. X-ray generator 2−3466
power transmission equipment radiographic examination 2−17741
real-time TV images formation, using point-source X-ray technique 2−22158
reproduction on 35-mm rapid-process copy film, improved lighting techniques 2−17372
TEXAC, digital radiography 2−3485
tubing butt welds reference radiographs 2−8863
TV application, present development state and future prospects *(German)* 2−7319
TV system, resolution and transmission problems 2−17366
urologic X-ray equipment range, Medicor works 2−17367
weld defect detection, X-ray and US exam. 2−19473
X-ray, nondestructive testing and fatigue behaviour of carbon fibre reinforced plastics 2−8859
X-ray flux scanning, improved performance 2−634
X-ray tube, revolving anode, with a microburn trace *(German)* 2−7321
Si diode matrix array for α-particle autoradiography 2−3402

radioisotope scanning and imaging
see also computerised tomography; scanning radiography
camera, rotating laminar emission, with Ge-detector, anal. 2−22547
camera, rotating laminar emission, with Ge-detector, expt. results 2−22546
camera views, distortion introduced by multiformat imagers 2−3479
cardiac gated scintigram analysis using digital boundary detect. techniques 2−7317
cardiac isotopic image processing 2−3486
computerised tomography, performance characts. of 7-pinhole system 2−27126
computerised tomography, single-photon system using 10 scanning detectors, characts. evaluation 2−17359
computerised tomography, transaxial single photon, using a rotating γ-camera 2−17363
continuous image recording using grey-tone dry-process Ag paper 2−3085
dual tomographic scanner, image intensity settings 2−7316
ECG gate signal delays, determ. method 2−7329
Fourier multiaperture emission tomography quantum noise calcs. 2−7318
gamma camera, BRH test pattern for evaluation 2−3472
gamma camera data anal. systems, evaluation of count rate losses due to dead time 2−22534
gamma camera tomography 2−8152
gamma-ray image intensifier camera, peformance study 2−17354
Gammacamera, Toshiba mobile model GCA-50A, diagnostic appls., operation 2−17376
medium energy radioisotope containing sources, quantitative meas. of activity 2−27030
nuclear medical technology, conf., energy outlook in the 1980s, Ames, Iowa, April 1981 2−13152
oscilloscope, digital variable persistence, γ-camera appl. 2−11902
picture processing in nuclear medicine, coding and decoding 2−22549
positron emission systems using time-difference information meas., image reconstruction technique 2−27158
positron emission tomography, detectors, shielding, sampling, electronics 2−27155
positron emission tomography, photon time-of-flight assisted, image reconstruction and noise evaluation 2−22544
positron emitters on-line radioassay of clinical sources 2−27029
pulmonary tumour visualisation by computed subtraction scintigraphy with ^{67}Ga citrate and ^{113m}In chloride *(Russian)* 2−17346
review of medical imaging methods 2−17345
scintillation camera, collimator and detector response comparison 2−27151
semiconductor γ-cameras and nuclear medicine imaging 2−27154
single emission tomography research 2−7325
solid state track detectors appls. 2−17287
thyroid, tracer activity monitoring, CdTe γ-detector appl. 2−11894
tissue signature identification anal. of nuclear medicine images, texture anal. of uniform fields 2−11916
tomograph for noninvasive meas. of brain blood perfusion 2−17378

radioisotope separation *see isotope separation*

radiology
see also patient diagnosis; patient treatment; radiation therapy; radiography; radioisotope scanning and imaging
computer-based RADEX system 2−3511
cytology constrained optimisation 2−3510

radiolysis
hexafluorobenzene, liquid, fast migrating negative species study using pulse radiolysis 2−1474
pulsed radiolysis drift tube experiment, diffusion effects 2−24853
vinyl chloride, electron-beam initiated destruction in carrier gas 2−17581

radiometers
see also infrared detectors; microwave detectors
automatic E-H tuner, for microwave radiometer, using logic cct. 2−17350
IR radiometer, appl. to Earth-atmospheric IR background meas. 2−27267
laser radiometer, characts. and performance, temp. radial gradient meas. *(Rumanian)* 2−11496
Linear Array Pushbroom Radiometer, three band, characts. 2−3165
MIC fin-line receiver front-end, Ka-band, radar or radiometer noise reference appls. 2−24709
microprocessor applications *(Bulgarian)* 2−26716
MM-wave airborne radiometer for 94/183 GHz high altitude atmospheric meas. 2−22725
MM-wave forward-looking imaging radiometers, appls. near Earth's surface, multibeam sensors 2−7451
MM-wave radiometer, 4-channel amplitude comparison type, passive short-range guidance appls. 2−26784
mm-wave radiometer system, atmos. parameter meas. from Upper Atmospheric Research Satellite 2−22724
multichannel scanning radiometer for remote sensing cloud physical parameters 2−12074
nonlinear radiation receivers, quantum efficiency of detection 2−7110
output signals amplification and demodulation 2−3158
remote sensing by IR/visible ratioing radiometer, reflectance and radiance meas. 2−12068
sea-ice microwave signatures, simultaneous scatterometer and radiometer meas. 2−27282
solar radiometer, field limiter 2−7107
visible IR spin-scan radiometer atmospheric sounder, calibration 2−17558

radiometry
see also radiometers
emissivity, determination method for objects at normal temp. 2−17155
extraterrestrial solar radiation meas. and analysis 2−12544
microwave link, rain attenuation meas. over New Delhi with radiometer at 11 GHz 2−10476
microwave radiation from water surface, temp. variations in presence of ripples determ. 2−27283
microwave radiation of water surface, dielectric property variations influence 2−26948
microwave radiometric polarization meas. for solving converse problems 2−3267
MM-wave airborne imaging system at 140/220 GHz 2−22165
multispectral scanner test-bed aircraft system, radiometric performance 2−3545
ocean surface and atmosphere microwave meas., inverse problems formulation and solution 2−27284
OTS beacon meas., correlation with radiometer and rainfall data 2−11050
pyroelectric devices, appls. 2−1548
sub-mm heterodyne observations of Sun, Moon, Jupiter and KL-object in Orion 2−21890
thermal imaging systems, radiometric characterisation of target, environmental radiation effects *(Chinese)* 2−3062
TIROS-N series satellites, high-resolution weather satellite pictures, receiver design 2−11026

radiometry, ultraviolet *see photometry*

radionavigation
see also radio direction-finding
375-MHz SAW oscillators in UHF Transit satellite links 2−24432
406 MHz emergency position indicating radio beacon, sea trial 2−21876
aero radionavigation after 1990 *(French)* 2−2846
air navigation aids, Loran, Doppler systems *(Spanish)* 2−21874
aircraft, Distance Measuring Equipment, expt. unit, components and appls. *(Japanese)* 2−2843
aircraft navigation systems, flight testing and instrumentation 2−17473
aircraft strapdown inertial navigation systems, rapid alignment using Navstar Global Positioning System 2−6874
ATC, satellite applications in position finding and communications, resolution and accuracy *(German)* 2−17536
aviation navigational aids, review of history and future 2−10999
Comet Halley ion drive flyby, navigation accuracy anal. 2−17454
Comet Tempel 2, ion drive rendezvous, navigation accuracy anal. 2−17532
CW hyperbolic position fixing system, automatic microprocessor-based receiver 2−16530
Decca system, errors due to ship's metal structure 2−26562
DME/DME, area navigation appls., fix geometry, aircraft/environment computer simulation 2−16525
Doppler navigation radar with microwave simplicity 2−21881
Global Positioning System satellite receiver, simulation and software verification 2−16529
JTIDS and GPS integration for enhancing position reliability 2−6876
JTIDS dual grid navigation using time synchronized data links 2−6869
JTIDS relative navigation test and evaluation 2−6873
Loran C signal propagation delays, influence on international time scale comparisons 2−22034
Loran C signals for land vehicle location, accuracy and stability 2−26565
LORAN-C evaluation for nonprecision approach appls. 2−2849
LORAN-C for civil aviation appls., flight test investigation 2−2848
microcomputer-based, using QTH locators 2−6868
microwave landing approaches, computer animated predictive displays 2−12017
microwave landing system, advantages over instrument landing system 2−2845
mini-tracer system for buoy tracking and position monitoring 2−21877
NADCON, ship solid gain AR autopilot, comparison with PID autopilot *(Japanese)* 2−2852
Navstar field test results 2−6872
NAVSTAR Global Positioning System, appl. of geodetic receiver to geodesy and geophysics 2−7409
NAVSTAR GPS, applicability to civil aviation 2−21882
NAVSTAR GPS, applications 2−21883
NAVSTAR GPS, future enhanced capabilities 2−22589
Navstar GPS navigation filters, dynamic performance anal. 2−6875
Navstar GPS program review 2−6871
Navstar GPS receiver for satellite applications 2−6877
Navstar space-based navigation system, computer simulation and performance capabilities 2−21878
NAVSTAR/GPS satellite configuration *(French)* 2−2847
offshore environment, anal. of helicopter operations and use of MLS 2−2850
operative position finding, artificial satellite appls. in navigation, geophysics and surveying, dist. meas., radio interferometry *(German)* 2−17455
positioning methods, radio and acoustic techniques *(Japanese)* 2−2851
SAT NAV satellite maritime navigation system *(Spanish)* 2−21875
satellite appl. to surveying and ocean navigation, Transit development 2−6866
satellite based Doppler location, mean-term potential 2−6867
satellite based radionavigation system, GPS, software testing, emulation based simulation facility 2−21879
Shuttle landing guidance system, precision spatial calibration 2−17495
SINTAC program, positioning performances *(French English)* 2−6870
tachogenerator residual voltage influence *(Russian)* 2−3025
Transit satellite marine navigation system receivers, SAW oscillators 2−2844
VHF omnirange radial aircraft navigation system, waveform synthesis and calibration 2−12025
VTOL landing guidance, shipboard, navigation performance evaluation 2−17484
worldwide navigation systems Omega, Transit and Navstar/GPS 2−16526

radiophones *see radiotelephony*
radios *see radio receivers*
radiosondes
see also meteorological instruments
ASOND-78, intercomparison of Vaisala, VIZ and Swiss radiosondes 2−3606
biomedical batteryless on-demand-sampling active radiosonde, intracranial press. meas. appl. 2−11897
ionosonde produced by Radio Research Labs., Japan *(Japanese)* 2−27274
radiosources (astronomical)
see also quasars
celestial, appl. to exact gain meas. of large aperture antennas 2−21885
Cygnus X, IC 1318 b, c, H II region, UHF obs. 2−2855
extended radiosources, baseline improvement method 2−21884
scintillations of radio sources, anal. of obs. 2−6881
radiotelegraphy
amateur, picture transmission methods 2−2464
CW and RTTY video terminal 2−26398
electronics industry historical developments with emphasis on radiotelegraphy *(Italian)* 2−16072
IRT 1500 rural TDMA radio subscriber loop system, UHF freq. operation, speech and telegraph 2−2686
marine narrowband teletype systems, PACT 200 *(Polish)* 2−2471
microwave relay system for telephone/telegraph services, 0.79 GHz to 0.96 GHz, digital multiplex equipment 2−6761
Morse code, learning and basic guidance 2−16367
new reception equipment at the Hokupo telegraph receiver station/ *(Japanese)* 2−2468
Ptarmigan electronic teleprinter and facsimile transceiver terminals, appls. 2−21754
radioteletyping interface systems, review 2−10793
RTTY bulletin board or message drop program for TRS-80 personal computer 2−26262
RTTY interference due to poor operating habits 2−26233
VHF CW add-on for SSB or FM, VOX facility for transceiver, key or microphone input 2−10982
VHF RTTY communication possibilities and difficulties 2−26232
radiotelephones *see radiotelephony*
radiotelephony
Aurora cellular mobile telephone system 2−21745
automatic radiophone service, London 2−26427
automobile radiotelephone systems with through dialling *(German)* 2−10997
cellular mobile radiotelephone service technology 2−26448
cellular mobile radiotelephone system operation 2−26449
construction works, multiproject radiotelephone system 2−6764
CONTACT RL400, radio relay equipment for military use 2−26402
cordless telephone handsets, NBFM-modulated transmission from transponder at 1.6 MHz and from handset at 49 MHz 2−6783
cordless telephones, legal aspects, similarities with UK CB systems 2−21744
digital, TD/FDMA scheme 2−11006
digital local-area radio-links network, RF assignment problems, network optimization algorithm appl. 2−2692
digital microwave links in local distrib. networks, freq. bands, line-of-sight constraints 2−6760
digital microwave radio distribution systems in France, 1.5-GHz TDMA system and 31-GHz point-to-point link for remote telephone subscribers 2−2691
digital microwave rural telephony system, IRT 1500, telephone concentrator, facilities using TDMA techniques 2−6763
digital mobile radiotelephone system using TDMA/FDMA scheme 2−21761
digital radio as a component of telephone transmission networks 2−6740
E10.S/TSS.5 digital PCM switching system, appls. in private-line networks, mobile radiotelephone networks and directory service 2−6690
field strength survey techniques, device measurement, computer predictions 2−16379
Home Office VHF SSB trial 2−16401
Houston Public Works Dept. radio trunking system 2−2696
INTELSAT system for telephone and TV relay services, present status and future trends *(Japanese)* 2−11014
interconnected radio/telephone systems, troubleshooting procedures 2−2699
interference statistical characteristics, in active zone 2−2715
IRT 1500 rural TDMA radio subscriber loop system, UHF freq. operation, speech and telegraph 2−2686
Italian link with South America, installation details and history *(Italian)* 2−21444
local distribution in a digital communications network for business organizations, microwave radio and fibre-optic systems 2−2462
MF radio communication system for underground mining, system design and performance 2−16407
microwave, develop., review 2−16365
microwave radio relay links, site surveying in post-planning phase, repeater stations, propag. paths, TV/telephony appls. 2−16351
microwave radio-relay systems, analogue FDM/FM and digital FSK transmission, outage and compatibility 2−26395
microwave relay system for telephone/telegraph services, 0.79 GHz to 0.96 GHz, digital multiplex equipment 2−6761
MM-wave subscriber links, attenuation aspects, freq. allocation, equipment 2−6762
mobile radiotelephone system troubleshooting by anal. of interface 2−16384
mobile telephone in Nordic countries 2−26207
mobile VHF radiotelephone services, speech transmission quality 2−16380
multichannel radiotelephony, two-channel interference compensator for FM signals, synthesis, anal. 2−16375
NEC medium-sized mobile radiotelephone system, description, component equipment 2−6775
new reception equipment at the Hokupo telegraph receiver station/ *(Japanese)* 2−2468
oil industry communication systems, cable and microwave transmission networks 2−6550
private mobile radiotelephone systems, interconnect signalling problems 2−2701
public mobile radiotelephone system for province of Alberta, Canada 2−2700
Radio Subscriber Loop System, business information signal transmission in 26-GHz band using TDMA 2−2690
radiotelephony continued
rural communication, technical solns., general survey *(German)* 2−16026
rural radio telephone system, automatic 2−10782
satellite TDMA communications link, digital speech interpolation system *(Japanese)* 2−6796
signalling protocol, simulation 2−11008
SIRENA automatic re-routing system for quaternary group connections in Italian telephone network *(Italian)* 2−16029
Starswitch/Starcall satellite switched telephone network for reservation appls., microprocessor system 2−16427
Stornophone 900, microcomputer controlled radiotelephone *(Danish)* 2−21750
Swedish automatic mobile telephone network proposals *(Swedish)* 2−21445
Swiss national car telephone network, multipurpose transmission site at Froburg, Switzerland *(German French)* 2−11168
syllabic compandor for 800 MHz land mobile and telephone system *(Japanese)* 2−6772
UHF mobile radiotelephone systems, 825-845 MHz and 870-890 MHz bands, FCC decision 2−16382
radiotelescopes
see also radioastronomy
antenna driving systems, state controllers and observers 2−16537
antenna response and Muller polarization matrix 2−16533
antennas, large aperture, exact gain meas. using celestial radio sources 2−21885
bolometer receiver for NRAO 36-foot mm-wave telescope, cooling to 0.4K 2−21891
feed-error compensation for large Cassegrain antennas, gravitational astigmatism elimination appl. 2−11131
low-noise mm-wave receiver, 230 GHz, all solid-state design, portable 2−21892
low-noise mm-wave Schottky mixer receiver for astronomical obs. from 80-120 GHz 2−21894
millimetre wave astronomy developments 2−11128
mm-wave receiver, 200-350 GHz range, all solid-state, appl. 2−21893
radioheliograph at Nancay *(French)* 2−6879
RATAN-600, polarisation characts. and antenna radiation pattern determ. for no aberration 2−16535
RATAN-600 radiation pattern allowing for aberrations 2−16536
reflector antennas, four-cornered surface plates, internal twist and least-squares adjustment, theory 2−11127
space mirror radiotelescopes, design and dev. 2−6878
sub-mm heterodyne astronomy from Mauna Kea 2−21888
sub-mm heterodyne spectrometer, 300-500 GHz, development, radioastronomical appls. 2−21889
surface meas. of mm-wavelength radio telescopes by modulated laser beam 2−11129
synthetic aperture radar, spacetime for planetary geodesy and navigation 2−22646
turning-head antennas, oscillations about azimuth axis *(German)* 2−15781
UK mm wavelength telescope facility, potential random materials transmission spectra 2−21895
variable-profile antenna, secondary mirror polarization props. 2−16534
Very Large Array (book) 2−11130
Westerbork Synthesis Radio Telescope, multifrequency cryogenically cooled front end receiver 2−26564
radiotherapy *see radiation therapy*
radiowave propagation
see also electromagnetic wave propagation
6-GHz radio signals, multipath fading, path length dependence, expt. study 2−6334
6-m band amateur radio *(German)* 2−10474
airborne microwave measurements of western USA urban areas RF environment determ. 2−26004
airborne UHF radiolink for over-sea use, mathematical model 2−6773
amateur radio propagation modes in Japan, ionosphere transmission, transequatorial propag., irregularities *(Japanese)* 2−16337
AMSAT-Oscar satellites, passage through Earth's shadow in 1978 2−26470
antipodean focus of decametre waves, interference interpretation 2−2127
Arctic region, radar echoes altitude range and signal intensities 2−15698
atmospheric boundary layer, refr. index struct. near land-sea boundary 2−2151
atmospheric interference elimination from images of extended objects in multiwave reception 2−2856
atmospherics, dispersive propagation in land and sea-ionosphere waveguide 2−15709
attenuation in air below 1000 GHz 2−21101
auroral absorption events correl. with ionosphere electron content enhancement 2−15692
auroral electron precipitation, appl. of Ramfjordmoen partial refl. expt. 2−15706
auroral plasma stimulation by high power pulsed HF radiowave transmitting system 2−15696
backward radio wave scattering by sea surface, spectra study 2−25960
centimetre and millimetre wave scattering due to rain and hail, summary of studies 2−10468
clear air propag. on line-of-sight radio paths, review 2−10487
clear weather effects at freq. above 1 GHz 2−10486
clouds radar apparent reflectivity at attenuation wavelength, distrib. calc. 2−21106
coherent polarization-diversity radar, propag. effects 2−25948
computed transmission through rain in 1 to 400 GHz range 2−10466
cross polarisation on microwave links during precipitation, review 2−10493
cross-polarization discrimination meas. at 11 and 17 GHz 2−10471
cross-polarization meas. on earth-space paths at 11.7 GHz 2−10473
crosspolarisation measurement, 11 GHz microwave link 2−15713
D-region radar reflection properties and structure 2−25943
daytime ionospheric drift meas. during sporadic E over Ahmedabad, India 2−2126
decametric long path propag. at 10 MHz, adiabatic method analysis 2−2133
depolarization by atmospheric hydrometeors, review 2−10494
digital microwave radio in 4, 6 and 11 GHz common carrier bands, multipath propag. effects 2−2677
digital radio relay systems in 4, 6 and 11 GHz common carrier bands, multipath propag. effects 2−2678
digital troposcatter, conf., London, 1981 Oct. 2−10969

radiowave propagation continued
diversity effects of propagation characteristics during multipath fading in microwave links *(Japanese)* 2−21733
E-layer critical frequency prediction 2−10467
E-region, polar, elevated electron temps. determ. from radar incoherent scatt. obs. 2−10481
E-region, radar echoes interpretation from 100 km using phased antenna array 2−15703
effective polarisation parameters of rain from orthogonal linearly-polarised transmissions, meas. theory 2−10472
effects, 6-m band amateur radio *(German)* 2−10474
EHF, satellite communication systems appl. *(French)* 2−15690
EHF Zenith atmospheric attenuation, correction of astronomical obs. 2−10485
electrojet, equatorial, magnetic storm time elec. field changes, VHF back-scatter from plasma irregularitie-s 2−6327
ELF atmospherics, distrib. function for ELF noise 2−21118
ELF/VLF wave propagation on auroral electrojet modulation wave generation 2−21098
equatorial anomaly, total electron content, lunar oscills. from VHF Faraday rot. obs. 2−2142
European Orbiting Test Satellite, down-link propag. meas. 2−21779
F_2-layer infrasonic oscills. assoc. with thunderstorms, detect. by HF radar obs. 2−10482
F-region, critical freq. and peak height, comparison of CCIR predictions and obs. over Brazil 2−10499
FM and AM pulse diffr. characts. 2−2147
FM signal transmission experiments via Japan's communications satellite *(Japanese)* 2−16420
ground scattering in microwave links 2−2137
ground wave propagation over a mixed path with an elevation change 2−21093
ground-wave propagation, theory for medium and long distances 2−6324
ground-wave propagation, theory for short distances 2−2136
gyroechoes in presence of sporadic-E layer, mechanism and characts. 2−15704
HF ground wave propagation over mixed land, sea, and sea-ice paths 2−2139
HF long-distance communication (USSR to Cuba), ionospheric daily variations 2−15691
HF propagation over sea ice, remote sensing possibilities 2−2138
HF radio wave direction of arrival measurement, automated equipment 2−21086
HF reflected from F-region and ground used to study electrojet 2−2141
Io plasma torus, electron gyroharmonic waves obs. 2−15700
Io plasma torus, radiowave ray tracing 2−15701
Io tonus electron content, dispersive Doppler meas. 2−15699
ionosphere, artificial discontinuity excitation of HF radiation with oblique beam radiowave scatt. *(Russian)* 2−25958
ionosphere, blackout of refl. signals, occurrence rel. to max. plasma freq. 2−15708
ionosphere, conf., Po uoli, Italy (October 1980) 2−15715
ionosphere, D-region partial reflections, amplitude statistics 2−25949
ionosphere, decametric waves close to F_2 MUF during oblique propag. 2−2132
ionosphere, Doppler shift in horizontally homogeneous medium 2−2131
ionosphere, field-aligned ionization scatter geometry applied to transequatorial paths 2−15712
ionosphere, freq. dispersion during transmission and refl., review of theoretical studies 2−10477
ionosphere, HF ducts in auroral zone 2−2134
ionosphere, HF propagation prediction using F-layer critical frequencies observed with Ionosphere Sounding Satellite-b *(Japanese)* 2−25955
ionosphere, medium latitude whistlers, propag. characts., direction finding obs. 2−15694
ionosphere, scattering by equatorial and high latitude waves and irregularities 2−15695
ionosphere, scintillations associated with geomagnetic storm (22 March 1979) *(Japanese)* 2−25954
ionosphere, transitional plasma processes in strong standing radiowave 2−2130
ionosphere midlatitude MF and HF absorption winter anomaly, geomag. control 2−21099
ionosphere scintillation, freq. depend. appl. to electron density irregularities estimation 2−25941
ionospheric, statistical characts. 2−25953
ionospheric absorption at low latitude, seasonal and solar control 2−21095
ionospheric plasma, nonlinear effects caused by two VHF pulses *(Russian)* 2−25957
ionospheric propagation, inverse scattering theory 2−10507
ionospheric residual errors in spatial dual-freq. radio location 2−6321
ionospheric wave duct excitation mechanism 2−2129
Japan's communication satellite, propagation experiments *(Japanese)* 2−15710
Japan's communication satellite, PSK signal transmission experiments *(Japanese)* 2−16421
land mobile radio propagation in London at 936 MHz 2−26435
LF EM oscillations generation by field of powerful radiowave in ionosphere 2−21104
LF waves at oblique incidence, ionosphere refl. height determ., use of AM transmitters 2−21090
line-of-sight digital microwave propag., two-tone amplitude dispersion, distance var. 2−6768
low elevation angle propagation measurement of 1.5-GHz satellite signals in the Gulf of Mexico 2−21092
lower ionosphere, variation of parameters under action of high-power radio emission 2−25951
magnetoplasma, ray trajectories of EM modes, theory 2−10516
magnetosphere, oblique ordinary mode propag. in plasma 2−25942
magnetosphere nonducted coherent VLF waves, particle interactions 2−10480
magnetosphere VLF wave injection, whistler mode sideband generation 2−2140
man-made ionospheric disturbances, refraction of radiowaves 2−25952
microwave attenuation by rain rel. to star network design *(Hungarian)* 2−10475
microwave equatorial scintillation intensity during solar maximum 2−10498
microwave line-of-sight path propag. multipath fading and ducts 2−6336
microwave line-of-sight propag., fading due to effect of meteorological mechanisms 2−6335
radiowave propagation continued
microwave link, rain attenuation meas. over New Delhi with radiometer at 11 GHz 2−10476
microwave links, cross polarization during clear air conditions 2−10488
microwave links, fading investigations on two hops with different length and with optical range at 7.5 GHz*] (German)* 2−2153
microwave links, tropospherically-conditioned availability, prediction *(German)* 2−26421
microwave propagation in magnetised plasmas of high-density 2−10501
microwave satellite communications in L-band, Antarctic regions, propagation effects, mag. field and atmos. data var. 2−26482
microwave telecommunication links, influence of tropical rain 2−25962
microwaves, radio-refractivity changes associated with sea and land breezes 2−6331
mm-wave attenuation in cloudy atm. 2−2145
MM-wave terrestrial/satellite communications, atmospheric attenuation, signal loss, optimum carrier freqs.- 2−6333
mobile radio propagation at 900 MHz in urban areas 2−26453
mobile radio propagation experiments for CB radio service at 934 MHz 2−26452
multipath delay characteristics for digital microwave links *(Japanese)* 2−21089
multipath distortion causes, effects in microwave links 2−10963
NATO troposcatter link, Scandinavia, 25 years of operating experience 2−10985
normal-wave method for long-distance radio paths 2−21105
North Sea troposcatter link, angle and space diversity tests 2−10509
orthogonal polarisation technology, used in satellite transmission, KDD Yamaguchi transmitter *(Japanese)* 2−26469
OTS, RF performance tests made by ESA, results and conclusions 2−10506
OTS, tests and experiments, conf. London, England, 1981, April 2−8151
OTS depolarisation meas. at 11 and 14 GHz 2−10503
OTS propagation results, impact on ECS system 2−10504
OTS RF classical transmission tests, results and conclusions 2−10505
OTS used to obtain attenuation statistics 2−10502
over-sea line-of-sight radio links, optimum diversity separation for min. fading 2−10981
overwater mm and cm radiowaves, energy spectra charact. of amplitude and arrival angle fluctuations 2−21102
phase cancellation problems in electronic distance measurement, high accuracy surveys appl. 2−26524
plasmapause electron precipitation induced by VLF noise bursts 2−10479
PTT and electromagnetic interference protection 2−25993
radar (5 cm) detection of storms, attenuation problems 2−15686
radar and microwave range-height-angle charts with lookdown capability 2−25927
radio field strength meas. at 900 MHz within a building 2−25965
rain, attenuation coeffs., absorpt. coeffs. and radar refl. factor, depend. on freq. and temp. 2−25959
rain anisotropy prediction 2−10497
rain attenuation, freq. scaling using path-averaged drop size distrib. 2−25947
rain attenuation, long-term statistics analysis 2−25946
rain attenuation measurement using dual-frequency radar 2−21108
rain attenuation statistics, freq. scaling at two freq. 2−25939
rain attenuation statistics of 12 GHz rel. to Japanese satellite broadcasting service *(Japanese)* 2−15702
rain depolarization, short-term statistical vars. analysis 2−25945
rain depolarization and attenuation, joint statistics analysis 2−25944
rain fade duration statistics, anal. of presentation 2−21109
rain-induced attenuation at 36 GHz and 55 GHz 2−25964
raindrop canting angle, mathematical model 2−21094
rainfall attenuation on Earth-space links, prediction 2−10492
rainfall attenuation on microwave links, prediction 2−10491
satellite communication during solar eclipse, Feb. 1980, Bombay 2−6330
satellite communication networks, rain intensity in eight Italian locations, joint statistics 2−26465
satellite link, attenuation due to rainfall and sensitivity to parameters *(French)* 2−10469
satellite link rain attenuation in range 10-100 GHz, Microsoft BASIC program Apple II-Plus computer 2−16416
scintillation of VHF/UHF and L band satellite signals at Guam 2−10495
scintillation spectra of VHF and UHF transionospheric equatorial propagation 2−15707
seawater, surface EM wave propag. in 3.4-5.6 GHz range 2−2152
SHF cloud-produced amplitude scintillation 2−10496
SHF Earth-space path in Kuwait, power spectrum of ionospheric scintillation 2−21107
SHF radioauroral pulsation excitation during substorms assoc. with Pi C 2−6328
short MM-radiowave attenuation in rain expt. and theoretical results for 7.7 km link 2−2149
solar corona and wind anal. from Viking and Mariner 10 radiowave scatt. 2−6322
solar wind magnetic fluctuations and whistler mode waves props. 2−15697
solar wind motion within $30R_\odot$, spacecraft scintillation obs. 2−21085
solar wind plasma inhomogeneities from Venera 9 and 10 radiowave communications 2−15688
statistical EMI theory, experimental study radio transmission in urban areas 2−25961
subsurface radar pulse distortion in complex dielectrics 2−11104
SW radio signal propag. in horizontally homogeneous/inhomogeneous ionospheric layers, dead-zone range, max. usable freq. 2−15711
theory for the amateur radio operator 2−21087
topside ionosphere, HF radio noise from ground-based emitters, DMSP satellite measurements 2−26005
transequatorial VHF propagation paths through discrete plasma bubbles 2−2143
transhorizon propagation phenomena, review 2−10489
troposcatter, propagation characteristics 2−16340
troposcatter digital link performance prediction, multipath dispersion 2−10508
troposphere, excess path length analysis using radiosonde data *(Japanese)* 2−25956
troposphere, normalised equivalent radar refl. for water and ice 2−2144
troposphere, VHF ducting, modal eqn. roots 2−21100
troposphere supernormal UHF and VHF propag. over Bay of Bengal 2−6332

radiowave propagation continued
tropospheric duct attenuation field, refractive index fluctuations effect 2−25950
TV image, propagation, weather effects *(Japanese)* 2−11185
UHF urban propagation expts. for sound broadcasting for mobile reception *(French)* 2−21918
UHF urban radio channel, stochastic model 2−10993
upper atmosphere, rocket effluent effects assessment 2−6329
urban mobile radio propagation at 900 MHz 2−26434
Venus, surface reflection of radio waves, analysis of shape of Doppler spectra 2−21886
VHF and UHF field strength computerised prediction system for grid-coordinated terrain information *(Japanese)* 2−6326
VHF backscatter from sporadic E-layer over Central Europe 2−21091
VHF ground-wave propag. meas. near 30 MHz, 54 MHz and 148 MHz for 42 km and 51 km path lengths, actual losses and predictions 2−2135
VHF ionospheric scintillations obs. at Natal, Brazil 2−10483
VHF radar, specular echoes, Fresnel scattering model 2−26520
VHF radar used to determine troposphere/stratosphere/mesosphere wind and turbulence 2−3598
VHF scintillations due to F-region irregularities during nighttime 2−10484
VHF transionospheric equatorial scintillation rel. to spread F occurrence 2−6325
VHF/UHF computer-based propag. prediction program by Communications Research Centre in Ottawa, overview 2−15689
VHF/UHF propagation parameters, calculation method 2−6323
VHF/UHF signal strength meas., automated logging and analysis system 2−16888
VLF hiss and whistlers, mechanisms, obs. at Srinagar 2−21097
VLF ionosphere propagation, nighttime group delaytime difference, depend. on azimuth, atmospherics anal. 2−21096
VLF noise propagation within plasmasphere extended region 2−15693
VLF propagation and radio noise used to study Forbush decrease effect on ionosphere 2−15685
VLF signals propagation simulator, above and below sea level 2−21110
water vapour absorpt. in EHF window 2−26952
whistlers at low latitude, propag. mechanism, goniometric direction finding obs. 2−10478
whistlers trapping in ducts wit- tapered ends 2−15705

radius measurement *see diameter measurement*

radius of curvature measurement *see curvature measurement*

rail traffic
see also railways; traffic control
Automatic Vehicle Identification transponder using single microwave carrier, MIC realisation 2−21813
electrical equipment technical developments 2−18667
fail-safe speed sensor for London Transport automatic trains 2−12990
maglev transportation systems, high speed, state control of translational movement *(German)* 2−28185
microcomputer-based control of rail vehicles, W.Germany *(German)* 2−28173
SNCF, control of high-speed railway lines 2−26190

railroads *see railways*

railways
see also locomotives; traction
3-phase current technique state-of-the-art survey in Germany and world-wide *(German)* 2−23677
3-phase synchronous and asynchronous drives for German and international railways, state-of-the-art *(German)* 2−18669
50 kV locomotives for a mineral railway 2−4423
AC railway operating thyristor-controlled traction units, meas. and statistical anal. of interference 2−13032
AC traction, disturbance checks by electricity boards 2−13031
active synchronization control system used in DC linear motor 2−12663
Advanced Passenger Train, prototype, reliability monitoring 2−23694
AF rapid transit signalling system, inductive interference due to chopper propulsion control 2−18709
air conditioner for third-rail subways *(Japanese)* 2−4478
APT-P traction power electronic control, design and operation 2−13026
Austrian State Railways power supplies and means of electrical traction, advantages over other forms of land transport *(German)* 2−23676
automated guideway transit system propulsion 2−18706
automatic fare collection system using microprocessor, design 2−18697
automatic train supervision system for Teito Rapid Transit Authority 2−18695
Berlin underground conductor rail installations with Al compound rail tests and efficiency *(German)* 2−28163
block-braked monobloc wheel temp. meas. by jacket thermocouples *(German)* 2−11649
British Rail, automated in-track rail testing development 2−11363
British Rail APT-P project, brake electronics test apparatus and traction electronics ATE 2−18703
British Rail electronic equip. for traction and rolling stock, design, maintenance and repair 2−16911
British Rail Inverness-Wick radio signalling scheme, computerised block instrument control unit 2−13018
British Rail solid state interlocking project 2−13016
British Rail track recording techniques 2−13025
cable telecommunication circuits, noise induced by electronically regulated electronic locomotive *(Italian)* 2−6729
circuit engineering, component parts and construction of information electronics for motor-car trains *(German)* 2−23718
computer-based continuous train control system 2−18699
conference, London, England (Nov.1981) 2−8144
contact force measurement between contact wire and contact strip *(German)* 2−28166
contact network voltage monitoring during faults, use of transducer *(Russian)* 2−26816
contribution to calculations of interference by thyristorised units to cables alongside a railway line 2−8048
controlled rectifier driven asynchronous railway traction motors, computer aided determination of harmonics *(German)* 2−4424
creep-controlled wheelsets for high-speed bogies by using controlled torque transmission between wheels 2−13037
current photovoltaics applications in transport sector 2−12884
data radio systems for railway communication and control 2−16395
DC chopper regulator construction, functions and operation for railway electric drives *(German)* 2−23368
DC locomotives, static logic control using microprocessors 2−13021
railways continued
DC power supply system with inverting substations for traction systems using regenerative brakes 2−28174
DC railway lines energy supply performance *(German)* 2−28164
design for signalling system performance 2−8050
Deutsche Bundesbahn's research and development activities *(German)* 2−23710
developments in rectifier equipment for railway traction substations 2−28000
diesel-electric locomotives, running performance simulation using mathematical models *(German)* 2−13010
drum car for contact line maintenance on new lines and lines to be reconstructed *(German)* 2−18959
East German railway diesel fuel economies from annual extension of electrification *(German)* 2−23679
electric, EM interference problems 2−10530
electric, power systems, energy storage, dumped regenerative power, flywheel appl. *(Japanese)* 2−12994
electric and magnetic levitation suspensions *(Czech)* 2−28160
electric rail vehicles, electronics in brake control 2−13029
electric railcars, type 200, electrical equipment *(Japanese)* 2−4418
electric railway traction vehicles, automatic diagnosis/location of faults in electronic equipment *(French)* 2−23702
electric traction network in Poland, expansion from 1976 to 1980 and future developments *(Polish)* 2−13007
electric trains for Rio de Janeiro in Brazil *(German)* 2−13009
electrical aspects of the new Glasgow Underground 2−4425
electrical energy supply to railways *(French)* 2−23695
electrical equipment technical developments 2−18667
electrical scheme of 81-717 and 81-714 metro coaches, Moscow Metro *(Russian)* 2−28171
electrification improvement programme of New Jersey Transit 2−18684
electrification of railways in developing countries *(German)* 2−13011
electrification systems, classification and history *(Portuguese)* 2−12987
electrified railway from Zagreb to Rijeka in Yugoslavia, power feeding arrangements *(Croatian)* 2−28172
fail safe signalling and electronic systems 2−18693
fail-safe microcomputer systems for railway signalling 2−18694
fail-safe speed sensor for London Transport automatic trains 2−12990
fast measuring with microcomputers for on-line-weighing 2−22414
fault-current wave-transmission and recording equipment for railways *(Japanese)* 2−4422
fibre optic communication systems in Japanese National Railways *(German)* 2−6020
frequency convertor, static, high power, with constant DC voltage intermediate circuit, for electric heating of trains *(Rumanian)* 2−28244
fullness meter for railway appls. 2−11411
Genoa railway district control centre, advanced-computer system for rail automation 2−18701
German Federal Railway, carrier freq. system for data communication *(German)* 2−21710
German Federal Railway, freq. allocation planning for radio systems *(German)* 2−10996
German Federal Railways, approval for appliances apparatus and systems in the field of signals and communications technology *(German)* 2−23952
German Federal Railways, electric operation in 1981 *(German)* 2−28162
German railways, terminal equipment of 60-channel frequency multiplex system *(German)* 2−10902
German Railways 60-channel freq. multiplex system terminal equipment *(German)* 2−16267
guideway-suspension tradeoffs in rail vehicle systems 2−13003
HF insulated railjoint-free track circuit, FME L 20/80 type *(German)* 2−10953
high-speed Paris-South West line, traffic control and points switching centre *(French)* 2−23701
Hong Kong Mass Transit Railway 2−23682
Hong Kong subway telecommunication facilites 2−10790
hot-box detection on new line *(French)* 2−23698
HV AC electrified railway system, harmonic performance 2−13033
improvement of power performance of multirange rectifiers with artificial commutation *(Russian)* 2−23360
impulse and stages by opto-electronic couplers to ignite power thyristors for electric drives *(German)* 2−23687
Indonesian State Railways fuel consumption reduction measures to cope with energy crisis 2−18680
induction motor traction drives, using transistor-invertor system 2−8042
influence of wheel/rail contact geometry on large amplitude wheelset equations of motion 2−13001
intermediate capacity transit system, propulsion and control considerations 2−18707
Japanese railways, power electronics traction systems, interference problems 2−13034
Kowloon-Canton Railway (British section), modernisation and electrification 2−4413
light rail systems for public transport in cities and towns 2−23673
line maintenance planning, allocation and equipment *(French)* 2−23696
London transport's electric power supply distribution network, computerised control 2−13023
London transports centralised public address and integrated communication system 2−13019
maglev test vehicle ML-500 propulsion system 2−4412
magnetic levitation and linear motor propulsion for advanced ground transport 2−18719
magnetic levitation electromagnets, testing at Vitry, in France *(French)* 2−12997
magnetic levitation system ground coils for propulsion and guidance 2−4411
magnetic screening of high speed vehicles with electrodynamic suspension *(Russian)* 2−23683
mainline electrification, costs 2−8049
microcomputer for rail vehicles and ships, Brown Boveri MICAS system *(German)* 2−4403
microcomputer-based control of rail vehicles, W.Germany *(German)* 2−28173
microwave Doppler, radar for meas. of velocity and distance of traction vehicles 2−16502
mining, UHF data communications system for information exchange between surface computers and driverless locomotives 2−16226
MOBILWAAGE, a portable and mobile weighbridge for rail vehicles *(German)* 2−23713

railways continued
model train controller, variable track voltage technique 2−876
model train points changer cct. using diodes, relays 2−14037
motor-car trains of type line 270, electronic equipment for control and regulation *(German)* 2−23686
motor-car trains of type line 270 DC chopper regulator testing engineering *(German)* 2−23369
motor-car trains with thyristor controls, protective device against interference of guarding safety devices *(German)* 2−23688
nondestructive US inspection of rails and switchpoints, survey *(German)* 2−7462
on board testing of electronic equipment 2−16834
overhead contact line/current collector system economically oriented quality criterion *(German)* 2−23712
pantograph overhead contact wires, high frequency vibration study 2−23693
pantograph wave interaction, with connected mechanical supports in railway system trolley waves *(German)* 2−18688
Paris-Lyon passenger line, with speed up to 260 km/h *(German)* 2−12983
Paris-South-East line, electrical installations *(German)* 2−12985
Pendair, cost effective rapid transit system 2−18718
power engineering in rail transport, UK 2−23678
protection devices at Seddin junction station in Germany *(German)* 2−8036
PWM transistor invertor fed linear induction motors for rapid transit vehicle 2−13020
radial and conventional rail vehicle trucks curving performance 2−12999
radiocommunication in Metro de Madrid 2−18691
rail freight car lateral dynamics 2−13000
rail transit, EMC consequences of power electronics appl. 2−13035
rail vehicles dynamic performance improvement through control of linear motors 2−18712
rail wear and service life determ. from material, form and operational data *(German)* 2−7206
railway signalling, microcomputer modules, ATE unit *(German)* 2−22078
railway-substation sequence control system *(Japanese)* 2−4419
rapid transit automation control 2−18705
rapid transit systems, optimisation of chopper equipment for minimising energy consumption 2−13022
rapid transit systems, propulsion system with power electronics, AC- and DC-drives 2−18708
rapid transit systems, rate-coded audio-freq. track ccts. with chopper propulsion drive, compatibility 2−18690
rapid-transit train operation, trends and possibilities *(Hungarian)* 2−18668
regulated motor-car train drives, potential-separating error detector for current and voltage measurement *(German)* 2−23719
remote monitoring and remote control equipment, Stuttgart region (West Germany) *(German)* 2−3091
rolling freight trains load monitoring control station *(German)* 2−23711
safety appliances functional units automatic testing equipment and procedure *(Hungarian)* 2−22074
Sao Paulo State Railway (Fepasa) electrification 2−23703
Series Ge $4/4^{III}$ locomotives of Furka-Oberalp Railway *(German)* 2−18689
series/parallel data transmission for microprocessor control of rail vehicles *(German)* 2−26436
Shinkansen railway, control system for elec. power supply 2−18677
SI measurement system application in Soviet railway transport *(Hungarian)* 2−26705
Signalbox-to-train radiocommunication system used by British Rail 2−2706
signalling, impact of microelectronics 2−13017
signalling, solid-state interlocking using microprocessors, projected development by British Rail 2−18681
signalling control systems, appl. of packet switching techniques 2−18696
signalling equipment power supply voltage and phase-sequence monitors for change-over *(German)* 2−18685
signalling monitoring and control *(French)* 2−23697
slotted waveguide communication systems *(German)* 2−21751
specific functions for selecting optimum linear induction motors for high-speed vehicles *(Russian)* 2−23315
squirrel cage motor traction using a microprocessor controlled transistor inverter 2−13027
stability and curving mechanics of rail vehicles 2−12998
System S2, transmission system for railway network control 2−18698
TDM system for railway communication, rolling stock control appl. 2−21651
telecontrol operator system for railway power networks 2−18702
telephones for railway exchanges *(German)* 2−21669
TGV, increasing speed to 260 km/h 2−18682
TGV, raising speed up to 260 km/h on the newly opened Paris-Sud-Est line in France 2−18683
TGV rolling-stock maintenance *(French)* 2−23700
TGV trains, electrical units concept and charact. *(German)* 2−12984
TGV trains for the new Paris Sud-Est-Line *(German)* 2−13012
thermoelectric refrigeration application for electric powering *(German)* 2−23689
three-phase invertor for rolling-stock air conditioning *(Japanese)* 2−4291
three-winding traction transformer voltage symmetrification *(Russian)* 2−18289
thyristor controlled traction effect on 25 kV 50 Hz electrification systems 2−13030
track maintenance and renewal, computerised and control and planning methods 2−13024
track-machine transmission development *(French)* 2−23699
traction motor and controller for light rail vehicles *(Japanese)* 2−4421
train communications, current and future trends 2−18692
train describer systems and remote control display, system integration 2−18700
urban area rapid mass transit systems, growth in USA 2−8034
urban rail-borne traffic systems design aspects review *(Spanish)* 2−8046
VAL system (Light Automatic Vehicle) for Lille Metro *(French)* 2−8045
vehicle suspensions entering electronic age 2−13028
Vienna underground railway, safety systems 2−8235
wheel speed transducer and slip/slide measuring system 2−16969

rain
attenuation, freq. scaling using path-averaged drop size distrib. 2−25947
attenuation, long-term statistics analysis 2−25946
attenuation measurement using dual-frequency radar 2−21108
attenuation on Earth-space links, prediction 2−10492

rain continued
attenuation on microwave links, prediction 2−10491
attenuation statistics, freq. scaling at two freq. 2−25939
centimetre and millimetre wave scattering due to rain and hail, summary of studies 2−10468
cross polarisation on microwave links during precipitation, review 2−10493
depolarization, short-term statistical vars. analysis 2−25945
depolarization and attenuation, joint statistics analysis 2−25944
droplet spectra, microwave radar charact. 2−25959
dual-polarization radar, appl. to rainfall distrib. meas. 2−22722
effective polarisation parameters of rain from orthogonal linearly-polarised transmissions, meas. theory 2−10472
EM wave attenuation, anisotropy prediction 2−10497
fall-rate, influence of the integration time and the height of rain-gauge on rainfall rate statistics 2−24100
IR and visible radiation propag. in rain and snow 2−25967
Japan's communication satellite, propagation experiments *(Japanese)* 2−15710
laser disdrometer for near-field raindrop meas. 2−27268
laser rain gauge, detect. of raindrop induced scintillations 2−3599
microwave attenuation by rain rel. to star network design *(Hungarian)* 2−10475
microwave link, rain attenuation meas. over New Delhi with radiometer at 11 GHz 2−10476
microwave links, tropospherically-conditioned availability, prediction *(German)* 2−26421
microwaves absorption by cloud and rain, computation method 2−3601
OTS beacon meas., correlation with radiometer and rainfall data 2−11050
radiowave attenuation statistics at 12 GHz rel. to Japanese satellite broadcasting service *(Japanese)* 2−15702
radiowave propag. canting angle, mathematical model 2−21094
radiowave propagation, computed transmission through rain in 1 to 400 GHz range 2−10466
radiowave propagation, rain fade duration statistics, anal. of presentation 2−21109
rain-induced attenuation at 36 GHz and 55 GHz 2−25964
satellite communication networks, rain intensity in eight Italian locations, joint statistics 2−26465
satellite link, attenuation due to rainfall and sensitivity to parameters *(French)* 2−10469
satellite link at Ka-band, adaptive rain fade compensation 2−11028
satellite link rain attenuation in range 10-100 GHz, Microsoft BASIC program Apple II-Plus computer 2−16416
short MM-radiowave attenuation in rain expt. and theoretical results for 7.7 km link 2−2149
thunderstorms, relation of satellite-based intensity to radar-estimated rainfall 2−7434
tropical rain intensity statistics and microwave radio link implications 2−25962

rainfall *see rain*

RAM *see random-access storage*

Raman effect *see Raman spectra*

Raman-induced Kerr effect *see optical Kerr effect*

Raman lasers
autosynchronized pulse generation at multiple wavelengths 2−15434
backward-wave Raman pulse compression, KrF laser intensification for laser fusion appl. 2−10227
Cherenkov Raman free electron lasers, theoretical and expt. performance 2−25663
far IR lasers, high power, freq. tuning and efficiency enhancement 2−25725
fluoromethane, $^{12}CH_3F$ and $^{13}CH_3F$, far IR Raman laser with high intensity laser pumping 2−6147
light-guide laser, ultrashort pulse generation 2−15496
methane, backward wave Raman pulse compression of KrF laser, laser fusion appls. 2−6164
MM-wave Raman free electron laser experiment 2−25661
molecular gas far IR Raman laser with high intensity laser pumping 2−6147
nonlinear-optical frequency conversion, present state of research and development 2−20947
resonance and preresonance conditions, stimulated Raman scatt. spectra 2−1999
GaP semiconductor Raman laser for far IR generation 2−20875
InSb, spin-flip Raman gain, effective g-value and radiation absorption under transient elec. field conditions 2−6261
NH_3 12-μm Raman laser pumped by low power CO_2 laser pulse 2−1904
$^{14}NH_3$, far IR CW Raman and laser gain 2−10208

Raman scattering *see Raman spectra*

Raman spectra
see also molecular rotation; molecular vibration; Raman spectra of inorganic solids; Raman spectroscopy; stimulated Raman scattering
No entries

Raman spectra of inorganic solids
amorphous semiconductors, pressure-induced effects and phase transitions 2−25026
III-V semiconductor, elemental group V deposits in native oxides, surface refl. Raman scatt. detection 2−9580
optical fibres, Raman scattering, dopants and irrad. effects 2−10013
semiconductor, optical nonlinearity and bistability due to biexciton form. 2−25840
semiconductor characterisation by Raman scatt. 2−9396
zinc-blende cryst., Raman coeff., first order, related to optical props. 2−10343
$BeSO_4.4H_2O$, electro-optical effect, Raman scatt. and SHG 2−2025
CdS, biexciton states, real and virtual, Raman, fluoresc. and radiative recomb. spectroscopy 2−24972
GaAs, ion implanted, Raman scatt. characteris. of changes induced by encapsulation and thermal annealing 2−9433
n-GaAs, Raman scatt. from ion implanted carriers 2−24987
GeO_2-B_2O_3-SiO_2 glass fibre optic preforms, nondestructive conc. profiling by Raman spectra anal. 2−1700
InSb, spin-flip Raman gain, effective g-value and radiation absorption under transient elec. field conditions 2−6261
Si, ion implanted, laser annealing, time-resolved Raman scatt. and transmission meas. 2−25126

Raman spectra of inorganic solids continued
Si:H, crystalline, reactive sputtering fabrication, struct. study by X-ray diffr. and optical spectra 2−607
Si:H amorphous, interface with noble metals, struct. and elec. props. 2−20137
SiO_2 optical fibres, GeO_2 doped, OH overtone vibr., Raman spectra 2−25518
ZnSe, metalorganic chemical VPE growth, photoluminesc. and Raman scatt. obs. 2−19412

Raman spectroscopy
see also Raman lasers; Raman spectra
atmospheric gas remote meas., laser appl., Raman reson. diffusion method *(French)* 2−22750
combusting media, using 5 J 1.8 μsec pulse 10 pps dye laser 2−15478
combustion diagnostics, by spatially precise laser techniques 2−10407
combustion processes, single-shot Raman spectroscopy using freq. doubled Nd:YAG/glass laser 2−6200
pulsed dye laser Raman spectrometer employing a new type of gated analogue detection 2−15583
semiconductor technology, optical characterisation techniques, conf., San Jose, USA (Apr. 1981) 2−8136

ramp generators
oscillator with linearly ramped frequency control and repeat facility 2−5139
proportional voltage control 2−14008

random-access storage
1K RAM, in LSI packaging that passes PIND test 2−25296
16K, dynamic memory array card burn in and high speed functional card testing 2−19693
16K dynamic RAM type MCM4116 for MC68000 microprocessors *(German)* 2−24505
64K bit dynamic RAM, memory cell and sense-refresh amplifier *(German)* 2−19656
64K dynamic RAM reliability, test procedures 2−14121
64K RAM, MOS technology 2−24537
64K RAM, plasma etching device 2−5781
64K RAMs, mass production using electron beam lithography 2−20338
64K single board TM20000 and TMM40010 dynamic RAMS 2−24542
64K-bit dynamic MOS RAM *(Japanese)* 2−9099
256 kbit MOS design, fault tolerant, 120 ns access time, 190 mW power dissipation *(Japanese)* 2−24509
256K MOS RAM, dry etching technology for 1 micron VLSI fabrication 2−9571
256K MOS RAM, variable-shaped electron-beam direct writing technology for 1 micron VLSI fabrication 2−9731
advances in RAMs, EEPROMs, IV PROMs; and bipolar PROMs 2−14095
ATE calibration check using test reference module and selected test patterns 2−7009
biasdrivers, for high-speed logic and memory circuits 2−19549
bipolar, improved twin dummy cell for half-charge generation 2−5230
bipolar, prediction model in high energy ion/proton environment 2−14104
bit current steering network 2−5231
CAD, macro system, optimized X and Y dimensions for improved performance and chip area utilization 2−5162
CMOS, double lambda diode based (DOL CMOS) static memory cell design 2−24522
CMOS 4K static RAM fabrication using retrograde p-well 2−1449
CMOS 64K dynamic RAM market trend 2−24541
CMOS RAM, soft error susceptibility, depend. on power supply voltage 2−14108
CMOS RAM, viewed with respect to NMOS technology 2−19677
CMOS RAM cosmic-ray-induced error rate anal. 2−14105
CMOS RAM using analog components, 4K, operation and layout *(French, German)* 2−24506
CMOS SOS single bit RAM cell fabrication using ion implantation 2−1456
CMOS static RAMs fabrication using radiation hardened technology 2−14999
cMOS stores with battery-buffering *(German)* 2−19653
CMOS/SOS 18 ns 4K static RAM design and fabrication 2−24521
CMOS/SOS memory, exposure dose rate depend. 2−14111
CMOS/SOS RAMs, fault tolerant, associative iterative circuit control 2−19679
comparison of main types of integrated memory stores *(French)* 2−19672
complementary dynamic memory cell 2−9734
computer memories, using high speed bipolar RAMs, PROMs 2−14120
CRT video display, using transparent memory addressing 2−16859
DEC system market forecast 2−24539
digital image processing system performance 2−7056
direct-access storage device arm buffers 2−15008
DP8400, memory system support chip family, including error checking and correcting 2−19657
drift chambers, multiple time digitizers and trigger system 2−3389
dynamic MOS RAM, 256K, 100 ns, using polySi and Mo gates technology 2−19678
dynamic MOS RAM, holding time degradation by injection-induced electron currents 2−19663
dynamic RAM, 64K, fully boosted with automatic and self-refresh, fabrication using double poly Si process 2−24526
dynamic RAM, 64K, yield improvement with laser programmed redundancy 2−24528
dynamic RAM, bit line precharging circuit 2−14115
dynamic RAM, single event upsets study in microcircuits using ion microbeam 2−14109
dynamic RAM access time minimization 2−24535
dynamic RAM cell, 34 μm^2, fabricated using 1 μm single level polycide FET technology 2−24527
dynamic RAM functionality, 64K and 16K types, simple tester 2−14101
dynamic RAMs, 16k and 64k, Hitachi reliability studies 2−9095
dynamic semicond. memories 16K RAM, α-particle sensitivity reduction by neutron irradiation 2−14106
dynamic/static RAM, using Intel iQX module, APX microprocessor *(French)* 2−9096
ECL 1 k RAM fabrication using high speed bipolar LSI technology (SST) *(Japanese)* 2−25331
ECL RAM, 3 ns, 1 kbit, fabrication using super self-aligned process technology 2−24516
fabrication, lightly doped drain SiO_2 spacer formation controllability improvement 2−5819

random-access storage continued
fault tolerant memories for single particle radiation effects 2−14107
Harper cell array matrix, cascode current sensing amplifier cct., constant voltage design 2−807
Hi-CMOS II static RAM technology, 2 μm process, double level polySi structs. 2−19681
Hi-CMOSII high speed 4K static RAM design 2−24520
high capacity and high performance systems appls. 2−5237
high-speed LSI logic and memories, modern bipolar technology 2−14980
HMOS-CMOS low power high performance technology, appl. to 4K static RAM 2−25351
I^2L/MTL high-speed split-emitter memory cell fabrication 2−24517
IBM computer monolithic RAM/high-performance logic IC fabrication, custom patterning on masterslice using electron beam lithography 2−14045
IDT 6116 RAM using CMOS technology 2−5216
IK RAM package, SEM/EDAX and optical microscopy analysis of particle impact noise detection (PIND) test failures 2−14945
Inmos's IMS 1400 16 k×1 static RAM, technology, charact. 2−14118
integrated storage subsystem, overlapping data streaming and concurrent read/write references 2−14114
Intel 8202 dynamic RAM controller for addressing 16 Kbytes memory 2−14113
Josephson interferometer RAM cell, nondestructive read-out single flux quantum 2−20560
memory boards and systems trends 2−24540
microcompiler expansion system, using 32K RAM 2−19711
microcomputer RAM maintenance cct., using Ni-Cd cell *(French)* 2−13947
MNOS nonvolatile memory technology at Sandia National Labs., USA, EAROM, RAM and EEPROM appls. 2−15035
monolithic ICs redundancy-oriented design *(German)* 2−9129
MOS 4K×8 dynamic RAM with on-chip self-refresh 2−24524
MOS 64K×1 bit fully static RAM design and fabrication in 16 pin DIP 2−24525
MOS dynamic RAM, buried oxide, experimental study 2−1451
MOS dynamic RAM, soft error 2−9100
MOS LSI technology, 256K RAM development *(Japanese)* 2−25346
MOS memories, soft upsets study using ion microbeam 2−24507
MOS RAM, 256 kbit, using Si wafers, O impurity influence *(Japanese)* 2−9737
MOS RAM, dynamic, refresh time degradation by irradiation of alpha particles 2−1452
MOS static RAM, 4K×1, enhanced performance, use of optically-defined submicron devices 2−19686
MOS VLSI static RAM cell, polySi-resistor scaling rel. to performance 2−19683
Mosteks 'Byte wyde' memory family 2−14099
Motorola 64K RAM, design and development 2−19673
multi-microprocessing system, multiple memory accesses 2−24553
N-well CMOS RAM for high density dynamic memory appls. 2−19687
NMOS 20 ns low power 1K×4 static RAM design and fabrication 2−14103
NMOS 30 ns 16K×1 fully static RAM fabrication 2−24519
NMOS dynamic RAM in plastic packages, reliability evaluation in high humidity and temp. environments 2−25356
NMOS fault-tolerant 30 ns/375 mW 16K×1 static RAM fabrication 2−24518
NMOS high speed 16k×1 static RAM 2−5181
NMOS RAM, voltage breakdown characteristics compared with accelerated life tests and field use data 2−15026
no-device RAM cell with gated p-n junction 2−5223
noise spectral intensity meas. in sampled-data systems, correlation method appl. 2−16912
non-volatile RAMs using RAM and E^2PROM, TTL signal for data transfer control *(French)* 2−24515
portable tester for 16K, 64K dynamic RAMs 2−26803
production testing, Megatest Q2/40 system for dynamic memories 2−22077
quadruply self-assigned stacked high-capacitance RAM using Ta_2O_5 high-density VLSI dynamic memory 2−24529
quasistatic RAM based on depletion-load double-poly n-canal Si-gate technology, 4K×8 *(German)* 2−19658
reactive ion etching used for VLSI RAMs 2−20339
read/write control circuit reference voltage generator for memory cell array 2−806
redundancy in 64-K RAM *(German)* 2−5220
semiconductor and bubble memories, handbook 2−23882
semiconductor memories, book 2−23876
semiconductor memory devices, development technology 2−14119
semiconductor memory technology developments 2−5218
semiconductor memory testing diagnostics and anal. 2−19691
SOS/CMOS deep depletion technology for fabrication of 4K static RAM *(French)* 2−14126
static, on-chip array stabilisation 2−5815
static, use of silicone room temperature vulcanising rubber for alpha particle protection 2−14936
static 16K-bit INMOS RAM, appl. *(German)* 2−24503
static and dynamic RAM products 2−24538
static pinch resistor RAM cell, standby offset voltage maintenance by constant current source 2−19670
static RAM cell with selected barrier height Schottky diodes 2−5172
Taper Isolated dynamic RAM cell as memory element in sub-hundred nanosecond dRAM 2−19685
test procedure for functional faults, march tests 2−19666
test programs for microcomputer systems *(Croatian)* 2−24544
testing RAM for pattern sensitive faults, graph model 2−19665
testing repairable RAMs and mostly good memories 2−19690
TMS2149, scaled NMOS static RAM 2−14097
tri-state read/write control circuit for driving of sense amplifier in Harper cell array matrix 2−5232
VLSI dynamic RAMs, alpha-particle effects, simulation models, collected charge in 1 μm devices 2−19682
VLSI dynamic RAMs, open data/folded data line cell struct., stacked capacitor N-well P-MOS cell structs. 2−19684
VLSI dynamic RAMs electron-beam testing 2−19692
VLSI FET memories, dynamic RAM cell with readout gain, high α-particle immunity 2−14116
volatile RAM, lithium cells for standby power supply 2−4327
VSLI memory technology advancement, effects of 64 kb RAM development 2−1403

random-access storage continued
Xicor's nonvolatile 4-bit RAM family 2−14100
GaAs JFET static RAM design 2−14130
GaAs MESFET high speed static RAM technology and design 2−14131

random functions
see also random processes
iterated logarithm for Lipschitz random variables, appl. to empirical charact. function *(French)* 2−4764
linear theory 2−8576
multiple Wiener-Ito integrals. With applications to limit theorems in random variables problems, book 2−8428
nonlinear programming problem, with random parameter, solvability *(Russian)* 2−19266
nonlinear resonance system, parametrically excited by random force, statistical characts. 2−19102
signal theory applications *(French)* 2−21354
sonobuoy array statistical props. and beam patterns 2−27310
stable random functions with irregular paths *(French)* 2−8464
window method approximation 2−8577

random noise
see also thermal noise
1/f, effect on EM meas. assessment using model 2−16753
1/f noise theory, new unified formulation for generation-recombination 2−20053
asymptotic memoryless detection of random signals in dependent noise 2−6443
bipolar transistors, low energy electron beam investigation of burst noise, SEM correl. with dislocations 2−25214
birdie noise cancelling in FM stereo decoding IC 2−2893
cathode, shot noise reduction by influence of space charge 2−9351
Chernoff bounds for PAM system with noise and interference 2−21266
classical noise and non-linearity in physical devices, quasi-exact solutions 2−25171
classification of noise phenomena 2−25169
coherent PSK and DPSK systems performance in impulsive and Gaussian noise environment 2−26137
communication channel noise immunity, effect of reference channel nonlinearity 2−15809
CPSK signals fading, in Gaussian and impulsive atmospheric noise environment, error probability 2−6429
cross-correlator for signal detection/estimation in noise, optimum and sub-optimum filters, comparison 2−2343
digital FM transmission system, performance characts. 2−21431
digital land mobile radio channel, burst error characts. 2−10994
electrochemical cells, metal/electrolyte interface, noise source isolation 2−18407
elemental semiconductors, mobility fluctuation 1/f noise, elec. field depend. 2−1163
equilibrium resistance fluctuations 2−962
equivalent noise spectral bandwidth and correlation duration, uncertainty relation 2−2344
gate-controlled implanted resistor, 1/f noise 2−14870
Gaussian interference channel capacity for two separate messages, strong interference 2−10608
Gaussian noise, envelope-detected amplitude-shift keying, decision level extraction 2−15813
Gaussian noise, shift keying systems 2−15815
Gaussian process, level-crossing interval lengths distrib. density 2−24130
IMPATT diodes, GaAs and Si, intrinsic noise study 2−1340
input amplifiers for sensors, noise characts. *(German)* 2−5130
interferometry, very-long-baseline geodetic appl., coherence limits 2−17561
IR heterodyne-reception radar, imaging and target detect. 2−2832
Josephson junction mixer without matching devices in the 8 mm band, noise *(Chinese)* 2−9220
LF noise in semiconductor devices, degradation mechanisms in p-n junctions, thermodynamic approach 2−1327
LF noise in semiconductor devices, deterioration process rel. to noise generation mechanism, thermodynamic approach 2−1328
metal-oxide-metal diode noise, quantum correction meas. at zero bias 2−25241
MOM diode, heterodyne anal. 2−9519
MOSFET, effects of scaling on 1/f noise 2−9669
MOSFET 1/f noise due stochastic generation-recombination of carriers via fast surface states 2−25273
nature of 1/f noise, spectrum analyser instrumental function *(Russian)* 2−7204
noisy linear two-ports, anal. using scattering waves 2−5121
nonlinear wideband satellite links, noise characterisation in simulation 2−16447
p^+-n-p transitor, discrimination between 1/*f* noise sources 2−25212
p-n junction diodes, burst noise, expt. studies 2−25203
PAM, pre- and post-filtering of deviational noise *(Russian)* 2−2243
passive ring resonator method for sensitive inertial rot. meas. in geophysics and relativity 2−17135
PCM codec+filters using noise shaping and digital filters 2−21303
phase fluctuations resulting from inherent parametric noise, in freq. multipliers using stored charge diodes *(Russian)* 2−24639
photodiode, p-i-n, characts. and operation *(German)* 2−13980
probabilistic voltage-to-code converter 2−9194
pseudo noise acquisition algorithms, variable and fixed dwell-time, comparison 2−2362
pulse noise, normalisation at output of narrow-band linear systems 2−24119
pyroelectric detector, adiabatic versus isothermal mode of operation rel. to noise behaviour 2−15100
quantum noise effects at 100 GHz in MOM diodes and Josephson functions, meas. and theory 2−24722
RF SQUIDs, dynamic and fluctuational parameters 2−1624
Schottky-barrier diodes, burst noise, expt. studies 2−25203
SCL solid state diodes, noise, current depend. 2−9607
sigma-delta modulation, quantization noise struct. 2−2246
signal-pulse-noise detection error evaluation in envelope detector with logarithmic compression 2−15840
speech signal detection in the presence of RC Gaussian noise *(Croatian)* 2−10665
staggered quadrature overlapped raised-cosine modulation performance over nonlinear satellite channels 2−2751
superstatistical emission noise 2−14565
suppression by median filters 2−2339

random noise continued
thermal activation model for noise in the DC SQUID 2−1615
thick film resistors, EMCA 5500 series, rel. between current noise and conductivity 2−9330
varistors, 1/f noise expt. investigation 2−963
weak signal detection in non-Gaussian noise zero-memory nonlinearity prior to matched filter 2−10689
Au-InP Schottky diodes, heat treatment effects on noise spectrum 2−9613
GaAs MESFET, ion implanted, excess 1/f noise depend. on gate leakage current 2−9670
Ge avalanche photodiodes, dark current noise characts. and their temp. depend. 2−1800
InSb, conductivity fluctuations in crossed elec. and mag. fields 2−5564
n-InSb-metal contacts, asymmetric current effects of 1/f noise with appl. mag. field 2−5624
$Pb_3Rh_7O_{15}$ thick film resistor, cond. mech. and 1/f noise 2−958
$Pb_2Ru_2O_7$ thick film resistor, cond. mech. and 1/f noise 2−958
Si, 1/f noise of thermal and hot charge carriers 2−14623
Si particle detectors, background noise caused by sea level cosmic rays 2−27031
SiC varistors, 1/f noise expt. investigation 2−963

random number generation
Pools/Lotto selector, using CMOS ICs 2−9161
pseudo-random byte generator 2−5190
random-time pulse generation having Poisson distribution *(Japanese)* 2−14023

random processes
see also Brownian motion; fluctuations; Markov processes; probability; queueing theory; stochastic processes
θ-stationary point processes and their second-order analysis 2−24107
adaptive discrete representation of messages, comparative anal. of informational efficiency of two algorithms *(Russian)* 2−21338
asymptotic memoryless detection of random signals in dependent noise 2−6443
atmospheric VLF interference, fluctuation and pulse components intensities relationship calc. 2−2166
biomedical variables, statistical properties 2−17342
bounded density for additive functionals 2−4817
brannching processes, Fibonacci or lagged Bienayme-Galton-Watson proceses 2−8526
convergence in topological spaces 2−24123
convergence rate in the strong law of large numbers 2−24125
convolutions of distributions 2−24127
correlation coefficients of envelope and logarithm of a random process 2−15811
curtailed tests, sample size 2−8511
diluted network, percolation and conduction 2−681
discontinuous, analysis of Markov models 2−188
drift parameter estimation for the unobservable component in random processes 2−19137
elliptically symmetric and related processes, general properties 2−13480
fibre systems intersections with stationary planar fibre processes 2−280
fractal random walks, Weierstrass function 2−24129
Gaussian process, level-crossing interval lengths distrib. density 2−24130
instrumental analysis of periodically nonstationary random processes 2−16761
lattice processes sample correlation variance 2−24111
laws of large numbers by descending submartingales *(French)* 2−4765
limit theorems for a critical Galton-Watson branching process with migration 2−4818
lines, distrib. 2−8528
local stochastic processes, random paths and random surfaces on digital computer 2−13433
Markovian renewal process, dynamically optimised replacement 2−8530
martingale method in study of extremes *(French)* 2−24099
multichannel parallel correlometer with fast serial readout 2−11408
multidimensional Poisson cluster processes props. 2−24108
multiple ARMA processes, shifted 2−278
multivariate stationary processes, extrapolation improvement 2−472
nonlinear conversion of random telegrapy signals 2−2237
objective empirical distrib. function, error formulae 2−19119
on covariance coefficients estimates/ of finite order moving average processes/ 2−269
optimal control of random evolutions 2−13490
optimal nonlinear one-step predictors 2−15884
PAM, pre- and post-filtering of deviational noise *(Russian)* 2−2243
particle size distrib., moment inequalities of the Liapunov type 2−8556
Poisson random walk, Bernoulli shift 2−4780
power spectrum of the quasiperiodic and the aperiodic group pulse process 2−8557
random exchanges of information on telephones 2−8538
random pulse processes, correlation props. *(Russian)* 2−21347
random search techniques for hydropower planning 2−7751
regenerative processes convergence and stability 2−295
reliability theory, negative exponential distrib. characterisation 2−8531
sampling theorem for random processes and fields 2−21353
semiconductors, amorphous, cond., drift and diffusion 2−5584
semimartingales, central limit theorem 2−24124
sequential point estimation of the means of U-statistics in finite population sampling 2−8513
spherically symmetric sample, convex hull 2−24095
stationary nonergodic source coding, simultaneous optimal coding of independent and identical sources 2−6412
stationary processes, weakly minimax universal codes, total boundedness 2−10629
stationary random sequences, covariance estimates, asymptotic distribution 2−279
stationary with lognormal probability densities, synthesis of an algorithm to discriminate between two processes 2−6451
statistical physics, configuration states lifetimes 2−24092
steady-state signals sampling, meas. errors *(German)* 2−10611
stochastic optimisation, multistep procedures 2−24190
stochastically monotone sequences of random variables, convergence and appls. 2−8527
stopping variable probability distrib., one-sided CUSUM procedures for non-negative integer valued random variables 2−8515
summability of sequences of random variables 2−19124
superposed filtered renewal process, waveform estimation 2−21358
time-dependent dissipative steady states, fluctuations and transition rates, hysteretic Josephson junction appl. 2−25458

random processes continued
transitional data with amplitude probability density distribution, meas. and control method 2−22209
transmission line modelling, resistive meshes solution 2−2171
unified model for non-stationary and/or non-Gaussian random processes 2−24102
vibration testing using random-process digital simulator 2−16802
walks on the half axis 2−24122
weak association 2−8553
weakly minimax on universal coding for classes of composite and remote sources with memory 2−10630
range finding *see distance measurement*
ranging, laser *see optical radar*
ranging (sonar) *see sonar*
rapid transit systems
AC- and DC-drives, propulsion system with power electronics 2−18708
AF rapid transit signalling system, inductive interference due to chopper propulsion control 2−18709
automated guideway transit system propulsion 2−18706
automatic train supervision system for Teito Rapid Transit Authority 2−18695
Berlin underground conductor rail installations with Al compound rail tests and efficiency *(German)* 2−28163
chopper equipment optimisation for minimising energy consumption 2−13022
dynamic behaviour of controlled permanent lift magnets *(German)* 2−23681
electric bus propulsion with a high-capacity composite flywheel 2−18710
energy optimization in rapid transit system employing double switching operation mode 2−12986
inductive roadway power systems for dual mode transit 2−18727
intermediate capacity transit system, propulsion and control considerations 2−18707
Kobe New Transit system in Japan, power cables and trolley wire installation *(Japanese)* 2−12982
maglev transportation systems, high speed, state control of translational movement *(German)* 2−28185
magnetic levitation, theory, results and further practical problems 2−28178
magnetic levitation high speed transport systems, electromagnet control 2−28181
magnetic levitation passenger transport systems vehicle dynamics and optimisation 2−28182
magnetic levitation transport rolling stock dynamics and stabilisation 2−28179
magnetically-levitated, repulsive-type, anal. of ride quality 2−8035
Munich underground electric multiple units, design and output *(German)* 2−18670
PATCO transit cars, automation control 2−18705
Pendair, cost effective rapid transit system 2−18718
Pendair low cost system charcts. 2−18679
PWM transistor invertor fed linear induction motors for rapid transit vehicle 2−13020
rail transit, EMC consequences of power electronics appl. 2−13035
rate-coded audio-freq. track ccts. with chopper propulsion drive, compatibility 2−18690
trends and possibilities *(Hungarian)* 2−18668
urban rail-borne traffic systems design aspects review *(Spanish)* 2−8046
vehicle with electromagnetic suspension, mathematical model 2−28180
ray tracing, optical *see geometrical optics*
Rayleigh-Benard instability *see flow instability*
Rayleigh law *see Rayleigh scattering*
Rayleigh scattering
combustion diagnostics, by spatially precise laser techniques 2−10407
EM wave Rayleigh scattering and power conservation 2−2110
fibre characterisation by back-reflected light measurement *(Norwegian)* 2−25506
multimode optical fibres, backscattered power level variation with numerical aperture 2−25501
optical fibre gyro, backscatt. error reduction 2−1735
single-mode fibres, meas. of backscatter factor 2−20633
wave-front reconstruction of picosecond pulses by stimulated Raman and Rayleigh-wing scatt. 2−10363
ZrF_4 based glass, dispersive and scattering props. 2−20612
Rayleigh-Taylor instability *see flow instability*
Rayleigh waves
see also surface acoustic waves
propagation in piezoelec.-semicond. system, transverse elec. field effect 2−1505
reciprocal transformation of volume and SAW on periodically perturbed surface, review 2−1546
ZnO, for thin film SAW filter *(Japanese)* 2−9844
ZnO-Si SAW device, Sezawa to Rayleigh mode conversion 2−1532
reactance, electric *see electric reactance*
reactive power
see also power factor correction
13.8 kV bidirectional 1200 A light-fired thyristor switch VAR generator 2−23376
automatic compensation equipment for steel mill drive instabilities 2−18626
AVRs of generators of production and transmission networks, voltage compound and reference values coordination 2−3715
characteristics of an asynchronized synchronous generator 2−27891
choice of analytical and modelling methods for reactive compensation equipment 2−12293
compensation, energy conservation aspects *(Polish)* 2−7502
compensation by LP 2−17626
compensation for energy savings, compensating capacitors charcts; construction and manufacture review *(German)* 2−3673
complex electric networks, time factor allowance of reactive load compensation *(Russian)* 2−17632
definitions of power, for currents and voltages with harmonics *(German)* 2−26931
developments in optimal power flow 2−27392
dispatching, minimum MVAR generation criterion 2−3710
distribution network primary feeders, variable source of reactive power, performance anal. 2−12242
distribution networks, power factor correction systems, cost effectiveness *(Russian)* 2−7538
reactive power continued
distribution system integrated voltage and reactive power control 2−27479
efficient constrained power flow technique based on active-reactive decoupling and the use of linear programming 2−22881
electric grids of energetic systems, centralised control of voltage and reactive power *(Russian)* 2−3698
electronic reactive power compensator 2−27416
HVAC long distance power transmission with reversible static compensators 2−12231
HVDC transmission systems, DC filter ccts. performance and rating 2−7526
linear and nonlinear ccts. *(Russian)* 2−3730
load var fluctuation predictive compensation based on linear prediction filter theory 2−7491
Lotru-Ciunget hydroelectric power station, reactive power consumption *(Rumanian)* 2−27781
mathematical model and method of reactive power optimisation in an electricity network *(French)* 2−22797
new static VAR control using force commutated inverters/ 2−4283
optimal power flow based upon P-Q decomposition 2−27391
power system, reactive power considerations in automatic contingency selection 2−22834
power system active power losses reduction using power capacitors impregnated with new non-chlorinated compounds for increased kVA ratings, high reliability and active losses reduction 2−27412
power system dynamic response with limited variations in voltage and frequency, modeling procedure 2−12176
power system emergency control techniques, development trends review 2−27395
power system reactive power control systems, problems, modelling and simulation techniques 2−27398
Rumanian power system development, reactive power and voltage planning 2−27422
secondary reactive power-voltage control in a hierarchical control scheme *(German)* 2−7470
security assessment, appl. of external equivalents in machine outages case 2−7507
static compensation, energy saving in distribution networks *(Spanish)* 2−22911
static compensator use to control voltage level and balance on ESCOM system 2−4321
static reactive power sources in electrical systems 2−12166
static Var control equipment development for steel industry 2−18800
synchronous motors, reactive power regulation *(Russian)* 2−18180
systems supplying large nonlinear loads, reactive power compensation, soln. 2−3678
three phase power meas., accuracy 2−3807
thyristor reactive power compensator, for fast-varying industrial loads 2−28023
thyristor-fed reversible DC drives, active and reactive energy balancing methods *(Polish)* 2−12972
voltampere reactive compensation using chance-constrained programming 2−22846
reactive sputtering
ion etched vias, reliablity control method 2−13836
magnetron sputtering techniques, high deposition rate of piezoelectric films 2−19452
multilayer resist technique, lift-off of thick metal layers 2−25318
solid electrolyte coatings for electrochemical devices 2−18416
triode-type reactive ion etching system, damage-free dry etching 2−9568
$Al_xIn_{1-x}N$ thin films, RF sputtering deposition 2−19447
γ-Fe_2O_3 thin film mag. discs prepared by reactive sputtering, effects of substrate revolution 2−9880
InP-$In_{2-x}Sn_xO_{3-y}$ solar cell fabrication, appl. of RF and ion-beam sputtering 2−23594
Se-CdO photovoltaic cell fabrication by reactive sputtering 2−18490
Si, double-poly, MOSFET devices, Z 2−25360
Si wafer, reactive sputter etching characteristics of wafer with CF_4 and O_2 mixed gas 2−14778
Si:H, crystalline, reactive sputtering fabrication, struct. study by X-ray diffr. and optical spectra 2−607
TiN, high-rate cathode sputtering technology machine tools and jewelry coatings appl. 2−19435
reactive typewriters *see typewriters*
reactive voltamperes *see reactive power*
reactively sputtered coatings
piezoelectric films, high rate deposition using new magnetron sputtering techniques 2−19452
AlN on Si SAW devices 2−15090
GaN film, RF reactively sputtered, dielec. props. 2−9757
Si:H, amorphous, reactively sputtered, solar cell, electron-hole recombination 2−23417
Si-Cr sputtered films, comp. control to control temp. coeff. of resist. 2−24321
n-Si-TiN contact, elec. charcts. 2−14711
Ta-N and Ta-Al-N sputtered films, fabrication and elec. props., R-C component appl. 2−24829
TiN, high-rate cathode sputtering technology machine tools and jewelry coatings appl. 2−19435
ZnS film, electron microscope and Rutherford backscatt. obs. 2−608
reactors (electric)
see also capacitors; current limiting reactors; inductors; saturable core reactors
6 kV mains supply, compensation of capacitive short cct. currents, reactor design *(Russian)* 2−3785
CAD, universal interactive program 2−972
DC to DC convertors, single-winng const. on-time and const. off-time, discontinuous mode operation, reactor design 2−28025
EHV transmission line containing controlled reactors, transient stability limit 2−3688
EHV transmission system containing controlled reactors, transient stability limits 2−3689
large filter reactor controlled by transverse magnetic bias, design and charcts. 2−7898
open-care-type, magnetic field distribution calc. using demagnetising factor method 2−7895
shunt reactors with distributed air-gaps, influence of dimensional parameters on design, application in powe- r system compensation *(Spanish)* 2−7897

reactors (electric) continued
shunt-connected reactors and capacitors controlled by thyristors 2—12698
three-phase shunt reactors for 250 MVAr at 420 kV 2—7899

reactors (nuclear) *see fission reactors*

Read diodes *see IMPATT diodes*

read-only storage
bank speed increase, using series/parallel conversion *(Italian)* 2—19659
bipolar PROM with reprogramming capability 2—24531
chip-select address decode circuit, programmable 2—24534
CMOS high density ROM for hand language translator 2—19671
CMOS ROM, fully-static high-speed design, 32K×8, appls. 2—19688
content-addressable memory requirements for multivalued logic 2—15850
current-biased array sense circuit, bleeding current path provision 2—5233
digital multifrequency receiver using FIR quadrature filters with window functions 2—6699
electrically alterable, degradation by charge trapping 2—24536
electrically alterable memory device, buried-gate struct. folding for area-saving vertical geometric feature 2—19667
electrically alterable ROM arrays using dual electron injector structure charge injectors 2—9098
high flexibility programmable raster for video displays 2—6922
integrated storage subsystem, overlapping data streaming and concurrent read/write references 2—14114
Josephson ROM, high density 2—9097
Josephson ROM, near ideal coupling element 2—5228
LSI 1 Mbit, Kanji (Chinese ideograph) character generator appl. *(Japanese)* 2—24508
metal-Si_3N_4-Mo-oxide-semiconductor, electrically alterable ROM, memory retention life at various tests 2—15028
MNOS LSI memory testing, physical approach 2—1457
MNOS nonvolatile memory technology at Sandia National Labs., USA, EAROM, RAM and EEPROM appls. 2—15035
MOS 45 ns fully static 16K ROM design and fabrication 2—14102
Mosteks 'Byte wyde' memory family 2—14099
patch operation by bypassing to substitute memory or using software techniques 2—19668
read-only storage array cell having late personalization using poly-Si resistor 2—25355
ROM design, many-valued logics appl. 2—14129
ROM size reduction, many-valued logics appl. 2—14128
semiconductor and bubble memories, handbook 2—23882
semiconductor memories, book 2—23876
semiconductor memory technology developments 2—5218
sliding-block decoder for convolutional codes, realisation using time-invariant nonlinear digital filter in ROM 2—2269
test programs for microcomputer systems *(Croatian)* 2—24544
write-once, optical ROM, material for providing contrast 2—5229
Si polycrystalline poly Si ROM 2—5774

readout, digital *see digital readout*

readout, nondestructive *see nondestructive readout*

real time computer systems *see real-time systems*

real-time systems
see also online operation
aircraft combat survivability, Multiple Environment Generator for EW Evaluation Simulator, radio emitter level 2—27241
aircraft event insertion panel and software for digital simulation 2—7372
analogue signature anal., real-time test technique, discrete-time signal processing, 200 Hz to 3 MHz 2—16789
ATE for electronic warfare systems, high-speed signal acquisition and processing 2—22128
ATE for mechanical failure prediction 2—22118
communication network management, optimisation techniques and real time considerations 2—16015
computerised measurement system, software structures for online data processing *(Russian)* 2—26730
concurrence processing in CHILL high level language *(Italian)* 2—10912
digital recursive band-pass filters *(German)* 2—14226
DIPS standardised operating system, DIPS 104 OS 2—26278
file memory systems, DIPS operating system for mass memory system control, data communications appl. *(Japanese)* 2—6592
flight testing, microwave system for real-time position meas. 2—17132
Fourier transform dielectric spectroscopy utilizing real-time operating system, permittivity meas. appl. 2—11588
frequency meter results analysis, using simple attachment 2—7139
helicopter flight testing, real time analysis 2—22619
IR reconnaissance for RPVs 2—7394
Iwatsu oscilloscope with digital storage *(German)* 2—26872
microwave imaging system, experimental X-band 'quad' array for low-cost real-time appls. 2—3067
MV network, real time data processing system for visual display and calc., database aspects 2—3747
NASA's manned spaceflight, real-time computer systems 2—22709
optical signal processors, techniques and architectures, real-time parallel processing, acousto-optic transduc-ers 2—6467
PATRIOT Guidance Test and Simulation Facility, hardware-on-the-loop missile system simulation in real time 2—7369
power transmission calc. via topological modifications *(French)* 2—7515
real-time adaptive contrast enhancement 2—15907
remote writing terminals and audiographic services *(French)* 2—21476
rough surface microstructure change and motion tracking meas., real-time speckle correl. by holographic matched filtering 2—26961
scene-based nonuniformity compensation for imaging sensors 2—27304
speech synthesis using CV syllable cepstral parameters of Japanese 2—15866
supervisory control of raw water supplies for ESCOM's power stations in the Eastern Transvaal 2—3939
synthetic system generation techniques, DIPS 104-02 operating system for data communications appl. *(Japanese)* 2—6589
telemetry data processing and display 2—22180
TV broadcast computer graphics systems, ICON, Flair 2—11208
US receiving system, monolithic array transducer, microcomputer for data acquisition *(Japanese)* 2—12098

reboilers *see boilers*

receivers
see also acoustic receivers; radar receivers; radio receivers; telephone receivers; television receivers; transceivers; transponders
adaptive noise-like signal receiver with optimal weights, characts. and loss of noise immunity 2—10698
Bayes' optimal receiver for digital fibre optic communication system 2—11089
continuous phase chirp signals for binary data communication, coherent detection 2—2549
continuous phase chirp signals for binary data communication, noncoherent detection 2—2550
crystals, magnetically ordered, use to detect weak signals 2—25441
detection of band-limited PAM signals with excess bandwidth 2—2245
digital multifrequency receiver using FIR quadrature filters with window functions 2—6699
ground-down receiver, ECL levels to Schottky current switch level 2—24485
interpolated discrete Fourier transform dual-tone multifrequency receiver with phase criterion 2—6700
Josephson logic circuits, long-line receiver 2—5195
Josephson long-line receiver 2—5196
line receiver hysteresis testing, ramp-sample-hold technique 2—26954
military aircraft optical data bus receiver 2—7398
nonequalising receivers for optical fiber systems, considerations for design *(Italian)* 2—11087
optical, design for digital fibre optic system 2—2788
optical heterodyne receiver, fundamental props. 2—11091
optical receivers for underwater communication, optimum overall design 2—16492
optimum receiver design for randomly dispersive incoherent optical channel 2—6844
PSK modem receivers, digital signal processing realisations 2—2585
Ge avalanche photodiode receiver, sensitivity meas. 2—10153
$In_{0.53}Ga_{0.47}As$-InP avalanche photodiodes, excess-noise and receiver sensitivity measurements 2—15401

receiving antennas
see also reception
8-Ball satellite TV antenna 2—10581
active, fast tunable, analysis of obtainable improvements of dynamic qualities 2—21218
adaptive array sample length limitations due to noise, number theoretic transform method appl. 2—26066
adaptive receiving antenna array for 150-mi over-ocean link, elimination of HF multipath interference 2—10980
backfire bifilar helical antenna with tapered feed end 2—2202
car windshield, active, design 2—15783
central receiving antenna systems for TV/radio community distribution networks *(German)* 2—2203
conical equiangular spiral antenna, properties over extended bandwidth 2—15778
dipole antenna current distrib., calcs. based on modified King-Middleton approx. 2—2192
direct satellite TV receiving equipment development 2—26608
EFM 5 monitor for RF leakage meas., 200 kHz to 1 GHz range, industrial, consumer devices appl. 2—26050
helical quad antenna with 3-way polarisation, amateur radio, scanner listening, DX TV appl. 2—21730
HF antennas for amateur radio, theory and practice 2—10562
HF broadband performance rel. to communications antenna technology developments 2—21216
HF receiving antennae with high directivity, trends 2—2222
HF tuned active receiving antenna AK 001 for interference-free reception 2—26044
HI-3001 broadband survey meter for electric field meas., EMC/EMI, health, safety appl. 2—26051
Intelsat V system, earth-station antenna 2—10579
isotropic E-field probe radiation monitor, EFM 5, 0.2 to 1000 MHz freq. range 2—26049
large aperture, exact gain meas. using celestial radio sources 2—21885
parabolic antennas as components of communication transmission systems *(German)* 2—26045
phased arrays, effect of combination interference due to pattern-shaping ccts on S/N ratio 2—10597
plane wave scattering from infinite loaded dipole planar array over lossy half space 2—2201
RF noise from high-voltage power lines, statistics 2—15729
satellite direct broadcast receiving antenna, with corrugated feed for 12 GHz *(Italian)* 2—26609
satellite transmission services monitoring *(German)* 2—10961
satellite TV, lining up procedure, amateur construction 2—21960
satellite TV antenna, construction 2—21238
satellite-fed programming, suitable antennas 2—15768
skew estimator method for alignment of troposcatter antennas and synchronization of master clocks 2—11368
solar power satellites, effect of ice on off-shore microwave receiving antenna elements 2—10599
sunflower spiral antenna, effect of axial ratio 2—10565
SW, basic types 2—11174
TIROS-N series satellites, high-resolution weather satellite pictures, receiver design 2—11026
transient coupling analysis using singularity expansion method, computerised network analysis 2—26034
TV receiver 12 GHz front-end designs, using low noise GaAs MESFETS 2—16602
TV reception problems with large number of channels *(Italian)* 2—26610
UHF TV antenna component, FCC study 2—16604

reception
see also diversity reception; radio reception; television reception
FM, high quality stereo reception *(Japanese)* 2—2907

reception quality *see reception*

recombination, electron-hole *see electron-hole recombination*

recombination, ion *see ion recombination*

reconnaissance satellites *see artificial satellites*

record players *see gramophones*

recorders
see also recording; tape recorders
active power meas. by E 535 W-M3 recorder equipped with Hall multiplier *(Rumanian)* 2—17083
chart recorder selection guide 2—26881
chart recorder with microprocessor, DMR 7800 2—17031
coded data aquisition equipment supplying information from conveyor belt to process computer *(German)* 2—16990
contactless, with conversion of coordinates 2—17026

recorders continued
eight-channel transient recorder, microprocessor control, 'W+W' 400 type, thermal printing *(German)* 2−26878
electrocalorimetric apparatus for loss meas. in supercond. 2−17001
FAK-P facsimile equipment as a recorder in seismic profiling systems 2−3199
gas-liquid mixture meas., local gas content determ. 2−17175
information extraction and output trends, developments in indicating and recording instrumentation *(German)* 2−3197
intelligent data acquisition for road driving 2−26894
laser scanning recorder, high-speed, hybrid 2−2962
logarithmic characteristic recorder *(German)* 2−3207
magnetic instrumentation recorders methods and appl. *(Polish)* 2−3201
multichannel instrumentation recorder maximum signal range LED indicator, ICs 2−7144
solid-state radio receiving system for the recording and monitoring of standard ATA transmissions on 10 and 15 MHz 2−26417
step-by-step motor recorders, optimal control conditions *(Rumanian)* 2−18280
stress measurement techniques for three dimensional components *(Spanish)* 2−17181
tachometric bridge dynamic correction in automatic compensators for constant voltage *(Bulgarian)* 2−26895
transient recorders, practical aspects of use for signal storage *(Hungarian)* 2−26882
waveform recorder, glitch detection using analogue latch 2−3178

recording
see also audio recording; magnetic recording; traffic recording; video recording
30 kW electron beam guns, evaluation by beam luminescence recording 2−23798
arc and induction melting processes, electrical energy consumption minimisation by microprocessor based control system *(German)* 2−18759
geophysical prospecting, transient response of induction logging tool in borehole 2−17548
impulse voltage recording by A/D convertor *(French)* 2−17067
metallised paper, arcing current control cct. 2−19819
power utilisation at consumers terminals for better system load control *(Croatian)* 2−7584
sequence of events recording systems/ 2−3806
telecommunication signals *(Polish)* 2−2594

recording instruments *see recorders*

recovery
Si:As, ion implanted, polycrystn. film, laser irrad., elec. props. grain size, annealing effect 2−9404

recrystallisation
microstructural processes and features only
see also recrystallisation annealing
MOSFET fabrication in poly Si films recrystallised by CW electron beam heating 2−9655
semiconductors, laser annealing, liq. phase and solid-state epitaxial recrystallisation 2−10403
$Bi_2Te_{2.88}Se_{0.12}$, extruded, elec. props. and struct. 2−20118
InP, amorphisation and low temp. recrystallisation 2−9419
Si film, encapsulated, zone-melting recrystn. on SiO_2, morphology and crystallography 2−24916
Si film, polycryst., recrystn. using laser beam profiling technique 2−25885
Si film on sapphire, implanted, laser annealed, dislocations, twins 2−14798
Si island growth on bulk fused SiO_2 by CO_2 laser annealing 2−24309
Si, polycryst., laser recrystallised, for high performance I^2L 2−20383
Si, polycryst., recrystallisation by CO_2 laser heating of SiO_2 2−1301
Si polycryst. film, on SiO_2 coated substrates, zone melting recrystallised, stress enhanced carrier mobility 2−24917
Si polycryst. on SiO_2, recrystallisation by dual electron beam processing, lateral seeding technique 2−24311
Si, polycrystalline film, on amorphous substrates, CW laser recrystn. 2−1149
Si polycrystalline film, surface stabilisation during laser recryst. 2−5696
Si, recrystallisation of amorphous and small grained polycrystalline material 2−5544
Si:Tl, solution growth for 3 to 5 μm photocond. detectors 2−8798

recrystallisation annealing
Al-nSi, Schottky diodes, temp. annealing effect on electrophysical parameters *(Russian)* 2−5721
GaAs:Cr amorphous film, hopping conduction 2−20092
InP, ion-implanted, CW laser annealing, amorphous layer recrystallisation 2−1192
InP:Se, ion implanted, pulsed laser annealing 2−14789
Si, As^+ implanted, ion beam annealing 2−24918
Si, implanted, macroscopic electron channelling pattern for laser induced recrystallisation monitoring 2−5535
Si solar cell, ion implanted; laser annealed, substrate heating and emitter dopant effects 2−4335
Si:As, ion implanted, radiation damage, in situ ion beam annealing 2−14764
Si:As^{2+}, ion implantation, scanned electron beam annealing 2−1159
Si:Ga, high dose implanted, thermal annealing and elec. activation 2−1297

rectangular waveguides
anisotropic dielec. waveguides, guided modes anal. 2−21189
below-cutoff, automatic sensor for meas. obstacles 2−11603
brass, vibr. strength, improvement by metal treatment *(Russian)* 2−13850
circular polarisation synthesis with nonresonant slots 2−19839
dielectric, single and coupled, anal. 2−909
digital ferrite phase shifter, influence on differential phase shift of waveguide narrowing 2−24652
inductive rod in uniformly bent waveguide, analysis 2−10544
loaded with semiconducting post, microwave elec. field distrib., integral equation method 2−10541
microwave-signal detector, using Schottky-barrier diode in rectangular waveguide 2−22283
MM-wave dielectric waveguides, EM modes, computer anal. 2−21191
periodic branching filter for MIC's, appl. of rectangular dielectric waveguides 2−925
resonant scattering of EM waves by thin conductors 2−24645
resonator calc., used as absorption cell in radio spectroscope 2−929

rectangular waveguides continued
stub coupling elements with electrically controlled transient attenuation 2−19851
wideband H-plane sectoral horn antenna with const. beamwidth 2−26055

rectification
copper phthalocyanine-metal junction Schottky barrier, photovoltaic effect 2−14695
current inverter for cage rotor induction motor torque and speed control via thyristors *(German)* 2−8968
metal-chalcogenide amorphous semicond. system, elec. contact props. 2−1230
p-n semiconductor structure, weak injection, AC-DC conversion efficiency 2−9489
phthalocyanine Schottky barrier solar cell, In/x-metal free 2−7993
Al-n-SiC, Schottky diode, elec. props. *(Russian)* 2−25201
Al-$Se_{32}Te_{32}As_4Ge_{32}$-Au structure, elec. characts. of amorphous semicond. layer 2−14736
As-Se-Te, metal-semicond.-metal struct., elec. props. 2−25101
Si solar cell, low temp. solid-phase epitaxy 2−12848
Si-Mo Schottky barrier formation, effect of ion-beam sputter damage 2−1228

rectifier substations
choice of analytical and modelling methods for reactive compensation equipment 2−12293
DC power supplies for electrolytic processes, reducing losses 2−18349
DC power supply system with inverting substations for traction systems using regenerative brakes 2−28174
operation of twelve-pulse rectifiers *(Russian)* 2−28013
semiconductor traction substations, mining distribution network overloads, operational effects *(Russian)* 2−27476

rectifier tubes
microwave nonlinear load operation, output voltage ripple variation 2−20021

rectifier valves *see rectifier tubes*

rectifiers
see also battery chargers; electrolytic rectifiers; mercury arc rectifiers; solid-state rectifiers
100 lM thermonuclear fusion system, rectifiers description *(German)* 2−23356
alternator-rectifier excitation system models and verification tests 2−18344
asynchronous generator with short circuited rotor, rectifier-fed, in independent power supply systems, anal. 2−4142
brushless exciter with bridge rectifier, resultant magnetizing force of multiphase winding for a flow of nonsinusoidal current 2−18189
calculation of currents and voltages for multiphase synchronous generators with bridge rectifier load 2−18188
controlled rectifier driven asynchronous railway traction motors, computer aided determination of harmonics *(German)* 2−4424
critical states of rectifier converters, analysis 2−28030
DC mains supply power unit using hybrid fixed-voltage regulator of 5 V/20 A *(German)* 2−688
developments in rectifier equipment for railway traction substations 2−28000
electric railcars, type 200, electrical equipment *(Japanese)* 2−4418
formed commutation rectifier circuit calculations *(German)* 2−20247
high frequency welding 2−28279
IC power supply unit, construction details *(German)* 2−5108
mathematical model of circuits with rectifier converters 2−28029
multiphase controlled rectifiers, appl. of IC U 706 D *(German)* 2−712
one-quadrant DC drives, automatic speed control 2−18652
radio station power supply *(German)* 2−16363
reactive power automatic compensation equipment for steel mill drive instabilities 2−18626
ring resonator, dispersive, with diffr. grating as amplitude rectifier 2−1981
single phase controlled rectifier with working current shape correction 2−18342
single-phase half-wave rectifiers, anal. of EM processes *(Russian)* 2−13935
six phase, steady state operation *(German)* 2−18343
slow-response assembly with dynamic voltage stabilizer connected to o/p 2−720
small rectifier transformers with loading condenser, performance anal. *(German)* 2−12685
thermally switched 9 kA superconducting rectifier fluxpump 2−1673
thyristor rectifier for new power supply system for large telecommunication plants 2−18322
thyristor-excitation system overvoltage 2−27896
variable structure circuits anal. algorithm using difference equation-structural numbers method and discrete and continuous Laplace transformations *(Russian)* 2−28002

rectifying circuits
see also rectification; rectifiers
0.05-20 Hz, linear, ripple factor reduction 2−13955
complex nonlinear circuits periodic processes anal. using differential harmonic method 2−27890
convertor efficiency improvement using rectified output derived from input winding 2−13972
critical states of rectifier converters, analysis 2−28030
design and appls. *(Polish)* 2−4292
HEXFET integral reverse rectifier, characts., appl. 2−5079
IC U 706 D thyristor multiphase control unit for mains rectification *(German)* 2−13966
induction watthour meter performance on rectifier/inverter circuits 2−12318
mathematical model of circuits with rectifier converters 2−28029
power diode and thyristor models *(German)* 2−20248
power electronics using microprocessors for control and supervision *(German)* 2−23667
SCR convertor ccts., transformer losses estimation 2−12727
single-phase bridge rectifier operating conditions *(Russian)* 2−28004
static DC drives, redesigned using analogue LSI 2−8986
three phase bridge convertor, constant current source fed, steady state performance anal. *(Russian)* 2−28022
three-phase bridge clct. with thyristor convertors, characts. 2−4294
three-phase controlled rectifier bridge, microprocessor based controller 2−13973
time-optimal rectifier-unit control 2−12720
voltage-halving converter 2−8974

recursive functions
mean-Earth satellites, analytical singularity-free orbit predictor 2−27232

rediffusion
see also broadcasting; radio rediffusion
No entries

redundancy
see also bandwidth compression; data compression; logic design
binary positional number systems in data handling *(Russian)* 2−21296
COM8004 CRC generator/checker for use with synchronous data link controller protocols 2−9123
cyclic redundancy codes for error correction in data transfer systems 2−6399
data handling system redundancy, availability analysis 2−17864
decomposition approaches to large-scale multiobjective reliability design 2−4682
flight control, dual input actuator for fluidic backup 2−17491
hardware redundancy and reliability *(German)* 2−13322
IC self testing design, w.r.t. economics 2−4679
integrated memory circuits, redundancy techniques mechanisms and utilisation *(Swedish)* 2−24510
m-out-of-n: G redundant system, reliability anal. 2−8306
minimax redundancy for universal codes, matching to channel capacity computable by standard techniques, comments 2−10607
multimicrocomputer structure based on extended common bus *(Italian)* 2−16193
parallel power supplies, techniques and problems 2−18336
railway signalling equipment power supply voltage and phase-sequence monitors for change-over *(German)* 2−18685
RAM design, monolithic ICs *(German)* 2−9129
reliability, acceptable standards on products using redundancy 2−13324
reliability modelling of logic protective networks which include dynamic redundant systems 2−140
safety, availability, and maintenance evaluation for redundant systems 2−18938
satellite Earth station automatic control and monitoring by microprocessors *(Italian)* 2−16433
semiconductor memories, redundancy in 64-K RAM *(German)* 2−5220
stage-state reliability analysis technique 2−19056
two identical unit redundant system, availability anal., n-mutually exclusive failure modes, common-cause failure 2−8315
two non-identical three-state units redundant system with common-cause failures and one standby unit 2−8317
two-unit parallel redundant system with bivariate exponential lifetimes, light maintenance 2−8316
two-unit standby redundant system with switchover time parameter generation using pseudo semi-Markov process 2−8318

redundancy theory *see redundancy*

reed relays
cable insulation testing, reed relay appl. to personnel protection 2−24753
dry reed contact, correlation between switching phenomena and characteristic life 2−1000
dry reed plating, improved process by Elec-Trol Inc. in USA 2−23815
dry reed relays used in ATE, reliability enhancement, quality assurance program 2−5409
dry-reed contacts operated by permanent magnets, test method 2−5414
electromagnetic relays, protection, working and advantages *(Spanish)* 2−9271
high contact rating miniature reed switch development 2−5412
light-activated switch, response only to mains lighting 2−9171
low thermal EM, charcts. 2−5400
magnetic reed switch in sensing and alarm circuit for monitoring open doors 2−16932
multilayered reed contacts for large surge current load 2−999
waveform generator ccts. appl., single-trigger mode 2−14255

reeling *see winding (process)*

reentrant superconductors *see magnetic superconductors*

reference circuits
bandgap-voltage reference, curvature-corrected 2−19550
CMOS bandgap voltage reference sources 2−19535
DC voltage reference standard, using Si diodes as transfer media 2−11327
IC transistor array for reference voltage circuit 2−13941
power supply for LSI chips, reference voltage generator 2−24396
quadrature-current reference, current-comparator-based, power meter calibration appl. 2−12321
read/write control circuit reference voltage generator for memory cell array 2−806
reference voltage supply, with low current demand, max. stability at 5.12 V *(Italian)* 2−8971
stacked voltage references for improving power supply's regulation performance 2−685
up-clamp reference circuit 2−24395
voltage, 8-bit CMOS ADC appl. *(German)* 2−887
voltage convertor, thermal, with BNC input connector 2−11571
voltage generator with automatic setting 2−700
voltage sources, precise integration, props. and appls. *(German)* 2−19537

references (standards) *see standards*

refining, oil *see oil refining*

reflectance *see reflectivity*

reflection
see also acoustic wave reflection; electromagnetic wave reflection; reflectivity
No entries

reflection high energy electron diffraction
MBE film growth, surface and kinetic effects, review 2−4985
poly-Si, nucleation and growth, in-situ obs. 2−24327
$Cd_xHg_{1-x}Te$, molecular beam epitaxy on CdTe 2−580
CdTe, molecular beam epitaxy on CdTe (100) and (100) 2−579
$CuInSe_2$ epitaxial layers, on {110} and {100}-oriented GaAs substrates, struct. using RHEED 2−1208
GaP layers, deposited on GaAs substrate, initial growth and defect struct. 2−24283
InSb, MBE, RHEED study of free Sb surface lifetime on InSb 2−19436
Sb, MBE, RHEED study of free Sb surface lifetime on InSb 2−19436
Si-insulator triple struct. fabrication by O_2 implantation and epitaxial growth 2−19421

reflection spectra *see reflectivity; spectra*

reflectivity
see also electroreflectance; piezoreflectance
baffle absorbing coatings for far IR 2−10102
lamelliform materials, opt. props. and charcts. 2−14607
laser mirror development, high reflectivity, using cavity-attenuated phase-shift method 2−6242
radar, differential reflectivity, meas. by dual polarisation *(Spanish)* 2−11023
semiconductor, laser-induced solid phase epitaxial growth, monitoring using time-resolved opt. reflectivity 2−8816
semiconductor DH laser, reflectivity, analytical approx. 2−20892
silicide films for archival optical storage 2−9963
solar cells, optical characterisation, computer-controlled instrumentation, spectral photoresponse, reflectivity, transmissivity, GaAs and stacked cells 2−22112
thermal imaging, target props., effect of environment radiation *(Chinese)* 2−3062
Au-CdS Schottky barrier solar cell, Ta_2O_5 antireflection coating 2−18475
BeF_2 glasses, vacuum UV props. 2−9965
n-GaAs wafer, proton implanted, IR reflectivity characteris. 2−9561
$Ga_xIn_{1-x}As_yP_{1-y}/InP$ stripe lasers with chemically etched-mirrors, review 2−25785
$InP:Se^+$, ion implanted, Rutherford backscatt. and ellipsometry 2−9560
$LiGaSe_2$ single cryst. growth and characterization 2−8792
Si, amorphous self ion implanted, dynamics of pulsed laser annealing, reflectivity study 2−1307
Si film, implanted, CW laser-induced solid phase epitaxy dynamics, time-resolved reflectivity meas. 2−24307
Si, ion implanted, amorphous, ultrashort pulse laser annealing 2−25135
Si, laser-induced solid-phase crystal growth investigation by time-resolved optical reflectivity 2−590
Si:As, implanted, CW laser annealed, real-time monitoring of opt. props. 2−25136
$Si:B^+(P^+)(As^+)$, solar cells, prep. by ion implantation and pulsed laser annealing, optical and elec. characterisation 2−12862
SnO_2:Sb, thin film elec. and optical props. 2−20091

reflectometry
see also microwave reflectometry; time-domain reflectometry
optical fibre, single-mode losses, optical freq. domain reflectometry study 2−20623
optical fibre backscatter loss signature determ., long-range, using two-point processing 2−20646
optical fibre fault detection using radar principle of pulse refl., GGCY-1 meas. apparatus *(Chinese)* 2−15297
optical fibre lightguides, loss measurement by refl. from end faces 2−20644
optical fibres, stability and noise improvement in refractive index meas. 2−9974
optical frequency-domain reflectometer, avalanche optoelectronic downconverter 2−25624
remote sensing by IR/visible ratioing radiometer, reflectance and radiance meas. 2−12068
surface gloss meas. specular reflection device *(Japanese)* 2−23983

reflector antennas
see also antenna reflectors
3-D corner reflector antenna of arbitrary apex angle, analysis 2−21206
8-Ball satellite TV antenna 2−10581
, multibeam satellites communications appl. 2−11072
Cassegrain antenna, erected in Leeheim, with switchover feeder system *(German)* 2−6369
Cassegrain antenna characteristics satellite communication systems appl. 2−21233
Cassegrain antenna for small satellite ground stations *(German)* 2−6370
compact measurements on reflector antennas 2−21220
compact microwave meas. approach 2−15789
corner-reflector antenna with tilted dipole, theory 2−21204
crossed dipole antenna arrays, influence of lattice geometry on EM wave transmission 2−21203
dielectric rod antenna, high efficiency feed for reflector antennas 2−15773
double layer wideband sharp cutoff dichroic plate, Potent Crosses/Kevlar honeycomb, spacecraft antennas appl. 2−11073
driving systems, state controllers and observers 2−16537
EDA-type antennas with structural connection of horn to secondary reflector, support systems for reflector 2−10586
edge-diffraction analysis, axial caustics and slope diffraction tested by modified ring currents 2−6357
feed-error compensation for large Cassegrain antennas in radiotelescopes 2−11131
feed-point impedance of corner-reflector antenna with tilted finite-length dipole 2−2205
gain-beamwidth product and other reflector-antenna relationships 2−21222
hyperboloidal subreflector antenna with conical flange, GTD anal. of far-field radiation pattern 2−10571
Jerusalem cross, comparison of modal anal. and equiv. cct. representation of E-plane arm 2−26061
Jerusalem cross microwave antennas, improved empirical model 2−21202
large space communication, radiation pattern prediction with spatial distortion errors, computer model 2−2777
mappings in computer plane, uniqueness theorem, Monge-Ampere eqn. 2−6363
measurement, tolerance and performance, conf., London, England (Nov. 1981) 2−13166
microwave, holography diagnostic techniques, recent advances 2−15784
microwave metrology, practical aspects 2−15786
millimeter wave beam steering by motion of Cassegrain antenna subreflector, 94 GHz 2−2206
millimetre wave astronomy developments 2−11128
mm loading with surface impedance to give improved performance, single and dual antennas 2−2187
multibeam reflector antenna anal., waveguide antenna feed element radiation patterns 2−10574
multibeam spacecraft antenna technology, offset fed paraboloid design, theory and expts. 2−26052
multifixed-beam satellite antenna with full area coverage and a rain-tolerant polarization distribution, cluster feeds appl. to offset Cassegrain 2−10572
multiple-mirror antennas, tolerances theory *(Russian)* 2−10551

reflector antennas continued
nonaxially symmetrical reflectors, radiation pattern calc. 2−21231
offset 2-reflector Cassegrain, secondary radiation pattern computation 2−10566
offset radiator, principal electrical characts. 2−2213
offset reflector antenna operating in four-frequency bands 2−10587
parabolic antennas as components of communication transmission systems *(German)* 2−26045
pattern analysis, using fast integration techniques 2−26030
prime-focus symmetric paraboloidal reflector antenna, GTD anal. of near-field patterns 2−10573
profile distortion, random phase assumption and clear-air turbulence errors 2−15787
radiotelescope reflector antennas, four-cornered surface plates, internal twist and least-squares adjustment, theory 2−11127
radome-covered, prediction and performance 2−21229
rooftop terminal installation for satellite business communication link 2−26474
satellite, 30/20 GHz demonstration system for improving orbit utilization 2−11035
satellite Earth station microwave antennas, measurement and optimisation using microcomputers 2−15790
satellite TV antenna, construction 2−21238
satellite-fed programming, suitable antennas 2−15768
scanning offset-fed, near-field Gregorian reflector antenna analysis, 12/14 GHz, satellite communications appl. 2−2773
scattering effects from support struts 2−15788
shaped subreflector in high efficiency dual reflector system, GTD anal. of radiation patterns 2−2189
SHF antenna types parabola, cassegrain, horn reflector, offset and Gregorian *(Japanese)* 2−21228
short backfire antenna for Doppler sensing 2−26043
surface profile meas. using US technique 2−15785
symmetrical, influence of beam waveguide system on cross-polarised characteristics 2−10567
turning-head antennas, oscillations about azimuth axis *(German)* 2−15781
TV receiver 12 GHz front-end designs, using low noise GaAs MESFETS 2−16602
TV/FM transmitting antenna *(Japanese)* 2−21227
umbrella reflectors, boresight-gain loss and gore-related sidelobes 2−21200
Usingen satellite station, remote controlled antenna adaption for Intelsat system *(German)* 2−6371
waveguide fed reflector power pattern, cross-polarisation effect 2−15759
wide scan quasi-optical frequency diplexer for antenna appls. 2−19846

reflex klystrons
frequency stability study using phase lock technique 2−9362

refraction
see also acoustic wave refraction; electromagnetic wave refraction; refractive index
No entries

refractive index
see also photorefractive effect
bicyclo[2.2.2]octane esters, nematic liq. cryst. props. rel. to display appls. 2−11552
Bragg filters in optical fibres, freq. response meas. by thermal scanning *(French)* 2−15366
defocusing plastic rod prep. by copolymerisation 2−15288
DFB laser action in fibre surrounded by gain modulated dye soln., evanescent field coupling 2−15490
diffused strip waveguides in glass, refr. index profile determ. 2−20661
etalons, quartz cryst., for far-IR methanol laser interferometer 2−20927
fibre, two-mode, low-loss, structural design optimisation 2−9996
fibre waveguide, bent, optical characts. 2−20663
fibre-optic waveguides, tunnelling leaky modes 2−20659
fibres, single-mode, dispersion and bandwidth spectra 2−25511
fluoride glass, expt. evaluation of material dispersion through refr. index meas. 2−5982
glass planar light waveguide formed by Ag diffusion, optical props. 2−1714
II-V compounds, amorphous and cryst., thin films, prep., struct., elec. and optical props. 2−13848
inverse scattering of layered and dispersionless dielec. half-space, refr. index profile, plane wave refl. data 2−2108
LED, Burrus-type, interference effects in emission and reflection spectra 2−1821
lens, planar, with refractive index gradient 2−1771
lightguide fibre centring in silicone coatings using forward-scatt. light 2−1726
microwave propagation, radio-refractivity changes associated with sea and land breezes 2−6331
middle-IR optical fibres with Pb oxide glass cladding, ref. index of glass, waveguide transmission loss 2−20674
multimode optical fibres operated at 1.3 μm, relationship between refractive index difference and fibre performance 2−10044
multimode strip waveguides formed by ion-exchanged processes, field-induced index profiles 2−10062
narrow and wide gap materials, optical and electronic props., model based studies 2−14604
optical fibre fabrication by vapour-phase axial deposition, refractive-index profile control techniques 2−10032
optical fibre preforms, three-dimensional refractive index profiling 2−15304
optical fibre waveguide, ring-type, three-layer, attenuation and pulse broadening 2−1720
optical fibres, distorted refr. index profile, pulse propag. theory 2−15314
optical fibres, single mode, jacketed, thermal stress effects on group delay 2−5999
optical fibres, single-mode, phase-matched stimulated four-photon mixing in min.-chromatic-dispersion region 2−6021
optical fibres using reflectometry, stability and noise improvement 2−9974
optical waveguide, planar, power depend. refr. index 2−10004
polymer light-focusing element, refr. index profile form. during diffusion process 2−20643
ring gas laser, light-induced optical nonreciprocity 2−10357
ring-channel waveguides, bistability anal. 2−15323
semiconductor laser injection locking, refractive index depend. on active layer carrier density 2−25777

refractive index continued
single mode fibre with high relative refractive index difference values, prep. by VAD 2−15300
tropospheric duct attenuation field, refractive index fluctuations effect 2−25950
waveguides, large-optical-cavity, graded-index, semicond. laser appls. 2−25524
AlGaAs DH wavelength multiplexing injection laser source with graded comp. along active layer 2−1945
AlGaAs-GaAs laser with external dispersive resonator, bistable operation and spectral tuning 2−20938
AlGaAsSb/GaInAsSb/GaSb laser, light confinement and divergence 2−25826
AlGaAsSb/GaSb laser, light confinement and divergence 2−25826
$BaTiO_3$ photorefractive-index gratings formed by nanosec. optical pulses 2−2038
CO_2 hybrid TEA laser, freq. sweeping, origin 2−20796
CdSe solution grown films, optical and photoconducting props. 2−25582
n-GaAs wafer, proton implanted, IR reflectivity characteris. 2−9561
Ge_xC_{1-x} CVD coating, struct. and optical props. 2−25037
InP:Se^+, ion implanted, Rutherford backscatt. and ellipsometry 2−9560
$In_{2-x}Sn_xO_{3-y}$ films, sputter deposited, elec. and optical props., heat treatment effects 2−14660
$LiNbO_3$, optical nonlinearity and hologram recording *(Russian)* 2−10348
Si_3N_4 CVD layer, X-ray mask prep. 2−1271
SiO_2, plasma-deposited, charact. 2−5011
SiO_2:GeO_2-P_2O_5 graded-index optical fibres, transmission bandwidth props. 2−20617
SiO_2-Ta_2O_5 waveguide dielec. thin films, refr. index var. due to laser irrad. and annealing 2−10005
$Si_{18}Te_{45}As_{28}Ge_{29}$, amorphous chalcogenide IR emitting diode, optical props. 2−20762
SnO_2:Sb, thin film elec. and optical props. 2−20091
ZnSe crystals, effect of heat treatment in Zn, Se, Cd vapour on optical and electro-optical props. 2−5549
ZrF_4 based glass, dispersive and scattering props. 2−20612

refractive index measurement
computerised system for bulk materials at UV, visible and IR wavelengths 2−26747
dichlorodifluoromethane as dye laser tuning gas, refr.-index meas. 2−15527
fibre optics, measurement techniques for important parameters 2−9971
fibres, multimode, nearly elliptical, tunnelling-radiating effect, near-field index-profile meas. technique 2−20652
fibres, step-index, modified near-field intensity scanning 2−20647
MM-wave spectroscopy, untuned cavities, appls., dielec. meas. 2−22377
optical communication fibres *(French)* 2−20641
optical fibre, step-index, monomode, consistent refr. index profile meas. by several techniques 2−6006
optical fibre index profile meas., refracted-ray scanning method 2−15335
optical fibre index profiles by refr.-ray method, refr. near-field scanning 2−5984
optical fibres, nondestructive meas. of core radius, numerical aperture and cutoff wavelength 2−15294
particles, measurement by crossed-beam laser anemometry method 2−20993
preform index profiling with high spatial resolution 2−10019
semiconductor, direct determ. of far IR opt. consts. using asymmetric Michelson interferometer 2−11645
two-layer lightguide fibres, microinterferometric meas. of refr. index 2−15327
InSb optical consts. meas. at 4.2K and 1.5K in spectral region below 40 cm^{-1} 2−22417
$LiNbO_3$:Ti diffused channel waveguide, surface-index profile meas. using interferometric technique 2−15289
$LiNbO_3$:Ti diffused channel waveguide characts. 2−20662

refractivity *see refractive index*

refractometry *see refractive index measurement*

refractories
see also ceramics; cermets; clay
carbides, emission-adsorpt. props. anisotropy 2−9356
elastic moduli meas. at high temp., pulse-echo meas. 2−8889
liners to maintain Si crystal purity in melt growth 2−24277
Si_3N_4 ceramics, sintering techniques, material props. and appls. 2−614
TiC-SiC, sintered, elec. resist. 2−8849
W films, deposition on MgO (100), ultrahigh vacuum arc evaporation 2−24286

refractory materials *see refractories*

refrigeration
see also cryogenics; freezing; low-temperature production
100 kWel/500 kWth solar farm type power station in Kuwait, multi-purpose project 2−7776
adiabatic demagnetization refrigerator for infrared bolometers 2−26862
cold storage equipment, using intelligent electronic controller, packaged system *(Japanese)* 2−13102
dilution refrigerator, automated temp. control and data acquisition system 2−11395
electric vehicles, thermoelectric refrigeration application for electric powering *(German)* 2−23689
French experience in the usage of photovoltaic batteries in developing countries *(French)* 2−23478
heat pump installation as refrigeration system for Wiehl indoor skating rink *(German)* 2−18784
magnetic refrigeration prototype tests for superconducting technological appls. in power generation and transmission 2−17744
new system of storing and primary cooling of fish in villages of isolated fishers and based on solar energy *(French)* 2−23480
power consumption reduction *(German)* 2−23784
solar heating, cooling and hot-water system, config. *(Japanese)* 2−12871
stand-alone photovoltaic systems, effects of controls and controllable and storage loads on performance 2−23520
textile plant, computer optimisation of refrigeration plant 2−13103

refrigerators
automatic deaeration, device connection operation and effects 2−28259
domestic refrigerators and deep freezers, employing electronic protection and control circuits *(German)* 2−4481
intense cooling plants with heat recovery *(German)* 2−18785
life-cycle cost anal. methodology 2−18920
liquid refrigerants and refrigerant mixtures viscosity measurement *(German)* 2−22453

refrigerators continued
photovoltaic medical refrigerator, design requirements critique 2−23541
thermocouple energy characteristic optimisation 2−12937
thermoelectric refrigerator powered by photovoltaic solar collectors 2−18786
regenerative braking
DC power supply system with inverting substations for traction systems using regenerative brakes 2−28174
electrical scheme of 81-717 and 81-714 metro coaches, Moscow Metro *(Russian)* 2−28171
regenerative braking performance analysis of a thyristor-chopper controlled DC series motor 2−18267
regenerative receivers *see radio receivers*
regulation
see also control of specific variables; load regulation
hydraulic turbine governor, predicting the stability of regulation 2−7753
regulators *see controllers*
Rehbinder effect *see mechanical properties of substances; surface phenomena*
relative humidity *see humidity*
relativistic band structure calculations
No entries
relativistic electron beam tubes
Cerenkov radiation from relativistic electron beam in corrugated waveguide 2−1116
coherent radiation in longitudinal periodic mag. field 2−10426
cyclotron maser instability, as resonant limit of space charge wave interaction with EM structure 2−15422
cyclotron-resonance maser amplifiers 2−24866
dielectric loaded waveguide, annular beam propag., Cherenkov radiation 2−14582
diocotron instability in hollow beam, background plasma effect 2−24863
diode, momentum distrib. and instability 2−1109
focusing in high-voltage diode, mag. fields observation 2−11720
foilless diodes, analytic and numerical studies 2−1114
gyromonotron, genral operational charact. 2−20025
gyromonotron parameters, numerical calculation using orbital theory 2−14581
gyrotron, dielectric loaded, wide-band, mixed slow-wave operation 2−24862
gyrotrons and cyclotron autoresonance masers, theoretical discussion 2−14579
high-current relativistic electron beams, interaction with plasma, microwave appls. 2−9364
magnetron, oscillating, relativistic, numerical simulation 2−1113
magnetron injection gun, cold cathode, for relativistic electron beams 2−14563
maser, electron cyclotron, for nanosecond megawatt pulses 2−20767
microwave generation by an intense relativistic electron beam 2−24868
MM wave emission, from intense relativistic electron beams in uniform and rippled magnetic fields 2−14580
optical cavity modes, relativistic electron acceleration 2−3307
optical klystrons and multibeam free electron lasers 2−20771
parametric frequency up-conversion of electromagnetic waves in bounded electron beams 2−26026
peniotron, nonlinear analytic theory 2−1117
planar diode in mag. field 2−1108
relativistic electron oscillators, intense stream produces highly efficient directed synchrotron radiation 2−20020
source region EMP prod. 2−25979
ultrarelativistic backward-wave tube with anomalous Doppler effect, transient nonlinear theory 2−20028
relativistic plasmas
electron beam device for extracting particles into longitudinal inhomogeneous plasma 2−11714
electron beam device for extracting particles into longitudinal inhomogeneous plasma 2−17208
electron beam diode, momentum distrib. and instability 2−1109
free electron lasers collective-interactions, mag. field effects at millimetre wavelengths 2−25658
nonlinear radiation interaction between laser beam and plasmas 2−2156
relaxation
for dislocation relaxation see dislocation damping
see also dielectric relaxation; magnetic relaxation; stress relaxation; ultrasonic relaxation; viscoelasticity
$Al_xGa_{1-x}As$ solid solution, elec. cond. slow relax. 2−24989
relaxation oscillators
Josephson subharmonic relax. oscillator, amplification and locking 2−1605
LSA microwave oscillators, freq. locking 2−9219
sinewave oscillator for multiple audio signals 2−757
relaxation theory
coupled nonlinear ordinary differential equations, finite difference algorithm 2−13752
electric machines eddy current successive overrelaxation calcs. algorithm 2−4968
large matrix techniques in quantum chemistry and atomic physics 2−443
linear inequalities, non-polynomiality of relaxation method 2−19260
LVMP relaxation anal. 2−19252
M-matrices SOR convergence bounds 2−8668
vibrational response SCOR model 2−8667
relaxation time, carrier *see carrier relaxation time*
relay control
see also on-off control
closing and opening acceleration circuit *(Italian)* 2−9266
control circuit for type A 3700 automatic cut-out *(Russian)* 2−18403
drives with relay contactor, transients comparative analysis *(Bulgarian)* 2−4387
electricity supply voltage frequency adjustment, periodic signal frequency sensor 2−12313
load monitor with logic output for supervisory functions *(German)* 2−28283
Meidensha's general purpose sequence controller uniseque M100 2−12310
microprocessor-based protective relay system 2−12309
photovoltaic system with storage overloading protection using bistable relay regulator 2−23427
rotation frequency relay for hydrogenerator, performance evaluation 2−17774
relay control continued
single phase motor starting control, relay cct. 2−4320
weighscale for dusty, powder materials *(Russian)* 2−26826
relay protection
see also circuit breakers
10 kV rural supply networks, high speed protection *(Russian)* 2−3783
automatic monitoring of the technical condition of relay protection systems and anti-fault controls *(Russian)* 2−12300
availability of protection relays and systems 2−3794
cable insulation testing, reed relay appl. to personnel protection 2−24753
check of earth-fault protection by a secondary current 2−12312
computerised system reliability *(Russian)* 2−19041
coupling capacitance voltage transformers, transient response, IEEE report 2−17782
current operated earth leakage circuit breakers for protection against electric shocks on unearthed networks *(Hungarian)* 2−58
directional protection scheme based on time-domain anal. for digital processor use 2−3792
distance fault locating algorithms, error reduction 2−17763
distance protection, microcomputer appl. *(German)* 2−3782
distance protection, microcomputer appl. *(Russian)* 2−3786
distribution networks earth fault protection, new concept *(Polish)* 2−27484
effect on loads, shunts and system uncertainties on short circuit relays settings 2−17670
EHV lines distance protection, power swing detection techniques development 2−7574
EHV transmission lines, back-up protection equipment adjustment computing *(Czech)* 2−17770
electric machines electronic protection schemes *(German)* 2−18164
electromagnetic relays, protection, working and advantages *(Spanish)* 2−9271
fault location in HV power systems 2−3793
induction motor protection using overload relays, lack of adequate protection in certain situations, soln. 2−18247
linearization method for determining the effect of loads, shunts and system uncertainties on line protection with distance relays 2−12286
low and medium voltage overcurrent protection devices, charact. 2−12304
microelectronics for improved motor protection 2−7578
microprocessor based protective relaying, algorithms and systems 2−3799
microprocessor based three-phase transformer differential relay 2−27573
microprocessor implementation of breaker-fail protection 2−3795
microprocessor-based protective relay system 2−12309
microprocessors in electric power systems, present status and applications 2−27399
mines,radial power system CAD, determ. of tap and time dial settings of overcurrent relays 2−17769
multiphase and multicircuit power lines, asymmetry math. modelling, relay protection 2−17721
MV industrial networks, using electronic relays *(German)* 2−12284
new FFT-based digital frequency relay for load shedding 2−27574
new Modures relay sytem for plant protection 2−7577
new solid-state protection system for power station auxiliaries 2−7575
polyphase distance protection characteristics 2−3802
power equipment static protection, development prospects *(Polish)* 2−22955
power lead terminal electrical safety interlock for test operator protection 2−24770
power system protection, digital relaying, trends and advantages 2−3791
rotation frequency relay for hydrogenerator, performance evaluation 2−17774
six-phase transmission line, protective relaying mode *(Russian)* 2−12294
static mho type distance relay performance, effect of subsynchronous current 2−12306
steam turbine-generator underfrequency protection criteria 2−23116
tape recorder power failure detection cct., relay actuates motor dynamic brakes 2−16736
testing protective relay circuits 2−12303
traction substations, unattended, automatic control 2−8043
unbalance currents of differential protection of high power electric motors 2−18173
underground coal-mine power system, computer-based protection relaying scheme 2−17776
relay systems (radio) *see radio links*
relay systems (satellite) *see satellite relay systems*
relays
see also reed relays; semiconductor relays; switches
automatic testing using microcomputer controlled test system 2−3060
boosting coefficients in the magnetic return relay *(Russian)* 2−24763
chatter eliminator for 6 sets of contacts using flip-flops and CMOS 4050 IC *(German)* 2−5312
contact bounce problems in intermitting elements applic. *(Croatian)* 2−19919
electrical contacts, spectrum anal. of noise by contact opening 2−9273
electromagnetic, advanced types in current use further developments for survival in the light of semiconductors upsurgence *(German)* 2−14341
electromechanical, comparison with microelectronic devices *(German)* 2−5403
electromechanical relays, state of the art 2−14339
EM relays assurance test method using microprocessor 2−998
ESK print relay, two-and four-contact type *(German)* 2−9268
gold sealed relays, appls. and testing 2−5410
graphical symbols for electrotechnology, Australian Standard AS1102 ladder diagram prep. 2−981
graphical symbols for electrotechnology, contacts switches and relays 2−986
high speed relay production, precision automatic test-adjust system design and development 2−3061
low and medium voltage overcurrent protection devices, charact. 2−12304
Meidensha's general purpose sequence controller uniseque M100 2−12310
microprocessor based three-phase transformer differential relay 2−27573
microprocessor controlled test equipment *(French)* 2−16791
microprocessor-based protective relay system 2−12309
miniature relay D1, using getter for high contact reliability 2−24767
miniature relay manufacture, production laser welding system design and construction 2−5413
model train points changer cct. using diodes, relays 2−14037
new FFT-based digital frequency relay for load shedding 2−27574

relays continued
on-off and measuring-type, revised standards, requirements for accuracy, repeatability and test procedures *(Italian)* 2—24762
photovoltaic system with storage overloading protection using bistable relay regulator 2—23427
polyphase distance protection characteristics 2—3802
power amplifier inhibit cct., used for relay contact protection 2—24764
prototype of multiprocessor based distance relay 2—27575
railway signalling equipment power supply voltage and phase-sequence monitors for change-over *(German)* 2—18685
RC timer with noise immunity using slow engage relay circuit 2—9163
reference information on switches and relays 2—5407
single phase motor starting control, relay cct. 2—4320
static mho type distance relay performance, effect of subsynchronous current 2—12306
subminiature relays for PCB appl. *(Dutch)* 2—5399
surface analysis techniques used in diagnosing relay problems 2—1001
telephony, relay adhering prevention, machine for air gap film prod. *(Hungarian)* 2—10898
testing, low cost microprocessor controlled test system 2—7028
thermal time-delay relay, operation and appl. *(German)* 2—5300
three-phase electric power switch, unitary input, phase-correcting assembly facility 2—14347
touch switch lamp relay cct. 2—18741

relays (repeaters) *see repeaters*

reliability
see also circuit reliability; quality control; standards; testing
6 GHz band SSB suppressed-carrier AM radio system with minicomputer based transmission surveillance 2—2683
64K-bit dynamic MOS RAM *(Japanese)* 2—9099
700 MWe, external and internal auxiliaries power supply reliability *(French)* 2—27617
accurate prediction, design-to-life cost model requirement 2—146
active chips micropackaging techniques for space electronics components 2—1080
active elements, testing and optimisation *(Polish)* 2—5714
Advanced Passenger Train, prototype, reliability monitoring 2—23694
aircraft maintenance *(French)* 2—22584
aircraft multiprocessing system, conf. at Roros, Norway (1981) 2—22663
aircraft test-analyse-fix condition selection for maximum savings 2—7375
AMP SOLARLOK connector for photovoltaic modules, reliability and maintainability 2—23634
application of the quality circle concept to reliability engineering 2—19050
ATE failsoft concept feasibility and benefits 2—22119
automatic fault clearance systems for consumer supply networks *(Russian)* 2—7539
automatic loop sectionalising for improving distribution reliability 2—27491
availability and functional performance requirements of warships 2—138
availability of protection relays and systems 2—3794
avionic multiprocessing system 2—22677
bipolar transistors, forward beta degradation and electromigration as reliability failure mechanisms 2—9632
bituminous concrete, quality assurance system of Quebec Ministry of Transport 2—112
boilers, once through subcritical pressure units with auxiliary load, reliability improvement 2—3911
British Telecom, safety considerations in design of equipment and plants 2—13231
BS 9000 electronic components, reliability quality factors, use of MIL-HDBK-217C model, comparative product assurance anal. 2—8286
bulk power transmission systems, outage data management 2—12207
burn-in and ageing systems for semicond. devices 2—16822
burn-in test design criteria, electronic equipment manufacture appl. 2—23977
calculating reliability during optimum planning of maintenance operations in a power system *(Russian)* 2—27428
Canadian long-haul fibre-optic transmission systems, reliability considerations 2—21829
capacitor reliability tests, error causes, failure rate *(German)* 2—19903
capacitors, manufacturing defects and user's faults, remedial measures 2—5378
carbon-resin printed resistors in damp heat environment, reliability evaluation *(Japanese)* 2—5366
ceramic chip carriers, Military Standard environmental testing 2—5797
city centre high-load-density distribution systems evaluation 2—17713
collection of reliability data on electronic components 2—4685
colour TV test data anal. using Weibull method 2—142
combinatorial properties of directed graphs useful in computing network reliability 2—19223
common cause failures, definitions and interpretations 2—8305
complete electronic systems, reliability of forecasts and reduction of costs *(Italian)* 2—4664
complex of operations for increasing reliability of hydraulic turbogenerator units of the AT-Bashinsk hydroelectric power plant 2—12532
component screening and profitability 2—13316
computer network anal. *(Slovenian)* 2—4681
computer programs, software tools *(German)* 2—4683
conditions for stability/ of a transmission system/ subject to random variations in power flow/ *(Russian)* 2—3729
consumer electronics, user data feedback tomanufacturer *(Polish)* 2—13317
control gear for offshore oil platforms, reliability requirements 2—23398
crossbar switching system enhancement by SPC facilities 2—2635
customer costs of intermittency in electricity supply 2—17646
cycle asymmetry endurance calc. 2—19036
data acquisition reliability and fault tolerance improvement, multimicroprocessor schemes 2—16887
DC locomotives, static logic control using microprocessors 2—13021
DC motors, ironless rotor, small, theoretical and experimental reliability anal. 2—12662
DC subfractional horsepower motors, reliability tests, method for increasing effectiveness *(German)* 2—23310
DC traction motor service reliability experience 2—7866
design engineering 2—8245
design evaluation of electrical and electronic equipment 2—144
designing for reliability, Hewlett Packard 2—4634
diagnostics and improvements in the reliability of systems of group control of active power of hydroelectric stations *(Russian)* 2—23163

reliability continued
digital computer algorithms for the calculation of generating capacity reliability indices 2—22839
digital panel meters, development, reliability, multi-function semiconductor chip appls. 2—3234
district heating system operational reliability improvement *(Spanish)* 2—27698
domestic electrical appliances, switches, geysers and heating mantles, safety and reliability tests 2—8100
dry reed relays used in ATE, reliability enhancement, quality assurance program 2—5409
dry-circuit contacts, review of environmental tests 2—5397
dry-reed contacts operated by permanent magnets, test method 2—5414
DUNA Iron Works rolling mill experience of reliable operation of electronic equipment *(Hungarian)* 2—23796
economic considerations for real-time naval aircraft/avionic Distributed Computer Control Systems 2—22672
effect of operational organization of electrical networks on their reliability 2—12170
electric components, practical aspects *(German)* 2—8312
electric connectors, manufacturing techniques and reliability 2—19927
electric drive, development trends *(German)* 2—12968
electric power system reliability, evaluated using graph theory *(Slovenian)* 2—12140
electric switch apparatus, reliability and durability *(Rumanian)* 2—18378
electric utility modelling extensions to evaluate solar plants 2—23199
electrical contacts, reliability model and method of estimation of durability *(German)* 2—5395
electrical equipment in mines, breakdown's classification *(Russian)* 2—28320
electrolytic reliability, working life expectancy 2—968
electronic component dormant storage, data based reliability assessments 2—24022
electronic component reliability data, book 2—13146
electronic components, instruments and troubleshooting, book 2—4572
electronic components, mass produced, reliability and failure distribution functions *(Dutch)* 2—13314
electronic components, quality and reliability, Indian standards 2—24019
electronic components integral nonlinearity diagnostics, review 2—68
electronic components reliability prediction through small ohmic nonlinearities measurement 2—129
electronic equipment, goods inward control of semiconductor components *(Danish)* 2—19011
electronic reliability engineering, statistical predictions 2—19040
electronic systems for traction drives, parametric reliability appraisal by means of nonlinear physical modelling *(Russian)* 2—23675
electronic telephone exchanges, maintenance measures deduced from investigations into reliability *(German)* 2—4619
electronics industry management, UK vs. foreign competitors 2—4667
engineering, general principles 2—131
engineering devices, period of ageing determ. *(Bulgarian)* 2—8310
engineering equipment, importance 2—132
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems, design and construction 2—3871
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems 2—3874
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems, design and construction 2—7684
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems 2—7686
flip-chip thick-film components for automobile electronics, reliability considerations 2—24839
Florida Power Corporation OTEC planning study, USA 2—7788
flue gas desulphurisation systems, technical and economic evaluation factors 2—23078
fly ash hopper evacuation system design and operation 2—18009
fossil fired unit reliability at low cost with selective QA modules 2—12468
Frankfurt Airport baggage conveying system, measures *(German)* 2—13320
FRBS protocol 2—21577
French nuclear power programme based on 900 and 1300 MWe PWR standardised units, improved reliability benefits 2—12350
fuel pump cams, probability method 2—19034
fuseless powerstation installations from the view of the user *(German)* 2—12412
generating plant reliability charact., operational interruptions and outages, effects *(Russian)* 2—17988
generating unit size selection, economies of scale and reliability 2—17679
generation expansion program to achieve optimum plant mix and minimum costs for a fixed reliability of supply 2—22788
generation planning model with reliability constraints 2—22860
guided weapon system development 2—17453
hardware redundancy and reliability *(German)* 2—13322
heat pump efficiency and reliability improvements 2—13080
hierarchical specification of the SIFT fault tolerant flight control system 2—22676
high impedance faults in distribution systems, detector 2—27591
high reliability test banks for endurance tests *(French)* 2—28188
Hitachi power transformer reliability 2—4262
hot-gas turbine testing and mech. design 2—3945
HV instrument transformer insulation ageing determ. *(Hungarian)* 2—23348
hybrid ICs accelerated life testing *(Polish)* 2—1069
hybrid thin-film circuits, throughplatings testing and reliability *(German)* 2—9334
ICs, quality control 2—9695
improved reliability of components by a systematic approach *(Dutch)* 2—13310
in-service surveillance for French PWRs, present and future techniques 2—12395
incipient failure detection using HF acoustic emission technology on rotating machinery and process plants 2—12120
induction motors, explosion-proof, for mines, manuf., quality and reliability *(Russian)* 2—4132
industrial, control techniques and design phase possibilities *(Dutch)* 2—13311
industrial plant reliability, dependability of cooperation factor *(German)* 2—24024
industrial process control instrumentation system's reliability assurance program, reliability growth and field results 2—19049

reliability continued
industrial reliability aspects during the production process *(Dutch)* 2−13312
industrial robot, anal. *(Russian)* 2−8324
instruments, periods between tests optimisation, w.r.t. test quality 2−6980
interconnected power network, optimal load dispatch strategy determ. 2−17649
interconnected system reliability evaluation with load correlation and transmission constraints 2−22854
intermeshed networks, power supply reliability estimation problems *(German)* 2−12241
internal combustion engine crankshaft bearing computer model 2−19035
IR emitting diode, custom designed, with high reliability charact., for light scatt. smoke detector 2−15421
KANUPP, reactor protection and control systems 2−7629
large power stations, dynamic charact. and control during fast power changes 2−3940
lifetime distribution estimation 2−24106
lift services development, reliability improvement *(Hungarian)* 2−28189
longitudinal modification of gear teeth for electric wagon transmissions 2−19038
LV electric motors, Class F and Class H insulation, designer's viewpoint 2−7802
magnetic bubble memories, application considerations, nonvolatility, reliability and fast access times 2−1579
marine power plant reliability data flow control by man-supervision system 2−4005
metal clad SF_6 switchgear probable life determination *(Dutch)* 2−23383
metal enclosed high voltage switchgear for safe operation 2−7940
metal film capacitor reliability, rel. to equivalent series resistance *(Italian)* 2−19902
method of determination of economic losses depending on the reliability of electric energy supply to receivers *(Polish)* 2−27359
microcomputer-based control system software *(German)* 2−8322
microprocessor-based remote subsea equipment 2−3629
microprocessors in electric power systems, present status and applications 2−27399
military aircraft, reliability and maintainability evaluation during initial testing 2−17459
military equipment, reliability challenges in design 2−8247
milling with rounded end mills reliability calc. 2−19037
MIM structures, quartz interlevel insulation, reliability evaluation 2−25100
miner electrical safety prediction using reliability techniques, fault tree for safety grounded/ground fault protection systems 2−18842
miniature relay D1, using getter for high contact reliability 2−24767
MOSFET, n-channel, reliability predictions dependent on temp. depend. defect level 2−15030
multilayer ceramic capacitor failure mechanisms causing high elec. leakage 2−19901
multimicrocomputer structure based on extended common bus *(Italian)* 2−16193
multiple-channel quadrupole parameter control systems *(Russian)* 2−11217
multiterminal reliability analysis of distributed processing systems 2−4688
normal distrib., reliability estimates 2−4755
Norwegian telephone area, reliability analysis *(Norwegian)* 2−26224
Norwegian telephone system operational reliability standards *(Norwegian)* 2−26223
nuclear plant safety and availability, Operational Support Systems improvement 2−17879
nuclear power plant availability improvement, transient analysis model 2−17869
nuclear power plant charact. *(German)* 2−13318
nuclear power stations, reliability improvement, electricity generation cost effect 2−23022
nuclear reactor safety software *(German)* 2−13319
online monitoring and surveillance equipment, reliability and cost effectiveness 2−8240
online surveillance and monitoring of plant reliability, conf., London, England (Sept. 1980) 2−8236
operating reliability of networks in electric systems *(Czech)* 2−27362
optical fibre trunk transmission medium design and performance 2−2802
optically coupled isolators, characteristics and useful life *(German)* 2−20756
optimal control of industrial reliability by means of function orientated quality maintenance *(Dutch)* 2−13313
optimal short-term power system operation, operational reserve policies 2−12132
optoelectronic devices, encapsulated, temp. cycle failure mechanisms 2−15370
optoelectronic devices, MTBF compound linear models *(Czech)* 2−15369
overhead contact line/current collector system economically oriented quality criterion *(German)* 2−23712
overhead line tornado-induced outage prediction method 2−17677
overlooking obvious errors in design or production testing 2−8248
partially alarmed hardware modules, reliability and maintainability review methods 2−147
PCB assemblies and hybrids, design and manufacture, correct assembly techniques 2−1028
PCB in-circuit testers, high-reliability test appl. 2−9287
PCB wave-soldering, high efficiency with noncorrosive rosin fluxes 2−14446
photovoltaic array load energy transfer optimisation using electronic series/parallel adaptors 2−18518
photovoltaic arrays, flat-plate design techniques, review 2−23550
photovoltaic module and array reliability 2−23606
photovoltaic modules reliability study methodology 2−18505
photovoltaic power system for remote appl., system design and reliability considerations 2−23537
photovoltaic power system reliability anal., maintenance availability, life-cycle cost calc. 2−23216
pin-attachment technique and structure 2−5499
plant condition monitoring in Japan, trends 2−8239
plant design, feedback of reliability and maintainability 2−4627
portable TV receivers, breakdown and reliability data, comparison of European and Japanese sets *(German)* 2−24020
power cables, polyethylene insulated, statistical reliability testing *(Czech)* 2−3751
power dispatch centre, computerised control 2−27414
power generating station instrument air systems availability 2−7706

reliability continued
power generating units, reliability evaluation *(German)* 2−3903
power MOS transistors application and protection in inductive load switching 2−25252
power network reliability, service cost and quality 2−27347
power plant design phase implementation of availability engineering 2−18021
power plant gas turbo-sets starting reliability *(German)* 2−27762
power plant maintenance scheduling problem formulations 2−17792
power plant optimum reliability and cost considerations 2−23925
power plant reliability determ. using digital simulation methods *(Slovak)* 2−3810
power plant safety, reliable dampers 2−27673
power station main generating equipment functioning, reliability estimation by mathematical models *(Russian)* 2−17790
power supply continuity improvement to industrial areas by insularization 2−27338
power supply reliability maintenance methods and equipment 2−27377
power system, cost versus reliability curves 2−27415
power system active power losses reduction using power capacitors impregnated with new non-chlorinated compounds for increased kVA ratings, high reliability and active losses reduction 2−27412
power system computerised control system *(Russian)* 2−19041
power system model *(German)* 2−13321
power system observability, telemeasurement network reliability, evaluation *(Japanese)* 2−17784
power system operation reliability concept development and methods adopted 2−27337
power system optimal short-term operation, economic evaluation of operational reserve policies 2−22853
power system outage data analysis, statistical methods 2−27417
power system probable fault conditions selection methodology *(Czech)* 2−27365
power system reliability and availability determ., analytical methods based on probability theory *(Croatian)* 2−27376
power system reliability evaluation, common mode failure modelling, new approach *(Croatian)* 2−3700
power system reliability indices 2−8328
power system superconductive magnetic energy storage system charact. 2−12573
power systems, service reliability optimisation problems, soln. 2−27406
power sytem, real telecontlrol system unreliability, cause of information loss *(Croatian)* 2−12142
power transformers, large capacity, design and manufacturing techniques, reliability testing, for use in thermal and nuclear power stations 2−27973
power transistors, improved cost effectiveness and product reliability through solder alloy development 2−9339
practical problem of ensuring the quality of electronic components and devices *(German)* 2−19007
practical reliability engineering, book 2−8327
prediction method investigation, through statistical pattern recognition *(Hungarian)* 2−8311
primary data conversion devices noise stability 2−8303
process control instrum., reliability assurance and growth 2−139
product assurance, project manager's guide 2−8301
product reliability, function of organisational learning 2−8330
product reliability influencing factors *(Polish)* 2−19054
pump reliability in flow system 2−12964
PWR plant availability-limiting factors analysed 2−17868
PWR plant component failures and protection system challenges 2−17871
PWR plant historical performance and availability improvement 2−17867
quality control, tools for controlling quality 2−8275
radio instruments, anal. *(Russian)* 2−8323
radio-electronic equipment, selection of criteria for reliability expt. 2−24023
railways remote monitoring and remote control equipment, Stuttgart region (West Germany) *(German)* 2−3091
reach-through avalanche photodiodes, noise, responsivity and long-term stability prospects 2−25621
reactive ion etched vias, reliability control method 2−13836
recent advances in software reliability methods 2−19053
redundant subsystems in production plant, effects on reliability during maintenance *(Dutch)* 2−4614
reliability evaluation of distribution systems using graphic-based interactive computational methods 2−22909
reliability growth planning for complex systems 2−19051
reliability physics conf., Orlando, Florida, USA (April 1981) 2−18861
reliable injection laser transmitter using twin laser chip for redundancy 2−25788
RESIN, desk-top computer program for finding cut-sets in networks 2−22877
risk assessment in relation to major hazards 2−4628
satellite TV receive only and digital data terminals, design and manufacturing for high availability 2−12054
semi-Markov processes in modelling and reliability 2−4763
semiconductor device operational life testing at production stage 2−23985
semiconductor device reliability, encapsulation investig. *(Italian)* 2−20217
semiconductor devices, electrostatic discharge failures, models and recommendations 2−14821
semiconductor devices, how parts fail 2−19044
semiconductor devices in laboratory and domestic environments, reliability aspects *(Spanish)* 2−20219
semiconductor memory testing diagnostics and anal. 2−19691
ship built-in-test design guidelines for hull, mechanical and electrical systems 2−22117
shock models and the MIFRA property 2−8325
single machine connected to infinite bus reliability index of transient stability 2−7469
solar cell arrays shadow tolerance, effects of shunt resistance and by-pass diodes 2−23437
solar electric power generation, reliability planning 2−7779
solid fuel conveyor system design rel. to belt reliability *(French)* 2−27697
space brushless DC motors and stepping motors 2−18265
spacecraft, lessons from NASA 2−8313
stage-state reliability analysis technique 2−19056
static convertor driven by microprocessor, optimisation of photovoltaic solar pump 2−23378
steam generator and allied equipment availability improvement 2−18010
steam power station steam/water circuits layout and design for plant reliability 2−27691

reliability continued
steam turbine automatic control system fire prevention 2−27727
steam turbine blading 2−18001
steam turbine-boiler, calc. 2−27732
steam turboset control and safety system features, effects on reliability and safety 2−23953
strict liability impact on reliability 2−38
superconducting magnets, acoustic emission and its diagnostic potential 2−9959
surge arresters for HV switchgear, design and testing methods 2−12311
synchronous machine excitation cct. surge protection *(Russian)* 2−4060
system design and tests, modelling techniques 2−8246
tandem-compound 1800 rev/min turbine-generators for largest superheated steam supply sources 2−18020
tape automatic bonding, products reliability 2−9341
techniques, conf. at Dusseldorf, Germany 1980 2−11670
telephone exchange reliability optimisation, using computer program 2−26325
terrestrial photovoltaic modules, field test sites, array reliability, failure mechanisms 2−23599
tests economic efficiency calc. *(Rumanian)* 2−19039
TGV, railways, track-machine transmission development *(French)* 2−23699
thermal power units, short-term forecasting models 2−27696
thick film circuits for telecommunications equipment 2−1054
Third National Reliability Conference, Birmingham, England (1981) 2−18854
tool life speed and time dependent failures 2−8307
traction drive electronic systems parametric reliability anal. by nonlinear physical modelling 2−28196
transmission network plans, reliability calc., computer programme TRAP 2−22879
transmitting facility design *(Japanese)* 2−19045
transportation, numerical anal. algorithm 2−19055
turbine-generator monitoring for operational integrity 2−7703
turbogenerator transients high and low cycle fatigue 2−4089
turbopump for feeding district heating power plants, reliability and feasibility *(Rumanian)* 2−12459
TV and VHF FM transmitters, IF modulation format *(Japanese)* 2−21926
TV broadcast satellite signal reception and processing 2−21808
two-section undivided system, probability of lost calls 2−2597
ultrasonic Al wire bonding to thick film Cu conductors 2−9342
ultrasonic testing, standards *(French)* 2−17617
urban electricity supply in India, reliability problems and remedies 2−7537
URD systems, long term reliability and maintainability problems 2−7543
useful life of lubricating oil in metal-cutting machine tools 2−134
VPE long-wavelength optoelectronic device fabrication and reliability for optical communication 2−2810
Weibull accelerated life tests when there are competing causes of failure 2−8507
xerography, laser diode appls. 2−15594
Ag containing thick film conductors, low cost, advances 2−24832
Al electrolytic capacitors, with liquid electrolytes, endurance testing under DC and AC conditions *(German)* 2−5376
(AlGa)As DH lasers, MBE grown, CW aging 2−20876
CdTe thin film appls. to solar cells *(Slovak)* 2−9437
Cu_2S-CdS sprayed backwall solar cells for terrestrial appls., reliability 2−23544
$Ga_{1-x}Al_xAs$, DH LEDs, reliability for lightwave communications through accel. ageing studies 2−6121
$Ga_{1-x}Al_xAs$-GaAs heterojunction lasers, reliability forecasting 2−25801
GaAs microwave FETs, operation and appl. *(French)* 2−14304
GaAs power FETs, reliability and life testing 2−25237
InGaAsP inverted rib-wavelength lasers, fabrication and operation characteristics 2−15505
$In_{1-x}Ga_xAs_{1-y}P_y$ laser and LED reliability for fibre-optic communications 2−2811
MoS_2:P films for LSI appls. 2−14914
Na/S batteries, state of development and prospects 2−12795
PtSi-Ti/W-Al metallisation system, reliability in bipolar logic devices 2−14984
Ru-based, thick film resistors, reliability evaluation, third harmonic index meas. 2−19994
SF_6-gas circuit breakers, 10000 operation field experience *(Japanese)* 2−12740
Si solar cells with plated Ni-Cu metallisation system, reliability 2−23510

reliability theory
see also statistical analysis
1-server n-unit system with service facility subject to down time 2−19047
analysis procedures for utility power plants 2−17866
asymptotic time to failure of a bundle of fibers with random slacks 2−4761
automated system reliability indices optimisation by effective service strategies *(German)* 2−8321
availability of periodically tested stored items, effects of imperfect testing 2−145
Bayesian methods examination 2−8304
component failures, fundamental renewal equation, numerical deconvolution 2−24021
computer network topological design, reliability indices 2−21587
control and meas. system distribution function 2−8215
data estimates, comparisons and appls. 2−143
data handling process in case of random failures, optimal control 2−8308
decomposition approaches to large-scale multiobjective reliability design 2−4682
electric power generation book 2−23872
Electricite de France, SRDF reliability data collection system 2−17889
electronic device lifetime model, use in accelerated life tests 2−8320
estimation of reliability from the results of truncated observations 2−8309
four-moment reliability analysis for static and time-dependent problems 2−13306
gas turbine combined-cycle plants, thermomechanical component reliability prediction procedures 2−18037
gas turbine combined-cycle plants, thermomechanical component reliability forecasting methods, development and validation 2−18038
goals for systems, allocations 2−13307
industrial systems involving maintenance and repair, computer simulation 2−4752

reliability theory continued
interval reliability of a redundant system 2−19048
life testing, moments in terms of the mean residual life function 2−19042
local optimality theorem *(Japanese)* 2−13315
logic protective networks which include dynamic redundant systems, modelling 2−140
m-out-of-n: G redundant system anal. 2−8306
maintenance, system diagnostics, statistical prediction of parameters *(French)* 2−13248
modelling, dormant faults with and without common elements 2−4687
MTTF calc. method 2−133
multivariate classes of life distributions 2−135
negative exponential distrib. characterisation 2−8531
network reliability, optimum allocation *(Chinese)* 2−13905
power plant design, anal. techniques 2−3820
power system reliability, discrete convolution 2−22819
power systems under uncertainty, availability and reliability anal. 2−3723
predictability, data ensemble problem 2−141
prediction limits for the last failure time of a (log)normal sample from early failures 2−19043
preventive maintenance optimisation, parametric models for small samples 2−13246
renewal process mean lifetimes 2−8326
renewal processes, alternating, stochastic comparison 2−136
risk and reliability calcs., pitfalls 2−13308
serviceability of technical systems, estimation 2−8302
shock models with phase type survival and shock resistance 2−137
single unit system with regular and emergency orders and general life times, optimum ordering policy 2−8319
structural adaptation of a two line queuing system/ with an auxiliary device 2−130
system reliability engineering, US nuclear industry perspective 2−7641
technical system with various functions, probability approx. 2−13309
telecommunication system connection reduction without loss of availability by facility grouping *(Croatian)* 2−26194
two identical unit redundant system, availability anal., n-mutually exclusive failure modes, common-cause failure 2−8315
two non-identical three-state units redundant system with common-cause failures and one standby unit 2−8317
two-lift problem, repair-time distribs. 2−8532
two-unit parallel redundant system with bivariate exponential lifetimes, light maintenance 2−8316
two-unit standby redundant system with switchover time parameter generation using pseudo semi-Markov process 2−8318
two-unit system with imperfect switch 2−19046
use of rank order distributions for the estimation of the probabilities of rare events 2−4686

reluctance motors
asynchronous performance of a modern reluctance machine 2−23281
axial air gap variable reluctance motor, convertor-fed, tests 2−4057
convertor-fed, direct simulation using magnetic equivalent circuits 2−12630
design, nonlinear programming 2−27885
development of a unified series of controlled induction and synchronous reluctance motors 2−4064
EM acoustic noise meas. 2−4069
hybrid with double salient air gap, design principles 2−4066
hypocycloidal reluctance motor, high torque low speed appls. 2−12610
with identical double slotting, static mean torque calc. 2−4065
interleaved disc, experimental study 2−4070
interleaved disc, torque parametric study 2−4067
invertor drive, performance anal. 2−833
invertor-driven drive, microprocessor control and system response 2−18646
magnetic field and transient calc., conf. at Athens, Greece (1980) 2−23240
mathematical modelling of AC-type hybrid step motor 2−4253
self-starting reluctance motor design 2−23270
shaded pole, spatial harmonic calc. 2−4256
single-phase switched reluctance motor drives and motor construction 2−18644
star connected multipole four phase, microprocessor controlled system 2−23280
stepping motor minor-closed-loop-control for high speed positioning 2−12670
stepping motors precise linear incremental displacement using a helical reluctance motor 2−12678
switched reluctance motors for traction drives 2−4068
synchronisation without pole-slipping, use as positional stepping motor 2−12628
variable reluctance motor, pulsed power supply control, power convertor 2−23278
variable reluctance motors with a disc rotor with electronic commutation 2−4073
variable-reluctance stepping motor nonlinear programming design 2−23323
VRVM with slotted poles, performance anal. 2−4071

remanence
see also coercive force
acicular particles, coercivity and packing density 2−15210
bubble devices with Permalloy overlays, magnetization processes 2−15233
flux density, meas. procedure for ring specimens in audio freq. range 2−11596
magnetic tape, gyromagnetic remanence and anisotropy 2−20513
Permalloy overlays, remanent states formation 2−15223
permanent magnets, anisotropic, force anal. 2−15104
rock, gyromagnetic remanence and anisotropy 2−20513
Co-Cr sputtered layered media, optimisation for areal density 2−15194
Co-P magnetic electroless thin films, effective life 2−20481
CrO_2 particles, mag. props., mag. tape appl. 2−15184
Fe particles, mag. props., mag. tape appl. 2−15184
Fe-B(-Ni) based metallic glass, amorphous ribbons and toroids, pulse magnetisation losses 2−15112
Fe-Ni-Al alloy YuND4 magnets, cooling rate rel. to mag. props. 2−15129
Fe-Si (3 wt%) sheets, grain oriented, remanence theory in presence of external stresses 2−15115
$(Fe_{0.82}B_{0.18})_{0.9}Tb_{0.05}La_{0.05}$, amorphous and crystallised, mag. props. 2−9850

remanence continued
γ-Fe_2O_3, acicular, prep. with antisintering agents, mag. and rheological props. 2−15106
γ-Fe_3O_4 particles, mag. props., mag. tape appl. 2−15184
remanent magnetism *see remanence*
remote consoles
avionic systems, high-integrity 1553-biased avionic types, LSI bus interfacing chips 2−22637
home working with remote terminals, prospective benefits and pitfalls 2−6608
nuclear power plant simulators, human factors design of instructor's console 2−23033
remote control *see telecontrol*
remote control equipment *see telecontrol equipment*
remote metering *see telemetering*
remote sensing
see also infrared imaging; remote sensing by laser beam
aerial surveys, statistical scale-up estimators for surveys where detect. and classification errors exist 2−12064
airborne thermographic surveys, with economical data acquisition 2−3077
American navy EW and C^3CM 2−2167
equatorial Atlantic Ocean, comparison of satellite and ship data on surface water temp. 2−12086
atmosphere, equatorial, radio refractivity meas. over south Arabian Sea rel. to airmass moisture charact. 2−3602
atmosphere clear air turbulence, Doppler-radar meas. at 1290 MHz 2−7432
atmospheric gas detection, wedge absorption remote sensor 2−12076
atmospheric passive microwave meas., absorpt. of microwaves by cloud and rain 2−3601
climate research, remote sounding of atmosphere and ocean 2−3585
clouds, automatic tracking technique appl. to GOES and METEOSAT obs. 2−7435
coherent imaging radar systems, scatterometer appl. 2−16506
data collection platforms for local Earth data transmission to satellites, problems *(German)* 2−22191
digital video bandwidth compression using block truncation coding 2−15942
Earth's atmosphere, advanced instrumentation for remote sensing 2−22721
Earth-atmosphere IR background radiation, meas. from balloon-borne staring sensor 2−27267
EM scattering processes, optimal polarisation concept 2−17557
energy audits using building thermography, USA programs overview 2−3080
European Remote Sensing Satellite, slotted waveguide array antenna 2−6368
fibre optic scanners 2−11492
forests, classification using LANDSAT-D Thematic Mapper data 2−7450
geological studies, examination of reduction of satellite magnetometer data 2−17552
HF propagation over sea ice, remote sensing possibilities 2−2138
high resolution near mm-wave imaging, segmented aperture approach 2−22166
International Geoscience and Remote Sensing Symposium, Washington, DC, USA (1981 June 8 to 10) 2−3590
IR surveillance using quantum-noise-limited signal processors 2−7040
Landsat, reception and processing of multi-optical scanner data *(Japanese)* 2−12093
LANDSAT MSS data, geometric correction, land cover classification and change detection 2−27263
LANDSAT multitemporal data, environmental change monitoring system 2−7412
Linear Array Pushbroom Radiometer, three band, charact. 2−3165
machine processing of remotely sensed data, conference, West Lafayette, Indiana (1981 June 23 to 26) 2−12066
microwave '81, conf., Amsterdam, Netherlands (Sept. 1981) 2−23888
microwave instrumentation for Earth satellites, advances 2−27266
microwave radiation of water surface, dielectric property variations influence 2−26948
microwave scatterometer *(Japanese)* 2−3578
microwave signals reflection from sea surface, artificial antennas synthesis 2−3624
MM-wave airborne imaging system at 140/220 GHz 2−22165
MM-wave forward-looking imaging radiometers, appls. near Earth's surface, multibeam sensors 2−7451
modular optoelectric multispectral scanner system 2−17540
pre-monsoon squalls, 1975 to 1979, over Dum Dum, significant charact. of radar echoes 2−3603
multispectral scanner test-bed aircraft system, radiometric performance 2−3545
ocean acoustics, environmental depend. of detection conditions, prediction *(German)* 2−12084
ocean technology electronics, conf., Birmingham, England (Sept. 1981) 2−18865
oceanographic, drifting buoy observations using satellite telemetry 2−22735
operative position finding, artificial satellite appls. in navigation, geophysics and surveying, dist. meas., radio interferometry *(German)* 2−17455
optical data links, using remote sensors for high-hazard areas 2−26491
orbital image sensor geometry, simulation program 2−12063
passive surveillance using IR radiation, IRS-700 example 2−2833
photoelectric circuit for remote sensing lateral position indicator 2−3157
radar backscatter meas., X-band FM/CW, North Sea Platform Noordwijk project 2−27281
radar scattering from rough surfaces, vegetated areas, conf., Alpbach, Austria, 1981, Mar. 2−18868
radiometer, ratioing, reflectance and radiance meas. 2−12068
rainfall, relation of radar estimates to satellite-based thunderstorm intensity 2−7434
remote-sensing technology status, review 2−3589
SAR imagery of ocean waves 2−6854
satellite scanner data, Landsat/NOAA intercalibration 2−17539
scatterometer system operation, development 2−17589
sea-ice microwave signatures, simultaneous scatterometer and radiometer meas. 2−27282
sea-state, surface current and surface wind surveillance, by decametric radar 2−22736
side-looking airborne radar system for remote sensing Earth resource s 2−3586
remote sensing continued
SLAR imagery of sea, tidal patterns and currents obs. and bathymetry 2−7445
snow cover meas. in mountainous area by gamma-ray surveying 2−17573
soil moisture estimation, appl. of aircraft active microwave meas. 2−3622
soil moisture microwave remote sensing, dielec. const. depend. on H_2O content 2−17179
space-enhancing technological leadership, conf., Boston, MA, USA, (Oct. 1980) 2−8159
Spacelab I, Metric Camera and Microwave Remote Sensing experiments 2−17447
stratosphere, IR heterodyne remote sounding, inversion technique 2−12069
surface scatter model theories, review 2−15714
synthetic aperture radar, spacetime for planetary geodesy and navigation 2−22646
synthetic aperture radar image, two dimens. image spectrum determ. method 2−2819
temporal thermal IR images, temp. change pattern removal *(Japanese)* 2−17588
thunderstorm electricity [measurement and techniques] monitoring 2−3607
thunderstorms, relation of satellite-based intensity to radar-estimated rainfall 2−7434
NO_2 remote monitoring by differential absorpt. using optical fibre link 2−3592
remote sensing by laser beam
aerosol, particle size evaluations using multiwavelength extinction meas. 2−27269
aerosol plume dispersion over sea surface, remote meas. using DFVLR Minilidar 2−3638
altimetry, anal. of target signatures for short pulse laser altimeters 2−27260
atmosphere, advanced instrumentation for remote sensing 2−22721
atmosphere remote probing using CO_2 DIAL system 2−3633
atmosphere temperature and humidity meas. using remote tunable IR lidar 2−7429
atmospheric diagnostics by lidar 2−3612
atmospheric gas remote meas., laser appl., Raman reson. diffusion method *(French)* 2−22750
chlorophyll a, laser-induced Raman backscatter and fluorescence 2−7439
fluorophores in surface waters, laser fluorosensor meas. 2−3632
handbook of semiconductor laser diodes and appls. 2−8142
laser radar and appls., review 2−11122
lidar mobile system for environmental probing 2−21871
ocean water, tracer dye detect. with fluoresc. lidar system 2−17570
PADAR: photo-acoustic detection and ranging−a new technique for the remote detection of gases 2−27300
plume dispersion over sea surface, remote meas. using DFVLR minilidar 2−17583
pollutant cloud mass conc. meas. using three-wavelength lidar method 2−17584
range finding technique, using laser spot scanner and solid-state image sensors 2−16512
remote-sensing technology status, review 2−3589
satellite laser ranging, appl. to geodynamics research 2−7428
satellite laser ranging, performance and results of ranging station at Kavalur, India 2−3574
simulated ILS using laser tracker 2−22626
smoke plume, airborne lidar meas. of plume distrib., vertical transmission and particle size 2−27270
thermal imaging, reconnaissance and surveillance appls. 2−3069
wind velocity in troposphere and stratosphere, remote lidar meas. 2−3591
HF gaseous concentration meas., CW He-Ne laser appls. 2−25880
NO_2 profile in stack plume, remote meas. by differential absorpt. LIDAR *(Japanese)* 2−22746
repackaging *see packaging*
repeaters
90 Mb/s 16 QAM digital radio repeater design 2−6766
560 Mbit/s regeneration comparator, for the SPCT560 transmission systems *(French)* 2−16321
565 Mbit/s transmission system, multiplexing, regenerating and fault-locating techniques 2−6685
565 Mbit/s transmission system development on 2.6/9.5 mm coaxial cables 2−6686
800 Mbit/s digital transmission system over coaxial cable 2−6535
800 Mbit/s repeater, circuit design 2−6536
automatic line equaliser down to 0 dB loss, approx. mathematical model, digital communications appl. 2−2652
broadband submarine coaxial cable repeater, 10800 channel capacity *(Japanese)* 2−21716
buried containers for line transmission repeaters, leakage computation 2−16311
cable digital transmission techniques, repeater spacing *(German)* 2−10756
community repeater site management for land mobile radio system 2−10987
composite voltage repeaters 2−14262
digital coaxial systems, max. achievable repeater spacing 2−6736
digital optical repeater, extremely wideband, input stage *(German)* 2−16457
digital signal repeating using digital feedback *(Czech)* 2−16316
IC regenerator, capable of operation in 2 to 320 Mbit/s range 2−21853
injection locked semiconductor laser used as repeater in 1.51 μm monomode fibre link 2−26497
jitter accumulation in PAM data transmission systems, timing cct. equivalence to low-pass filter 2−10846
line code selection for PCM transmission via coaxial cable, five stage code *(German)* 2−10641
line equipment PCM 30/II for radio link system *(German)* 2−16352
microwave radio relay links, site surveying in post-planning phase, repeater stations, propag. paths, TV/telephony appls. 2−16351
passive components for 140 MHz submarine cable repeaters *(Japanese)* 2−21722
PLLs with integrating and non-integrating loop filters for timing recovery in repeater chains 2−19594
regenerative repeaters for PAM system, jitter accumulation analysis 2−10618
satellite repeater system coded and uncoded performance, cumulative hardware distortion effects 2−2758
synchronous satellite repeater, JTIDS capability extension 2−11046

repeaters continued
TN 2700 carrier telephony system, unattended repeater station, construction and elec. parameters *(Polish)* 2−16313
TN 2700 carrier telephony system, unattended repeater stations, automatic level control ccts. *(Polish)* 2−16314
UK 70 cm repeater network development, radio amateur appls. 2−6778
undersea optical fibre transmission system technology 2−2809
undersea optical repeater, 1.3 micron, 400 Mbit per sec., sea trial 2−16462
wideband 140 MHz submarine cable repeaters using semiconductor devices and hybrid ICs *(Japanese)* 2−21721

replica techniques
No entries

report generators
business project control, critical path program package 2−66

reproduction (copying)
see also photocopying; printing
electronic transcribing of Super 8 film onto video tape, Grundig system *(Italian)* 2−21973
electrophotography, basic equations of electrostatic fields in reversal development 2−21047
xerography, laser scanning system appls. 2−2070

research and development management
aerospace industry, ESA cost incentives policy in development contracts 2−29
ATE information services survey 2−18930
Battery Energy Storage Test Facility development 2−12778
Canadian electric utilities, R&D trends 2−3662
Canadian National Fusion Program development 2−12345
Czechoslovakia, role of leading centres of scientific and technological development *(Czech)* 2−13213
Czechoslovakia Power Res. Inst., research programme for 7th five year plan 2−13212
Deutsche Bundesbahn's research and development activities *(German)* 2−23710
economic analysis of development projects 2−30
electric utility generation expansion model for use in research and development planning under uncertainty 2−27437
electrical engineering sector, UK 2−18917
electro-optic technologies, product growth cycle 2−25549
energy problem and lack of industrial innovation in N.America 2−12327
energy research, development and demonstration in IEA countries, 1980 review of national programmes 2−23881
energy resource development systems, dynamic linear programming models 2−17805
EPRI nuclear safety and analysis research programmes 2−12393
French Telematique programme for integrated telecommunications strategy 2−21617
future of cryogenic technology in india and role of engineers 2−8199
geothermal resources, policy analyses for infant technology 2−12517
German terrestrial photovoltaic activities status 2−12889
information within single R&D location, role of gatekeepers and project supervisors 2−34
laboratory design and construction 2−18921
leadership styles and planning and monitoring techniques in R&D 2−4598
Navy machinery testing and monitoring, R&D approach 2−22142
Nimrod Airborne Early Warning aircraft avionics 2−8190
patentable invention identification and protection 2−23935
perspectives on state and federal roles in the development of alternative energy sources 2−13221
photovoltaic cells, research and development trends in France *(French)* 2−23479
physical equipment, project management 2−4599
power engineering research in the USA 2−22770
power generation pulverised coal technology improvement, funding methodology 2−27603
power research in Czechoslovakia, work of Power Research Institute till year 1990 *(Czech)* 2−13211
power system development cost estimate calc. and final design value incorporation *(French)* 2−27423
productivity growth rate reductions in the US, discussion 2−8185
radioastronomy developments, economic effects 2−18925
ranking of extension alternatives of R&D projects 2−18931
realignment of R&D organisation, case example 2−23933
research project management techniques 2−23930
resolution of the All-Union scientific and technical conference on system studies in power engineering 2−12124
role and problems overview 2−4595
role of interpersonal communication 2−18927
satellite power system concept development and evaluation programme, in USA 2−27830
scientific research and development and quality assurance 2−4596
scientific-research organisations, planning and management, matrix methods 2−23939
solar power developments in Switzerland, KNS activities *(French)* 2−3830
space power research and technology at NASA 2−18418
statistical testing of hypothesis 2−13209
subjective data acquisition, unified approach 2−23932
synthetic fuels, R&D efforts, Hawaii 2−17814
systems approach to management setting of objectives 2−31
technology transfer and applications 2−18926
telecommunication development project, computer support service MSSS 2−26175
Tennessee Valley Authority decentralised energy system planning and development 2−22864
university and industrial research department connections 2−23915
US engineering schools research and teaching practices comparison with European equivalents *(Italian)* 2−23904
US photovoltaic industry, government-industry relationships in technology commercialisation 2−23434
videotex service technology and application strategy 2−16138
vLSI development for research and teaching *(German)* 2−13175

reservation computer systems
see also transport computer control
airline reservations using conversational mode speech understanding system 2−10670
Starswitch/Starcall satellite switched telephone network for reservation appls., microprocessor system 2−16427

residual stresses *see internal stresses*

resins *see polymers*

resistance, electric *see electric resistance*

resistance coupled amplifiers *see d.c. amplifiers*

resistance furnaces
No entries

resistance noise *see thermal noise*

resistance thermometers
Allen-Bradley resistors, resist. creep at low temps. 2−22226
calibration, based on Ge and composition carbon 4.2 to 0.5K 2−3121
correcting dynamic characteristics at thermometer probes *(Polish)* 2−11451
cryogenic resistance thermometer, based on Cu-Ni-Fe-Mn alloy, 4.2 to 120K 2−16940
fast-response temp. sensor for hostile environment 2−16961
linear transducer for conversion of thermometer signal into equiv. voltage single-chip implementation *(Russian)* 2−3138
portable digital thermometers, structural design problems *(Russian)* 2−11441
semiconductor, 0.02 to 300K 2−11455
SOS, for small sample low temp. calorimetry 2−22255
thermistor resistance conversion to voltage, using stable current generator 2−16953
thermoelectric graft type, for accurate meas. of melting pt. *(Japanese)* 2−11652
Au semitransparent film as surface heater and resistance thermometer, nucleate boiling appls. 2−3141
C resistance thermometer, electron tunnelling 2−22258
Cu-Ni base resistance thermometer 2−26822
Pt, calibration between 13.81K and 273.15K, interpolation methods 2−11321
Pt, oceanographic research appl. 2−7444
Rh-Fe resistance thermometer, low-temp. appls. *(Chinese)* 2−11434

resistance welding
3-phase supply operational advantages 2−23823
HF, advances in semiconductor technology and welding equipment manufacturing trends 2−23811
method for the smooth regulation of power sources including longitudinal-capacitive compensation 2−28273
Ramco Micro Weld 100 controller for improved efficiency 2−23822

resistivity *see electrical conductivity*

resistors
see also photoresistors; posistors; thermistors; thick film resistors; thin film resistors; varistors
cermet resistors, zero temp. coefficient by annealing 2−19896
chip components for printed circuits *(German)* 2−14307
chip resistor, evaluation 2−24737
chip resistor design, flat and cylindrical, carbon film resistor replacement 2−5367
controlled resistors, active network implementation using analogue multipliers and controlled sources *(French)* 2−14212
current-sensing resistors for electron beam yoke drivers, temp. control system 2−14249
DC effect on spuriously generated third harmonics 2−9241
distributed RC structures transfer behaviour *(German)* 2−19517
electronic components, instruments and troubleshooting, book 2−4572
equilibrium resistance fluctuations 2−962
impedance meas., automatic production testing requirements 2−4643
ion implantation in microelectronics, bibliography 2−23878
ion implanted, in LSI technology, resistance temp. coeff. control 2−5777
metal-film, production testing using fast microproof test set 2−13268
nonlinearity meter, based on difference-frequency method 2−24736
parasitic reactance effects, on resistor performance, measurement techniques 2−7183
power transmission series capacitor protection by metal oxide resistor 2−17775
standardisation of graphical symbols *(Czech)* 2−5374
technology development in India 2−14309
trimming, poly Si, laser processing research at Texas A&M University 2−9543
tuning resistor of constant internal inductance *(Polish)* 2−9243
water rheostat for shipyard use as test load 2−9245
wirewound power resistor manufacture, protective coats based on phosphate binding agent *(Polish)* 2−960
wirewound resistor manufacture, glaze prep. and coating methods *(Polish)* 2−959
C film and metal film, technology trends, present status in India 2−14310
Cu/ceramic bond for making cermet resistors on metallised ceramic substrates 2−20009
Ni-Cr foil resistors, temperature drift cancellation 2−9240
poly-Si on SiO_2, laser recrystallised for high performance resistors 2−9242
Si, polycrystalline, electrical characteristics rel. to thermal treatment *(Russian)* 2−5370
Si, polycrystalline, resistors, manufacturing process 2−5369
Si, polycrystalline, resistors fabrication, O_2 implantation for temp. coeff. optimisation 2−25335

resolving power (optical) *see optical resolving power*

resonance
see also circuit resonance; cyclotron resonance; dielectric resonance; magnetic resonance
acoustic waveguide, trapped mode resonances rel. to open volume quasi-mode excitation 2−10543
loudspeaker diaphragm resonances 2−16711
nonlinear resonance system, parametrically excited by random force, statistical characts. 2−19102
third-harmonic emission at a two-photon resonance/ by focused beams/; optimum conversion conditions/ 2−2018

resonant absorption of gamma-rays *see Mossbauer effect*

resonant cavities *see cavity resonators*

resonant cavity wavemeters *see wavemeters*

resonant gamma-ray interactions in crystals *see Mossbauer effect*

resonators
see also cavity resonators; crystal resonators; resonance
circular disk resonators on ferrite substrate 2−24660
dielectric resonator on dielec. substrate, reson. freq. stability 2−5337
inductive rod in uniformly bent waveguide, analysis 2−10544

resonators continued
microstrip attenuation and open-circuit termination loss, simultaneous meas. 2−26946
microstrip circuits coupled to dielectric resonators, anal. 2−24657
microstrip on magnetised ferrite-substrate, meas. of dispersion characts. *(German)* 2−24650
microstrip ring resonators, CAD based on waveguide model 2−24682
microwave, from simulated hailstones in an open resonator 2−3261
microwave dielectric resonators: past, present, and future 2−9216
MM-wave quasi-optical power combiner using open resonators 2−24687
Q-factor, relationship with resonator geometry *(Russian)* 2−24665
quarter-wave long composite ferrite/dielectric resonator for use in waveguide circulators 2−926
rectangular dielectric resonator design, for high-filtering functions in microstrip circuits using TI-59 calculator 2−5343
sectional dielectric resonator, with thermal compensation, approx. analytical soln. 2−19852
shielded dielectric ring- and disc resonators, resonant freqs. and fields *(German)* 2−19845
slot line wavelength and dispersion measurements, using slot ring resonator 2−17111
strip line, meander type, using surface spin waves 2−930
waveguide-dielectric resonator, amplitude-freq. charact. by method of multiple reflections *(Russian)* 2−24664
waveguide-dielectric resonator with complex boundaries separating dielectric medium, wave scattering at interface *(Russian)* 2−24663

restriking voltage
see also switchgear
No entries

retail data processing
see also point of sale systems
EFTS requirements of 'teleshopping' viewdata services 2−10826

retrieval, information *see information retrieval*

reverberation
see also anechoic chambers; architectural acoustics; echo
analog reverberation unit for Hi-Fi systems, amateur constr. 2−22027
digital echo, reverberation and chorus equipment *(German)* 2−16708
electronic, Hammond organ appl. *(Italian)* 2−16687

reverberation chambers
radiated power of transmitting equipment, evaluation 2−21213

reviews
see also Bibliography Index (special index bound with Author index)
16-bit microprocessors, review 2−19706
AC drive technology 2−18654
AC drives, adjustable speed, technology status 2−28147
AC losses in superconducting magnets 2−1662
AC-type plasma displays, technology, characts. 2−22330
acoustic tensometry, methods and apparatus 2−5046
acoustic waves in piezoelectric crysts. for freq. control and signal processing 2−1510
acousto-optics potential in instrumentation, overview for 1980s 2−6071
adaptive optics, conjugate wave generation physics 2−15558
adaptive optics, state-of-the-art report, atm. turbulence and thermal blooming correction 2−15550
AGC, general theory, loop gain, loop parameters rel. to output level stability, equiv. cct. 2−9006
amorphous alloys, recent studies *(Japanese)* 2−15130
amorphous alloys, supercond. props. 2−15239
amorphous magnetic ribbon, manufacture, props. and appls. 2−15135
amorphous semiconductors, photolithogrpahic processes 2−20337
amorphous semiconductors aspects of basic physics researches 2−25019
amorphous Si electronic devices, book contrib. 2−25258
array radars 2−26533
artwork generation, review of development from manual to automated techniques 2−14393
as-built nuclear power plant buildings, dynamic testing 2−12353
Association of Electrical Engineers in Poland, activities in field of electrical installation and plant *(Polish)* 2−8214
atmospheric diagnostics by lidar 2−3612
audiometers, bone-conduction, calibration survey 2−17339
automatic electronic equipment test apparatus, technological evaluation, market trends *(Italian)* 2−22058
automatic synthesis of digital systems 2−5066
AXE 10 system for digital telephone networks *(Czech)* 2−16285
bioelectronics development *(Finnish)* 2−17321
biological effects of power freq. fields, literature survey including work in West and USSR 2−12221
biomedical engineering, coherent optics and holography appl. 2−22518
biomedical engineering, priorities for research in external aids 2−17421
biomedical radiotelemetry of direct blood press. 2−22535
bipolar ICs, VLSI, new potentials reviewed *(French)* 2−14982
bispectrum and higher-order spectra, bibliography 2−6452
bistable optical devices using Fabry-Perot interferometer, communication and processing appls. *(Spanish)* 2−20956
brainstem evoked response audiometry, technical aspects of stimulation, recording and signal processing 2−11934
British, French, Canadian systems comparison *(German)* 2−16123
British Post Office, 25 year period 2−15982
broad-range particle spectrograph 2−3428
broadcast engineering in 1980s, Japanese view 2−2877
broadcasting, new technology impact *(German)* 2−26594
bus operation in London, planning for rising full costs 2−18722
CAD/CAM systems used for PCBs 2−19950
car electronics, integrated microprocessor-controlled systems 2−23714
cardiology, adaptive filters appl. 2−7333
ceramic materials, for German solar tower power plant 2−3971
chalcogenide glasses, review of studies at Ioffe Physical-Technical Institute, USSR 2−25004
chemical lasers, pulsed and continuous, new results and ideas from Lebedev Institute 2−20929
circuit layout CAD 2−5068
clear air radio propagation 2−10487
cochlear implant prostheses: strategies and progress 2−17418
colour centre tunable laser development 2−20856
combustion diagnostics, by spatially precise laser techniques 2−10407
common mode meas. compensation between equipments under test and measuring apparatus *(German)* 2−11330
compressed gas insulated systems, surface flashover of spacers 2−1500
compressed-gas insulated systems, particle-contaminated gas breakdown 2−1501

reviews continued
computer control systems for electric power networks, state-of-the-art 2−12145
computer networks *(French)* 2−16019
computer-aided dispatch for electric power systems 2−7518
computerised tomography, future 2−3476
computerised tomography, review of the past and present, perspective of the future 2−17362
computerised tomography scanner principles, reconstruction technique and detectors *(Japanese)* 2−11904
CRO technology, characts. *(German)* 2−22300
cross polarisation on microwave links during precipitation 2−10493
CRT displays, technology, appls. 2−3071
cybernetic limb prosthesis, historical development, current status and future prospects 2−22569
Darlington compound transistors, using MOS and bipolar devices, transistor characts. *(French)* 2−14842
data acquisition components and systems, recent developments 2−16875
data communication, national requirements and international standards for Sweden 2−6629
data communication systems, performance evaluation 2−26284
data communication techniques, trends, digitalisation of telephone network, LSI appls. *(Japanese)* 2−16007
data communications in an integrated services digital network 2−6533
degradation processes in semiconductor lasers 2−1956
detector receiver to Hi-Fi stereo unit *(German)* 2−16728
detectors, p-i-n and avalanche photodiode, for 1.1 to 1.6 μm operation, state of the art 2−7108
diagnostic imaging, technical trends 2−17361
diathermy and cautery equipment 2−11949
digital audio disc systems, using laser pickup sensors *(German)* 2−26684
digital coaxial cable system (LD-4), fault location and restoration 2−6534
digital electronic displays, construction and operation review 2−17049
digital PLL 2−24458
digital satellite communication technology review *(Italian)* 2−21769
digital systems testing 2−5787
digital transmultiplexing, comprehensive survey of known methods 2−15969
disc file manufacturing innovations, review 2−20499
discharge lamps, Na, high-pressure, 1950s to 1980s developments review 2−4455
discharge lamps, Na, low pressure, 1932-1980s development review 2−4454
discharge lasers, pulsed electron beam control *(Rumanian)* 2−15459
display devices materials and technology *(Japanese)* 2−11548
ECG recorders of the Holter type, continuously worn machines *(French)* 2−7332
eddy current testing, history, present status and future development 2−8924
EEG, 14 and 6 s^{-1} positive spikes 2−22554
electric drive, engineering development trends *(German)* 2−12968
electric light bulb industry in USSR, historical review *(Russian)* 2−4450
electric ship propulsion, technology development 2−13038
electrical DC parametric testing in semiconductor industry 2−5757
electrical engineering in medicine, prospectives *(Slovenian)* 2−27106
electro-optic devices in dielectric waveguide 2−24648
electro-thermal filter networks, using sensors, heaters *(German)* 2−19777
electroacoustic transducers, development, operational use and parameter meas., calibration *(German)* 2−7459
electroluminescence high field 2−6109
electron cooling, principles and fundamental props., book contrib. 2−17217
electron tubes, technological survey 2−14546
electronic components integral nonlinearity diagnostics 2−68
electronic display technologies for telemetry data presentation 2−16111
electronic packaging evolution in IBM 2−18997
electronic radiography in X-ray diagnosis/ during surgical procedures/, dose reduction 2−3464
electronic speech synthesis, principles, technology, appls. *(Italian)* 2−21312
electronic warfare antenna systems, past and present 2−26033
electronics manufacturing industry in Ireland, review 2−13258
electrophotographic materials and phenomena *(Japanese)* 2−1678
ellipsometric configurations and techniques in semicond. characts. 2−17148
EMI generated by electronic equipment, shielding 2−25973
engineering materials, quantitative US eval. of mech. props., review 2−8879
enzyme electrodes as practical biosensors 2−17336
etching, film deposition, using plasma technologies *(Spanish)* 2−20344
evoked potential research, appls. of filtering and pattern recognition in signal processing 2−22559
evoked potential research, signal processing, averaging and modelling 2−11923
excimer lasers, diatomic and and triatomic, broad-band, electron beam pumped 2−20790
experiment planning methods in radio components development, review 2−4605
ferroelectric thin films, UHF dielectric props. 2−20458
fibre optic connector technology, current status review 2−5994
fibre optic detectors, design considerations 2−6835
fibre optic sensor systems, overview 2−1716
fibre optic systems, marine appls. *(German)* 2−6019
fibre optics appl. in NDT 2−6028
fibre-optic rotation sensor, toward an integrated device, review 2−1730
fibre-optic transmission techniques, digital and analogue systems 2−26517
filamentary A15 superconductors, developments in Japan 2−5918
filamentary A15 superconductors, developments in the UK 2−5920
flash unit, Braun F910, electronic, portable 2−13050
flat-plate collector technology for Si solar cell arrays, overview 2−23485
fluorescent dot-type indicator panels, technology, characts. 2−22328
free electron laser, nonlinear theory 2−25660
free electron lasers, recent advances 2−10184
free-electron lasers, classical electron generator advancement into short-wavelength bands 2−20772
fuel cells, development and appls., present status and future improvements *(Japanese)* 2−18461
fuel cells, regenerative systems state-of-the-art and developments for orbital energy storage applications 2−12840
function generators, review of modern commercial models *(French)* 2−24442

reviews continued
functional electrical stimulation for control of locomotor systems 2—17420
fusion-fission hybrid reactor design studies, overview 2—3860
gamma camera tomography 2—8152
gamma-ray laser developments 2—1829
gas electroluminescenct detectors for nuclear radiation 2—11805
gas electroluminescent detectors for nuclear radiation 2—17248
gas UV-visible laser development review 2—1915
geodynamics research, appl. of space technology 2—7428
geostationary communication satellites development, review *(German)* 2—11020
geostationary satellite orbit, access, progress report on CCIR studies 2—3535
graded index and monomode fibres for telecommunications 2—10052
ground integrity testing, problems, hospital appl. 2—3524
guided-wave acousto-optic devices and appls. 2—6072
guided-wave devices for optical communication 2—9985
gyrotrons, theoretical work review 2—14569
Hall-Heroult cells, with conventional and special electrodes, energy reduction 2—28095
hard permanent magnet development trends and their application to AC machines 2—15213
health engineering developments 2—22519
high beam-current accelerators, research program in US, review 2—3312
high intensity heavy ion sources, physics, chemistry and technology aspects 2—3350
high vacuum accelerator tubes, prebreakdown and breakdown processes 2—11733
high-current relativistic electron beams, interaction with plasma, microwave appls. 2—9364
high-density PCB manufacture, liquid negative working photoresists, state-of-the-art 2—5462
high-energy physics, worldwide organisation *(Dutch)* 2—3308
holographic grating development at Lockheed Palo Alto research laboratory 2—2046
holographic grating work of Stockholm Institute of Optical Research 2—2047
holographic interferometry studies of liq. diffusion *(Rumanian)* 2—10386
holography, historical development, overview *(Czech)* 2—25865
holography, theory and appls. 2—10378
Holter monitoring 2—7335
hospitals, the risk of elec. shocks 2—3523
hybrid IC technology, using thin/thick films 2—5480
hybrid ICs using thick-film and thin-film technology 2—5494
hydrocarbon liquids, electric breakdown process, review of expt. results 2—1489
IBM diskette and diskette drive 2—20498
IC design for testability 2—25326
IC technology, history and development 2—14919
IF and ICl interhalogens as visible oscillators or amplifiers 2—10204
II-VI semiconductors, slelf-compensation 2—9430
III-V semiconductor/oxide interface, chem. comp. and form., review 2—5700
III-V semiconductors, chem. mechanisms for cryst. growth using coordination compounds in MOCVD process 2—5020
imaging detectors for middle and far UV 2—11480
impedance plethysmography, overview of theory and appls. 2—11943
implantable electrical and mech. interfaces with nerve and muscle 2—17417
industrial microwave appls. *(French)* 2—23760
industrial robots 2—8263
inertial navigation systems, dry tuned gyro, laser gyro and strapdown technology developments 2—12030
injection lasers, threshold and oscillation, review of laser theory 2—25798
instrumentation and measurement systems, trends in development of electronic techniques 2—11335
integrated digital circuits with Josephson junctions 2—15270
integrated electro-optical light modulators *(Russian)* 2—1749
integrated monitors for neonatal intensive care 2—3504
integrated optics, leaky modes on waveguides 2—6036
integrated optics devices, fabrication technology 2—25542
integrated optics technology and appls. 2—1743
integrated-optics elements and systems 2—20684
ion beam lithography 2—25109
ion chamber for neutron dosimetry, book 2—13143
ion implantation, beam optics design, overview 2—1283
ion implantation equipment, post-implant methods for characterising doping uniformity and dose accurracy 2—5674
ion implantation in semiconductor processing 2—1286
ion implanted magnetic bubble devices, review 2—20542
ionosphere, scintillation modelling, review 2—12072
IR detectors, using bolometers, pyroelectric devices, photoconductivity devices 2—11491
laser, diode transmitter elements for fibre-optic communication systems *(German)* 2—21826
laser and microwave radar/, differences and similarities 2—2834
laser application in photobiology and photomedicine 2—17410
laser applications in biology and medicine, overview 2—11890
laser device technology, high energy, for military appls., overview 2—6176
laser processing applications in Si microelectronics technology 2—9542
laser radar and appls. 2—11122
laser research and applications *(French)* 2—15428
laser surface alloying, bibliography 2—2058
lasers, far-IR, CW optically pumped developments 2—20783
lasers, physical principles and historical review 2—10177
LED displays, summary of representative commercial and laboratory device performance 2—22334
LEP storage ring 2—3305
liquid crystal displays technology advances, time-division drive, temperature range 2—22321
luminescence investigations, vision research implications 2—28210
luminescence research 2—25601
LWR containment vessel improvement concepts 2—17903
magnetic ceramics, in 1980, adaptation of hard ferrites to evolution of market requirements *(French)* 2—13854
magnetic components for microwaves and optics 2—14295
magnetic disc file technology development 2—20496
magnetic liquids, mag. props. and appls. 2—15122
magnetic storage development by IBM 2—20495
magnetic tape subsystems, design innovations 2—20497
magnetic tapes, mag. props. of individual particles 2—15184

reviews continued
magnetically hard materials, test methods, review 2—7198
magnetics, interactive CAD 2—20492
magnetometry 2—22367
magnetostatic wave devices 2—15216
MBE, European developments 1979-80, review 2—8814
MBE, surface and kinetic effects 2—4985
MBE technology 2—13831
measurement systems, centralised data processing, equipment charact. *(French)* 2—11333
measurement transducers...past, present and future 2—3111
medical imaging methods 2—17345
medical imaging systems today and tomorrow 2—3463
medical X-ray TV, present development state and future prospects *(German)* 2—7319
metal detectors *(German)* 2—3116
metal-semiconductor contacts 2—20134
microelectronics, present and future *(Czech)* 2—9678
microelectronics electrostatic discharge effects and production ccts. 2—9752
microelectronics interconnection overview 2—14371
microprocessor chip development and application fields 2—5258
microprocessor chip evolution, advances spanning 4- to 32-bit levels 2—5243
microprocessor-based instrumentation 2—18825
microprocessors, 16-bit, review of available types, market trends *(German)* 2—14135
microprocessors, architecture, technology, appls. *(German)* 2—19712
microwave links, cross polarization during clear air conditions 2—10488
microwave power transmission components for solar power satellite 2—24656
microwave radiation, long term exposure, review of possible hazards and effects 2—17438
microwave radio relay links, site surveying in post-planning phase, repeater stations, propag. paths, TV/telephony appls. 2—16351
microwave radiotelephony, develop. 2—16365
microwave tubes, used for communications satellites, charact. 2—9367
MM-wave gyrotrons 2—14568
MO-CVD, in halogen transport systems 2—5016
MO-CVD, recollections and reflections 2—5014
modulation spectroscopy uses in semicond. characteris. 2—9397
MOS technology, review of evolution and current state-of-the-art 2—15022
MOSFET, ultrasmall, technology challenges, VLSI appls. 2—15013
MOST, developments, limitations *(Italian)* 2—20254
multi-colour vacuum fluorescent display tubes, technology, charact. 2—22326
multifilamentary A15 superconductors, development at Airco (USA) 2—9889
multifilamentary A15 superconductors, developments at IGC (USA) 2—5921
multifilamentary A15 superconductors, developments in Germany 2—5919
multifilamentary compound superconductors, development 2—5925
multifilamentary suepрconductors, in situ and powder metallurgy 2—5927
MW 1 to 500 kW transmitters, solid state component application *(Japanese)* 2—21925
near millimetre wave sources, gas phase approach 2—6149
NEC accelerators survey 2—11693
negative ion beams of rare and radioactive isotopes for tandem accelerators 2—11773
neural control prostheses, appls. in humans 2—17415
neural prostheses and microelectronics 2—17414
non-hydrogenous ionisation chambers, relative neutron sensitivity 2—11835
nondestructive testing methods, review 2—647
nonlinear echoes, phase conjugation, time reversal, and electronic holography 2—26118
nonlinear-optical frequency conversion, present state of research and development 2—20947
nuclear electric power for space systems, technology and flight systems program 2—17882
nuclear in-service inspection, metallurgical flaw detection methods 2—23019
nuclear plant decontamination methods 2—3854
nuclear plant decontamination methods 2—7635
nuclear power, world-wide use, long-term perspective *(German)* 2—23003
nuclear power plants' availability in 1980 *(German)* 2—17827
nuclear reactor, events resulting in shutdown and their causes 2—17884
nuclear track emulsions, short-lived particle detection 2—3417
OEM power supplies, higher efficiency, lower cost, developments review 2—28016
operational amplifiers *(Swedish)* 2—19558
operational amplifiers *(Swedish)* 2—19559
optical communication development in Germany *(German)* 2—2790
optical communication equipment *(Hungarian)* 2—21825
optical communication systems, development in fibre optic devices 2—26502
optical communication technology, available fibre-optic systems *(German)* 2—2791
optical data storage, recording materials, review 2—9968
optical fibre applications *(French)* 2—15311
optical fibre coherent transmission systems 2—6010
optical fibre development and splicing research in Japan 2—6001
optical fibre index profile meas., refracted-ray scanning method 2—15335
optical fibre telecommunication cable, past, present and future development at Bell-Northern Research 2—21843
optical klystron description and physical mechanism 2—1828
optical signal processing, review, spectrum anal., correl., ambiguity function computation 2—21374
optimal power flow 2—27330
optimisation techniques for IC design 2—5788
optoelectronic devices 2—25563
optoelectronics and display components, review of developments 2—22315
organic materials, development for electronic and electrical appls. *(Japanese)* 2—9825
organometallic growth, of II-VI compounds 2—570
OTS experimental programme, overview 2—11049
panel digital indicators *(French)* 2—17015
particle detectors 2—17279
particle induced X-ray emission anal. appl. to analytical problems 2—11882
patient monitoring systems: criteria for evaluation and selection 2—22527

reviews continued
PC master artwork production, technology 2−19951
PCB manufacture, subtractive, metal resist. semi-additive and multilayer techniques *(German)* 2−1037
PCB primary imaging, total aqueous developed dry film photoresists, costs and performance advantages 2−5463
PCBS, design and manufacture advances 2−14362
PCBs, UV curable solder masks, optimum performance attainment, review 2−14412
PCBs using precision photography, characts. technology 2−19976
permanent magnetic developments 2−5902
personal satellite communication via stationary and orbiting satellites, NASA systems *(Japanese)* 2−2742
photogrammetry, image correl. techniques and devices 2−3588
photographic image coherent and incoherent optical processing techniques 2−6475
photoluminescence and photolum. excitation spectroscopy characteris. of semicond. 2−9394
photooptical range instrumentation 2−7063
photovoltaic arrays, flat-plate design techniques 2−23550
photovoltaic devices, book contrib. 2−25628
photovoltaic energy effort in US 2−18546
photovoltaic industry overview: the results of a survey on photovoltaic technology industrialization 2−18595
photovoltaic systems, review of development and appls. 2−4364
photovoltaic systems design for residential appls. 2−23549
picosecond pulse generation, using semicond. lasers *(Japanese)* 2−20899
piezoelectric system: integrated piezoelectric instrumentation 2−1523
piezoelectricity history and applications 2−20453
planar integrated MM-wave components, survey 2−19875
plasma CVD technology, and appl. *(Japanese)* 2−8835
plasma displays, AC, DC, memory, refresh, types 2−22329
plasma high-rate sputtering methods and applics. in microelectronics, hybrid microelectronics and electronics 2−19450
polarised negative ion sources 2−11772
polyacetylene, elec. transport, mag. and struct. props., review 2−25039
polychlorinated biphenyls anal. of transformer oils using gas chromatography 2−18312
polyimide insulators for multilevel interconnections 2−14922
polymeric resist materials, recent developments 2−1274
power system stability problems *(Croatian)* 2−27375
power transistor development from early bipolar types to modern power MOSFETs 2−1356
pressworking processes for electrical industry *(Bulgarian)* 2−4645
process modeling of integrated circuit device technology 2−5786
programmable operational amplifiers *(Spanish)* 2−5129
public mobile radiotelephone system for province of Alberta, Canada 2−2700
pulse power conditioning systems, critical components 2−18347
pulsed US flaw detection, transducers, review of theory 2−646
pulsed-pump tunable lasers 2−20855
radiation therapy of malignant neoplasms, development trends *(Russian)* 2−22565
radiowave depolarization by atmospheric hydrometeors 2−10494
radiowave propagation in ionosphere, freq. dispersion during transmission and refl. 2−10477
rare earth Co permanent magnets, physical and optical props. 2−3320
rare earth-Co permanent magnets, applications, review 2−15205
rare earth-transition metal alloys, uniaxial ferromags., review 2−15109
RCA porcelain-enamelled steel PCBs, elec. props. 2−1039
rechargeable battery, solid-state, review of research 2−18430
reciprocal transformation of volume and SAW on periodically perturbed surface 2−1546
residual stress meas. by NDT 2−13873
RF surgery equipment, review of hazards 2−11950
RLC measurements, instruments and methods *(French)* 2−3190
rural communication, technical solns., general survey *(German)* 2−16026
satellite switched TDMA systems, onboard microwave switching techiques 2−2753
SAW chirp filters, signal processing appls., overview 2−1542
SAW device application to freq. synthesizers 2−1539
self-scanned image sensors, operation and review of currently available devices 2−7036
semiconductor, dynamic nonlinear optical processes, review 2−25827
semiconductor, high-resolution optical spectroscopy characteris., review 2−9395
semiconductor characterisation problems, chem. analysis techniques, capabilities and limitations 2−9538
semiconductor device fabrication, electron beam appl., lithography and annealing 2−20181
semiconductor devices, NDT 2−5051
semiconductor devices, submicron, modelling, conceptual problems 2−14822
semiconductor electronics, role of transistors *(German)* 2−14848
semiconductor laser applications in Japan for fibre communication and information processing *(German)* 2−25797
semiconductor logic technology in IBM 2−19625
semiconductor manufacturing in IBM 2−20218
semiconductors, hot electron effects in crossed mag. and static microwave elec. fields 2−24909
semiconductors, laser and electron beam processing 2−25125
semiconductors, oxide films, plasma growth, review 2−24335
semiconductors at IBM: physics, novel devices, and materials science 2−20054
Si thin solar cells 2−18535
solar battery, research and development trends *(Japanese)* 2−4355
solar cells, advanced, development progress 2−23524
solar cells, development review *(Croatian)* 2−28106
solar cells fabrication with unconventional Si materials 2−23518
solid electrolyte batteries, EEC research, review 2−12798
solid state electronic devices *(Japanese)* 2−9597
solid state track detectors 2−17287
solid-state electrochem. cells, electrode and interface reactions 2−12797
solid-state memory development in IBM 2−19664
solid-state microwave devices, recent advances 2−19878
Southeast Asian electronics industry survey 2−23973
space nuclear power, US flight safety process overview 2−7399
spectral analysis, prediction and extrapolation, appls. to EEG and evoked response 2−17381
spectrum analysis, discrete time series, review of techniques developed in last two decades 2−15909
reviews continued
speech digitisation and compression, high quality speech process 2−26099
speech recognition, state-of-the-art 2−15858
speech recognition and speech synthesis 2−21326
steam-side scale exfoliation in boiler superheater and reheater tubes, literature review 2−12486
steel, austenitic stainless, US detection and meas. of defects, literature survey 2−8855
steel, pressurised water reactor, review of AE appl. 2−8870
steel drum containers survey for radioactive waste *(Japanese)* 2−7627
steel industry, eddy current testing, present, past and future 2−8925
stereophonic broadcasting *(Japanese)* 2−2864
superconducting magnet suspension systems, levitation characts. calc. 2−28157
superconducting materials, advances and current problems 2−1598
superconducting microbridges, Josephson behavior, nonequilibrium theory 2−20596
superconductivity, high-current, problems and prospects, book contrib. 2−15278
superconductor, prep. and study, research activities at Electrotechnical Institute, Slovak Acad. of Sciences 2−9881
surface pressure meas. in wind tunnel model systems 2−17172
switch technology developments 2−988
switching system architecture, evolution 2−16261
telecommunication, British Post Office international service 2−15980
telecommunication, future developments, the next 25 years 2−15983
telecommunication network, inland, evolution 2−15979
telecommunication service, external plant and services 2−15981
telecommunications and society, the past 25 years 2−15978
telecommunications common-channel signalling, progress 2−16265
telephone instruments, payphones, and private branch exchanges, 25 year period 2−16030
telephone network, channel-associated signalling technology developments 2−16266
telephone network, FDM line and terminal equipment 2−16033
telephone network digitalisation 2−16032
telephone network signalling, develop. since 1956, towards advanced common-channel techniques 2−16263
telephone network transmission, historical overview 2−16031
telephone switching, control technology developments 2−16262
telephone switching system technology development 2−16264
telephone transmission equipment practice 2−16035
telephony, history, present status, and future of audio transmission 2−16034
television and radio transmitting equipment trends *(Japanese)* 2−21922
Telex service, automatic, 25 years of service 2−16073
temperature measurement synthesis *(French)* 2−17153
theoretical and experimental work at Moscow Power Institute in USSR 2−17853
thermal imaging via cooled detectors 2−22162
thermionic application for future Air Force space power systems 2−12943
thick film resistor networks, using metal glaze resistive material 2−5486
third-generation simulation techniques 2−5067
TN 2700 carrier telephony system, equipment design and production implementation *(Polish)* 2−16042
transducers, pressure, force, torque, acceleration, characts. 2−3112
transhorizon radio propag. phenomena 2−10489
transition metal oxides, amorphous, elec. cond. and electrochromic props., review 2−25010
transmission properties measurement of optical cables in telecommunication systems *(Czech)* 2−26503
TV broadcasting, microwave communication system *(Hungarian)* 2−6891
TV direct broadcast satellites, Delphi study views of experts 2−6897
TV in Brazil *(German)* 2−2857
underground power cables, forced cooling system *(Japanese)* 2−17726
vacuum fluorescent display devices, used for TV video images 2−22327
variable speed electric drives 2−4399
VHF/UHF computer-based propag. prediction program by Communications Research Centre in Ottawa 2−15689
video disk systems, RCA, JVC and Philips *(Spanish)* 2−16671
videotex display technology, immediate past and likely future 2−21518
viewdata, private systems 2−6560
VLSI, comparison of new technologies, possibilities and limitations 2−14926
VLSI circuits, CAD 2−5065
VLSI multilevel interconnect systems 2−9591
VLSI testing, conf. Philadelphia, PA, USA, October 27-29 (1981) 2−18875
VPE in China, review 2−24293
W-values relevant for neutron dosimetry 2−11828
water-cooled nuclear power reactors during 1979, steam generator tube performance 2−17883
wave power generation, hydrodynamic aspects 2−18059
waveguide optical components for integrated optical signal processing 2−10041
wood energy resource, availability, characts., conversion 2−22978
X-ray computed tomography, imaging, image reconstruction and equipment *(Japanese)* 2−11896
X-Y recorders, advancement in stability performance 2−17023
AlGaAs-GaAs lasers, MO-CVD grown, review 2−6217
$Al_xGa_{1-x}As$, OMVPE growth 2−4991
C stripper foils, radiation lifetimes and failure mechanisms 2−11745
C stripper foils made by DC glow discharge process, physical props. and structure 2−11744
CO_2 electron-beam-controlled discharge lasers 2−20797
CO_2 laser radar systems, range and velocity meas. 2−16514
Cu vapour lasers 2−15464
(GaAl)As injection lasers, mode locking study 2−10290
GaAlAs/GaAs, DH single-mode injection lasers for optical fibre communication 2−10399
GaAs LSI digital IC 2−15012
GaAs solar cells, status and prospects for space appls. 2−18536
GaAs-AlGaAs DH system, monolithic integration of optical sources and detectors, processing techniques 2−6035
GaAs-GaAlAs injection lasers, state of the art, operating parameters and limitations rel. to appls. 2−6223
$Ga_xIn_{1-x}As_yP_{1-y}/InP$ stripe lasers with chemically etched-mirrors 2−25785
$HgBr_2/HgBr$ dissociation lasers, performance status and underwater communication system appl. 2−15463
I photodissociation lasers for controlled thermonuclear fusion 2−20788

reviews continued
I photodissociation lasers, spectroscopy and primary processes in photolysis of iodides 2−25717
InGaAsP lattice, matched to InP, growth and charact. review 2−8812
InGaAsP long-wavelength laser devices, recent developments 2−10301
InGaAsP/InP Z 2−10399
InP MM-wave Gunn diode circuits, status and trends 2−946
Li anode battery systems, advantages and appls. 2−7971
Li anode primary cells, typical systems, appls. and comparison with other available batteries 2−4329
$LiNbO_3$:Ti guided-wave electro-optical devices for integrated optics 2−10078
Nd phosphate concentrated laser glasses 2−20863
Ni-Cd batteries 2−18453
Ni-H_2 battery system 2−17510
O_2, noninvasive transcutaneous monitoring 2−3457
O_2 sensor, development and use for steelmaking in China 2−11463
PbTe, surface space charge layer physics 2−9470
semiconductors, hot carrier relax., picosecond laser pulse studies, review 2−24984
Si, amorphous solar cells, state of the art review 2−23428
Si, current research trends 2−9410
Si, picosecond laser annealing 2−14797
Si, polycrystalline solar cells, effect of grain boundaries 2−23637
Si polycrystalline thin films, laser annealed, integrated circuit appl. 2−20066
Si:H, amorphous, solar cells, electronic props., review 2−24995
Si_3N_4 ceramics, sintering techniques, material props. and appls. 2−614
T-M amorphous alloys, T-Fe, Co, Ni and M=B, C, P, ferromagnetic glasses study 2−5885
$Te_{40}As_{35}Ge_7Si_8$, amorphous, threshold switching 2−25018
$Te_{81}Ge_{14}Sb_2S_3$, amorphous, memory switching 2−25018
Zn electroplating, status and prospects *(German)* 2−4498
Zn-air batteries, state-of-the-art 2−12774
rewinding *see winding (process)*
r.f. amplifiers *see radiofrequency amplifiers*
r.f. filters *see radiofrequency filters*
r.f. heating *see radiofrequency heating*
r.f. oscillators *see radiofrequency oscillators*
r.f. sputtering *see radiofrequency sputtering*
r.f.i. *see radiofrequency interference*
RHEED *see reflection high energy electron diffraction*
Richardson effect *see thermionic emission*
ridge waveguides *see rectangular waveguides*
Riemann-Cristoffel tensors *see tensors*
Righi-Leduc effect *see thermomagnetic effects*
rigidity *see shear modulus*
ring lasers
amplitude isolator ring laser, optimal regime *(Russian)* 2−10313
angular encoder, axisymm., short pulse generation for laser fusion 2−6244
beats with resonator frequency, noise peturbations effects 2−25805
coupled, mode extinction under generation *(Russian)* 2−10319
diffraction splitting of opposing wave freqs., laser with two-scale amplitude corrector 2−20915
dye laser, hard mode locking 2−10314
dye ring laser, rapid freq. scanning 2−15514
dye ring lasers, synchronously pumped and hybrid, subpicosecond pulse generation 2−6239
fluctuations and transitions at instabilities 2−15525
gas laser, light-induced optical nonreciprocity 2−10357
gyro testing, using distributive ATE systems 2−22148
gyroscopes for internal navigation systems 2−20991
ion laser, nonlinear effects in generation *(Russian)* 2−10242
Langmuir flow effects, theoretical anal. *(Chinese)* 2−15520
multiline ring resonator, injection locking 2−10338
resonator, dispersive, with diffr. grating as amplitude rectifier 2−1981
ring resonator, with cross-sectionally varying anisotropy, oscill. eigenmodes 2−10310
self-pulsing in ring lasers with detuning 2−15523
semiconductor laser, linear and ring external-cavity, active mode locking 2−6206
short pulse generation in laser with nonlinear delayed action element 2−25807
single-frequency, laws governing emission 2−25809
solid-state, 2−1977
solid-state laser, influence of difference between resonator Q factors on opposite wave interaction 2−25810
stabilised, gas flow meas. appl. 2−15585
stimulated emission from ring laser with 90° Faraday rotator, polarisation and freq. characts., temp. influence 2−1979
strapdown ring laser with no freq. locking, for optically biased laser gyro 2−1983
subpicoseond CW passively mode-locked ring dye laser, time-resolved fluoresc. spectroscopy appls. 2−20840
travelling wave, subpicosecond pulse generation using synchronous double-modulation 2−6237
travelling wave ring laser with active amplitude isolator *(Russian)* 2−10312
wobble frequency, mirror vibrs. effect 2−10311
D_2O high power pulsed ring resonators in far IR 2−20832
He-Ne cascade laser, two-photon amplification 2−10221
He-Ne two-mode ring laser, two-time correl. meas. 2−15541
Nd:YAG ring laser with mode locking and unidirectional lasing 2−25753
Nd^{3+}:YAG ring laser with acousto-optic mode locking, competitive effects 2−25756
XeCl excimer oscillator-ring amplifier system, laser tuning 2−25666
ringers *see bells*
riometers *see ionospheric measuring apparatus*
rivers
see also lakes
flood control on the Parana and Paraguay rivers 2−7754
heat pollution and river water cooled heat power plants *(Hungarian)* 2−17963
vertical axis water turbine for extracting energy from rivers and tidal currents 2−12533
road heating
tunnels, energy saving potential in Japan 2−8188
road traffic
Automatic Vehicle Identification transponder using single microwave carrier, MIC realisation 2−21813
automation, digital integrated telecommunication system decomposition 2−16191
energy-saving band-mirrored traffic signal lamp *(Japanese)* 2−8073
flow sensor, computerised, using photoelectric converting elements *(Japanese)* 2−16798
Gotthard road tunnel automation and control system using process computers 2−23777
ignition systems as noise surfaces, VHF man-made radio noise, amplitude meas. 2−11608
motorway telecom. emergency alarm system *(Polish)* 2−21658
overtaking data recording, appl. of video instruments 2−21984
road surface shape meas. using laser sensor 2−21005
tram monitoring, radio-operated, for real-time control of traffic lights *(German)* 2−2680
road vehicles
see also automobiles
advanced lead acid battery vehicle 2−28191
assessment of flywheel system benefits in selected vehicle applications 2−12960
battery powered milk floats, cost effective operation 2−4407
battery requirements of electric vehicles 2−28096
braking force meas. on commercial vehicles 2−26837
braking power arrangement by axle computerised calc. *(Croatian)* 2−28186
bus public transport, computerised call responsive system, communications techniques *(Japanese)* 2−16217
characteristics of an NH_3-air fuel cell system for vehicular applications 2−12846
chopper-controlled trolley bus, control system outline 2−4427
colloquium, review of traction batteries for road vehicles, IEE, London, England (1982) 2−23901
commercial electric vehicles in service, United Kingdom 2−28192
computer-controlled meas. system, portable *(German)* 2−4441
design considerations for vehicular fuel cell power plants 2−12571
efficient use of mechanized trolleys and batteries *(German)* 2−28156
flywheel-hybrid vehicle, energy conservation through utilization of mechanical energy storage 2−18704
intelligent data acquisition for road driving 2−26894
motor vehicle computerised emission control system 2−8051
optimum vehicle suspensions minimizing RMS rattlespace, sprung-mass acceleration and jerk 2−13002
propulsion/levitation linear synchronous motor magnetic field calc. model 2−12617
rough ground nonstationary response, state space approach 2−13004
sensors for heavy duty truck 2−18666
status of new electrochemical storage and conversion technologies for vehicle applications 2−12813
three phase Simotrac drives for Rheinbahn's B80D trams 2−28183
trolleybus, world survey of technological developments 2−8040
vehicle traction cycloconvertor driven induction motor performance anal. 2−4194
world survey of trolley bus, European, Asian, Australian and American schemes 2−4409
Li-Al/FeS batteries, quick-charge feasibility 2−12814
robots
see also artificial intelligence; industrial robots
dynamic control of robotic and human limbs 2−17424
position control using TV image processing 2−21988
position measurement, slit code detection method *(Japanese)* 2−17131
SCARAB robot for submarine telephone cable fault location, repair and reburying 2−10952
Shuttle remote manipulators in space appl. 2−22636
Space Shuttle developments, preparation for second launch, remote manipulator incorporation 2−12018
tool changer for robotic assembly 2−23988
two-dimensional compliant device for robot sensor 2−16938
rock magnetism
see also palaeomagnetism
gyromagnetic remanence and anisotropy 2−20513
magnetite grain size meas. in sediment cores, rapid method for mag. granulometry 2−17550
sediment cores, rapid method for mag. granulometry with appls. to environmental studies 2−17550
rocket vehicles *see rockets*
rockets
see also missiles; space vehicles; weapons
effluents effects on atmospheric EM wave propagation 2−6329
electrostatic charge build-up meas. 2−7365
exhaust plume of liq. fuelled rocket motor, three beam laser cross correlation meas. of density fluctuation 2−15592
instrumentation for lower thermosphere O meas. from chem. release expt. 2−3609
K-9M-67, ionospheric sounding rocket, positive ion temp. meas. *(Japanese)* 2−7430
L-band tracking radar system,, for rocket acquisition and operation *(Japanese)* 2−16494
launching operations computer control of radar tracking, attitude, satellite injection and range safety surveillance *(Japanese)* 2−3573
stress transducer stability testing, for meas. bond stress in rocket motor 2−22660
stress transducer verification for meas. stresses in solid propellant rocket motors 2−22661
Roentgen ray *see X-rays*
rolling
see also cold rolling; hot rolling
rolled bars mech. props. NDT with KAP-1 instrument 2−13896
rolling mills
see also blooming mills
automated metal-pouring system 2−28266
automatic hot slab handling crane in steel rolling mills, technical features *(Japanese)* 2−18837
cold rolling mill reel drives, thyristor motors appl. 2−8107
computerised burner control system *(German)* 2−28264
cycloconvertor-fed drives for rolling mills, use of synchronous/asynchronous rotating-field machines with field-oriented control 2−18802
DC rolling-mill drives, simulation of dynamic performance 2−18661

rolling mills continued
design and planning developments 2−28267
drive tuning to minimise dynamic torques 2−8102
DUNA Iron Works rolling mill experience of reliable operation of electrónic equipment *(Hungarian)* 2−23796
electrical drive load evaluation by computer *(Russian)* 2−18789
hardsurfacing steel rolls by plasma-MIG method, cost savings and service life improvements 2−23970
hot strip mill, 80 in., simultaneous transformer failure 2−8103
hot-strip mills, steel plate profile meas. using X-ray thickness gauge 2−26750
nuclear thickness gauges for rolling mills, digital electronics appl. *(German)* 2−17320
reactive power automatic compensation equipment for steel mill drive instabilities 2−18626
steel clamping mechanism, DDC *(Russian)* 2−28268
three phase motor control using ursalog 5010 stored program control equipment *(German)* 2−12965
thyristor controlled synchronous motor drive in rolling mill, rotor oscillations anal. *(Russian)* 2−7846
wide-strip hot rolling mill process computer control *(French)* 2−23792
width meas. of hot rolled strip, using stereoscopic vision system 2−11484
Al reversing hot rolling mill process computer control 2−23794
Cu electrolytic tough pitch wire production, O content meas. and control 2−11459

ROM *see read-only storage*

root loci
see also poles and zeros
crystal growth, microprocessor-controlled system, design and implentation 2−13811
programmable state-variable active biquads 2−14210
voltage source invertor-fed machines, influence of volts/hertz control on filter impedance effects 2−18255

roots of polynomials *see polynomials*

rotary convertors
see also invertors; rotating amplifiers
frequency, with adjustable autotransformer, design *(Russian)* 2−4301

rotating amplifiers
see also amplidynes
No entries

rotator phase in solids *see nuclear magnetic resonance; plastic crystals*

rotatory dispersion power *see optical rotation*

rotatrol amplifiers *see rotating amplifiers*

rotors
1 HP ferrite hysteresis motor with 1-phase and 2-phase excitation, performance evaluation 2−18286
500 MW, two-pole, with water-cooled rotor winding, design and manuf. *(Russian)* 2−4037
asynchronous electric motor with thyristor control modelling *(Russian)* 2−4119
asynchronous generator with short circuited rotor, rectifier-fed, in independent power supply systems, anal. 2−4142
asynchronous motor, comparison of 3-dimensional and 1-dimensional calculation of the thrust of a sector motor 2−27923
axial flux linear induction motors, rotor core flux densities, meas. and calc. 2−12665
composite rotor induction motor, charact. and torque coeff. *(Japanese)* 2−4134
core making techniques for enhanced motor efficiency 2−18147
cryoturbogenerator rotor shells, EM forces and losses, two-dimens. model 2−18159
design, nonlinear programming 2−27885
desynchronised synchronous machine, two-machine set, contactless, differential equations of generalised mathematical model 2−27897
diecast aluminium, skewed, interbar voltage and magnetic field calcs. 2−12652
dynamic axial generator acoustic efficiency rel. to rotor and stator hole shape 2−7458
electric bus propulsion with a high-capacity composite flywheel 2−18710
electric machine rotor torque distribution calc. 2−13187
electric motor with spherical rotor and composite motion, construction and performance *(Polish)* 2−18234
evaluation of defects of welded rotors of large steam turbines 2−27724
fault simulation of divided winding rotor synchronous generator with rectifier excitation 2−4055
finite element solution of eddy currents in asynchronous generator rotors 2−4103
helicopter rotor blades stresses obs., functional limits on speed and load factor *(French)* 2−12013
Herzenberg model, mag. field generator, orientation condition 2−21027
high power synchronous, rotor design 2−12622
hot-gas turbine testing and mech. design 2−3945
hydroelectric turbogenerator rotor balancing method *(Russian)* 2−27789
idealised induction machine, mathematical model *(Croatian)* 2−12640
induction motor, EM transient anal., math. models *(Russian)* 2−4124
induction motor, transient equivalence circuit 2−23302
induction motor dynamic analysis during power supply imbalances 2−4127
induction motor fan drive new design for fan drivers with full-speed rating in excess of 1 kW 2−12974
induction motors, polyphase and single-phase, calc. using finite element anal. 2−18251
inductor motor, with permanent magnet rotor, air gap distribution 2−12627
invertor-fed induction motor drive, control charact. 2−18655
large rotor unbalance on turbine-generators with fixed arc journal bearings in fossil-fired plants, protective measures. 2−12597
linearized rotor-bearing models used in vibration anal. of rotating machines, math. props. 2−4008
magnetic fluid seals for rot. shafts, finite element anal. 2−15235
nuclear power plant turbine rotor in-service inspection methods 2−23030
optimal tracking of the dynamic performance of an induction machine 2−27917
optimal winding design of a permanent magnet motor for self-controlled inverter operation 2−7821
parameters of equivalent loops in equivalent circuits for the rotor of a generalized turbogenerator 2−18171
performance testing of a Savonius windmill rotor in shear flows 2−12575

rotors continued
rare earth cobalt permanent magnet synchronous motor, rotor design 2−12625
Savonius wind turbine shielding aerodynamic performance 2−12574
self-excitation of an induction generator *(Russian)* 2−4123
single phase traction drive with solid rotor induction motor and synchronous phase convertor 2−12991
slow speed synchronous machine dynamic forces calc. 2−4086
squirrel cage motor, high-speed, rotor props. *(Polish)* 2−18235
squirrel-cage motor, frequency controlled, design calc. *(Russian)* 2−4144
squirrel-cage motors, 3-phase, symmetrical, with double rotor bars simulation under dynamic conditions *(Chinese)* 2−23301
steam turbine blade rotor nonadiabatic viscosity, integration model 2−17999
steam turbine rotors, dynamic balancing, practical approach 2−12450
steam/gas turbine welded rotors construction and manufacture 2−27693
superconducting multifilamentary Roebel bars, power losses 2−4028
synchronous generator, solid rotor with divided winding, optimal controller design employing output feedback 2−7822
synchronous machines, saturated, EM torque by finite element field calcs. 2−18183
synchronous motor, permanent-magnet with claw shaped rotor, steady-state and transient charact. 2−18214
synchronous motors, with laminated and solid iron poles, high speed, torsional coordination 2−18184
synchronous permanent magnet motor, design 2−12624
teetered, tip-controlled 100 kW wind turbine rotor: preliminary test results 2−27843
thyristor controlled synchronous motor drive in rolling mill, rotor oscillations anal. *(Russian)* 2−7846
turbine generator rotors, heat flow, finite element anal. 2−18156
turbine-generator rotor unbalanced faults computing, heating effects prediction 2−7808
turbogenerator rotors, Ti band rings utilisation, experience 2−4035
vertical-axis wind turbine sailwing aerodynamics, wind-tunnel tests 2−18107
vibrations research, using minicomputers, aerospace appl. 2−4007

roughness measurement *see surface topography measurement*

rovibronic levels *see molecular rotation-vibration*

rubber
see also rubber industry
ethylene propylene rubber insulated power cables, environmental effects on rate of aging 2−22926
ethylene-propylene rubber cable insulation, characterisation 2−15078
HV insulators, silicone elastomer protective coatings 2−9807
silicone rubber composite press pad appls. in multilayer PCB lamination 2−5452
silicone rubber layer for nylon jacketed optical fibre, charact. under lateral press. 2−1687
silicone-rubber reflecting cladding for glass core fibre waveguide 2−1718
TGS powder-silicone rubber composite, ferroelectricity 2−20451
XLPE and EPR for electrical insulation on underground power cables, comparison 2−20461

rubber industry
air pollution, atmospheric monitoring techniques 2−3635
industrial microwave appls. *(French)* 2−23760

rubbing (abrasion) *see abrasion*

ruby
four-wave interaction, nonsimultaneous, reversed photon echo charact. *(Russian)* 2−20969
laser, passively mode-locked, construction and operation, transient stimulated Raman scatt. in liqs. 2−15495
laser in γ-radiation field, colour centres, laser generating props. *(Russian)* 2−15500
masing in strong mag. fields 2−10179

Runge-Kutta methods
algebraically stable and implementable Runge-Kutta methods of high order 2−19369
concrete structures, differential creep stress analysis 2−13654
differential equations, BN stability 2−13776
implicit first order ordinary differential equations, numerical soln. methods 2−24255
once through steam generator, nonlinear mathematical model 2−12488
PDE solution 2−19368
perturbed collocation and Runge-Kutta methods 2−19351
stability analysis of Runge-Kutta methods applied to a basic Volterra integral equation 2−8783
Stirling engine performance anal., hyperbolic partial differential equations model 2−12449
structure analysis, numerical integration comparison 2−19341
synchronous machines, digital computer simulation 2−12604

rupture (solid) *see fracture*

rust prevention *see corrosion protection*

S-matrix theory
see also dispersion relations; network parameters
free electron Cherenkov laser model, S-matrix theory 2−20775
interconnected multiports, S-matrix calc., MINOP program for microwave network optimization 2−24691
pulse mode sonar echo prediction, S-matrix theory 2−11125
strip line bandpass filter with nonuniform-coupled transmission lines 2−24651
Y-junction of strip lines filled with gyrotropic material 2−933

S-parameters
bipolar transistors at different bias conditions, equiv. cct. modelling 2−1361
linear two-port network scattering parameter and noise parameter meas., computerised network analyzer appl. 2−26807
matching network design studies for microwave transistor amplifiers 2−5123
MIC oscillator, CAD *(Czech)* 2−14540
microstrip directional coupler design using exponential lines, scatt. parameters 2−24670
microstrip ICs, computer aided design and testing *(German)* 2−5362
microwave n-port networks scattering parameters determ. by resonance and nonresonance techniques 2−22372
multiport networks deembedding, generalised method 2−13908
network analyser, automated, using air-line references 2−11416
noisy linear two-ports, anal. using scattering waves 2−5121

S-parameters continued
nonuniform coupled transmission filters, coupled mode analysis *(German)* 2−19515
strip line bandpass filter with nonuniform-coupled transmission lines 2−24651
transistors dispersion parameters meas., under large signal conditions 2−17117
two-stage transistor microwave amps. with lossless matching ccts., analysis 2−9232
GaAs microwave FETs, operation and appl. *(French)* 2−14304

safety
see also accidents; alarm systems; fission reactor safety; health hazards; protection
1000 V electrical equipment with grounded neutral, protection devices *(Russian)* 2−3787
AC installations at 1 kV and above, maximum permissible contact voltages *(Russian)* 2−49
acceptable risk level, issues and problems 2−40
access control monitoring system 2−4612
aircraft cockpit colour CRT display technology 2−3560
aircraft hazards due to thunderstorms 2−17445
aircraft systems safety assessment 2−7362
Alarmtransfer, teleservice connected to central monitoring point through normal telephone lines *(Norwegian)* 2−18948
alkyldiphenylethane, flammability of aromatic base elec. insulating oils 2−1518
alkylnaphthalene, flammability of aromatic base elec. insulating oils 2−1518
analogue speech communication system 2−2556
automation of existing hydroelectric power stations within the framework of their modernisation *(French)* 2−23160
biomedical equipment international standards and safety status, trends and evaluation 2−27110
British Rail solid state interlocking project 2−13016
British Telecom, safety considerations in design of equipment and plants 2−13231
burns from electric arc blast 2−8241
CCTV industrial inspection appl. 2−21971
check of earth-fault protection by a secondary current 2−12312
Chinese and German specifications and standards comparison on electrical equipment for hazardous atmospheres *(German)* 2−18143
coal mines, safety enhancement *(French)* 2−18839
coal preparation, explosions and fires due to coal dust *(Rumanian)* 2−8221
control gear for offshore oil platforms, safety requirements 2−23398
critical piping systems planning, fire safety for valve actuators 2−4623
design for safe switching of electrical control equipment in coal mines *(Russian)* 2−28321
designing solid-state circuitry for use in hazardous locations 2−18943
domestic electrical appliances, switches, geysers and heating mantles, safety and reliability tests 2−8100
earth leakage testing in high rise buildings 2−27584
EEC solar power plant dynamic analysis and operation criteria 2−27838
electric equipment for maintenance of live LV/MV networks, recommended tests and standards *(Hungarian)* 2−18958
electric motors, selection for operation in explosive environments *(Polish)* 2−23262
electric shock, feeling and retaining thresholds for DC, AC and pulsating currents *(German)* 2−8222
electric shocks, indirect contact protection, principle of treble safety *(German)* 2−8228
electric sockets incorrect installation practices *(German)* 2−18932
electrical equipment for hazardous areas, EEC legislation and UK manufacturers and users 2−18942
electrical equipment in hazardous area 2−4615
electrical equipment in mines, breakdown's classification *(Russian)* 2−28320
electrical hazards and monitoring during biomedical diagnosis 2−27109
electrical hazards incurred when using anti-static anaesthetic hose, patient protection 2−17427
electrical plant, strategy for safety evaluation *(German)* 2−8223
electrical protection at subscriber's station 2−10891
electrical switching apparatus and electronic protection (ASZK) in electrical networks in hazardous areas *(Croatian)* 2−27569
electricity generating systems, comparative risks and risk assessment 2−27604
electronic electricity meters operational safety, survey evaluation results *(German)* 2−3182
electronic instruments, intrinsic safety 2−23959
electronic safety systems for use in hazardous environments, technical progress and established practices and standards 2−18939
electronic solid-state switch, automatic protection for spacecraft high-power lines 2−22692
electronic weighing systems, standards and enforcement in Hungary *(Hungarian)* 2−22410
EM wave compatibility of man *(Polish)* 2−3515
evaluation of defects of welded rotors of large steam turbines 2−27724
extended shields on substations of 400 kW and above 2−18300
fairgrounds, primary distribution using 15 kV vacuum switches 2−22903
fire hazards and welding action in service entrance conductors lack of protection 2−12298
fires, electrical, causes and safety aspects *(Finnish)* 2−23954
fluorescent lighting fixtures for hazardous areas 2−4463
French nuclear power programme based on 900 and 1300 MWe PWR standardised units, enhanced safety benefits 2−12350
fuseless powerstation installations from the view of the user *(German)* 2−12412
fusion reactor supercond. magnet system, pot. failures and hazards 2−1631
gas turbine power station automation, for increased operational safety and plant availability 2−27761
Gelderland 600 MW dual coal/oil-firing power station, technical details and environment protection measures *(German)* 2−27686
German Federal Railways, approval for appliances apparatus and systems in the field of signals and communications technology *(German)* 2−23952
German risk study for nuclear power plants 2−3845
golden rules for electrical safety for the layman 2−4610
grounding, practical approach to safety 2−3784
hazard anal., appl. of numerical methods to safety problems 2−8217

safety continued
hazardous transferred earth potentials in power systems, design to avoid 2−12296
helicopters flight in icing conditions development 2−17460
high impedance faults in distribution systems, detector 2−27591
high pressure Na lamps for Zone 2 hazardous areas 2−23725
high-power transmitters, assembly and maintenance work *(German)* 2−11171
household electrical appliances, role of marketing organisations 2−4482
HTR status and possibilities for electricity generation *(German)* 2−27636
human detection and diagnosis of failures, conf., Roskilde, Denmark (Aug. 1980) 2−18961
IEE wiring regulations, back-up protection in final circuits 2−22949
implications on electrical contractors of Health and Safety at Work Act, UK 2−8226
in-service inspection using data acquisition and processing system *(Japanese)* 2−16881
industrial electrical installations protective measures and maintenance *(Italian)* 2−22954
industrial safety B.Sc. degree development at Milwaukee School of Engineering 2−18899
institutional issues−major issues and their impact on widespread use of photovoltaic systems 2−18599
instrumentation for dams 2−17798
integrating heat pumps into heating systems 2−13088
intermediate photovoltaic system/utility interface experience 2−23647
international safety standards 2−22517
isolation and switching, wiring regulations in United Kingdom 2−4607
isolation equipment from Tektronix for floating potential measurement 2−7171
isolation in electrical installations *(Norwegian)* 2−18949
Kraft recovery boiler, computer control of sootblowing 2−12498
large EHV transformer specification features and problems 2−18306
large scale vacuum impregnation process, uncontrolled exothermic reaction, mechanism, consequences 2−18960
laser diodes safety aspects, hazard identification 2−11975
leakage current safety circuits triggering sensitivity and triggering time, historical review *(German)* 2−18944
load-break switches and current-limiting fuses, IEC Publication 420, overview 2−28044
low lighting, safety regulations for appl. for modern entertainment, art and architecture 2−25881
LV electric plants neutral earthing system selection for personnel protection *(Portuguese)* 2−22951
LV networks procedures for live working in Hungary *(Hungarian)* 2−27492
LWR accidents, consequences and effects *(Dutch)* 2−7649
machine protection, scientific, practical and regulatory aspects *(French)* 2−23238
marine diesel engine, microprocessor based oil mist detection system 2−22073
metal enclosed high voltage switchgear for safe operation 2−7940
method of analysis of the safty of machine control circuits in wired or programmable logic *(French)* 2−27853
microwave diathermy applicators, evaluation using free space elec. field napping 2−11958
military aircraft equipment EMC certification, critical systems safety determ. 2−17497
miner electrical safety prediction using reliability techniques, fault tree for safety grounded/ground fault protection systems 2−18842
model studies of the role of aircraft electrisation in lightning initiation *(Russian)* 2−11981
molded-case circuit breakers for underground mine power systems, accelerated life testing 2−18401
nature of physiological effects of electric current 2−27108
new wiring regulations for protection against indirect contact, United Kingdom 2−52
nuclear fuel-reprocessing plants, pot. safety-related incidents 2−8216
nuclear plant outages, minimum downtime and radiation exposure 2−27627
nuclear plant safety and availability, Operational Support Systems improvement 2−17879
nuclear power plant safety, human factor considerations *(French)* 2−23056
nuclear power plant safety, human factors influences anal. *(French)* 2−23027
nuclear power plants decommissioning, legal problems and licensing procedure *(German)* 2−7617
nuclear power plants decommissioning waste disposal *(German)* 2−7621
nuclear power station explosive dismantling practicality *(German)* 2−12369
nuclear power stations, comparison with other hazards 2−23018
nuclear power stations, current status of design and operation problems *(Hungarian)* 2−17838
nuclear power stations, maintenance personnel radiation exposure reduction measures, economic evaluation *(Russian)* 2−17858
nuclear power stations, safe enclosure in decommissioning *(German)* 2−7646
nuclear reactors acceptability in space, safety considerations 2−17915
on risk aversion in risk acceptance criteria 2−8218
overhead distribution lines, safety problems and design methods 2−27540
pacemakers, risks of electrical danger in electromagnetic fields 2−27207
PCB manufacture, non-rosin based soldering chemicals, recent developments 2−14504
photovoltaic arrays, flat-plate design techniques, review 2−23550
photovoltaic energy technologies: examining public and occupational health risks 2−12876
plant safety and the state of the sea *(French)* 2−23180
polychlorinated biphenyls filled transformers, problems 2−23329
polychlorinated biphenyls used in power capacitors and transformers, safe handling and disposal, EPRI research 2−27953
portable safety transformers 2−23333
power cables, halogen-free fire resistant properties and requirements *(German)* 2−27505
power cables, heat- and radiation-resistant, with mineral insulation for utilisation in nuclear power installations 2−27516
power equipment grounding and personnel protection in cement plants 2−17765
power lead terminal electrical safety interlock for test operator protection 2−24770

safety continued
power overhead line electric field effects on humans and animals *(Dutch)* 2—22573
power plant safety, reliable dampers 2—27673
power station wet/dry cooling using NH_3 phase change system, test facility, in USA, safety report 2—27753
power supply grid and small wind power plants, interconnection problems *(Dutch)* 2—23226
power systems with earthed neutrals in electric plants, personnel protection against indirect contact *(Portuguese)* 2—12305
practical problem of ensuring the quality of electronic components and devices *(German)* 2—19007
prevention of accidents in prefabricated cabinets and panels for medium voltage appls. *(Italian)* 2—13237
products liability, safety in design 2—37
protection against electric shocks on unearthed networks using current operated earth leakage circuit breakers *(Hungarian)* 2—58
protection against electric shocks through indirect contacts on networks using TN system *(Portuguese)* 2—50
protection against electric shocks through indirect contacts in TN systems, voltage drop limitation method *(Portuguese)* 2—8224
protection against electrostatic electrification, Standard TGL 35731, in Germany *(German)* 2—2075
protection under second fault conditions against indirect contacts in electric plants using IT system *(Portuguese)* 2—23961
radar receiver burnout by others radars, withstand levels assessment 2—16497
radioisotope heater unit, light-weight 2—17518
railway signalling, impact of microelectronics 2—13017
railway signalling equipment power supply voltage and phase-sequence monitors for change-over *(German)* 2—18685
reactive power compensation for energy savings, compensating capacitors characts; construction and manufacture review *(German)* 2—3673
redundant subsystems in production plant, effects on safety during maintenance *(Dutch)* 2—4614
RF ignition hazards review 2—13247
RF surgery equipment, appls., technical possibilites and safeguarding problems *(German)* 2—27193
RF surgery equipment, appls. and technical scope, safety problems *(German)* 2—17394
risk of electrical danger in medicine, conf. RELMED 1981 2—27121
safe installations in petrol stations and garages 2—4609
safety of dams judged from failures 2—22996
self-powered lights for escape routes, emergency lighting 2—8079
semiconductor laser diodes and appls., handbook 2—8142
silicone transformer liquid, use, maintenance and safety 2—4264
spent reactor fuel, transportation containers, safety studies *(Polish)* 2—8232
static electrification protection methods for houses and nonindustrial buildings *(Polish)* 2—6297
steam turbine automatic control system fire prevention 2—27727
steam turbine fire hazards where oil is used and their reduction 2—17994
steam turbine self-protection safety measures against disturbances 2—27692
steam turboset control and safety system features, effects on reliability and safety 2—23953
steel industry, effects of US National Electrical Code 2—8227
stored-program control for monitoring- and safety-functions *(German)* 2—4626
stored-program controls appl. requirements and testing GFR *(German)* 2—4624
stored-program controls design *(German)* 2—4625
strict liability impact on reliability 2—38
superconducting magnets, shorted turns, safety consequences 2—5965
surgical diathermy, principles, hazards and safety counter measures 2—27196
switching stations construction system with explosion and fire safeguards *(German)* 2—28042
technical appliances, analytical method for quantification of safety *(German)* 2—8233
technology-induced risk assessment 2—18955
telecommunication cables, protection against fire, development trends 2—5392
terminals in explosion hazard areas, installation practice 2—48
thermoplastic resins, protection against fire, international standards *(Italian)* 2—20465
touch and step pot. calc. of faulted URD cables, computer program results in handbook form 2—27493
touch and step pot. calc. of faulted URD cables, computer program 2—27494
turbogenerators with superconducting excitation windings, construction and characts. *(German)* 2—27862
TV antennas accident prevention during placement on roof *(German)* 2—21934
understanding marks on equipment for potentially explosive areas 2—4618
unprotected conductors in steel tubes, fire hazards and design for greater safety *(Russian)* 2—23967
videocassette TV systems for civil aircraft 2—11233
Waste Isolation Pilot Plant facility design, safety and environmental assessments 2—17876
X-ray equipment for industrial product safety and quality check 2—4671
$LaNi_5$ hydride device for minimising laboratory H_2 hazards 2—59
Na-S battery, hollow fibre, recent developments and progress 2—12824

safety systems
see also alarm systems
aircraft computer control system, West German development of CCV Starfighter 2—3552
Austrian radio station protection equipment *(German)* 2—16362
automated guideway transit system propulsion 2—18706
automatic train supervision system for Teito Rapid Transit Authority 2—18695
car anti-theft device *(Spanish)* 2—4445
closed-loop emergency control system 2—27404
combination lock, using 4050 CMOS hex buffer IC timing ccts., relay 2—14235
electrical fire alarm signalling equipment/—basic regulations and diagrams *(Czech)* 2—57
electrical protection system, principles 2—60
emergency power sources, safety systems for security and hospital paging appls. *(German)* 2—18945
safety systems continued
explosions, photodetection for fire control *(Polish)* 2—16986
facility intrusion detection system/ 2—61
fail-safe microcomputer systems for railway signalling 2—18694
fail-safe speed sensor for London Transport automatic trains 2—12990
flight safety system for the advanced strategic air launched missile 2—22657
fuzzy statistics modelling 2—4630
LOGISAFE safety system, building element level, safety proof of modules, failure effect anal. *(German)* 2—8234
mining, trapped-miner location system based on ELF link with computer control, mag. dipole excitation system 2—16456
parallel processable trapdoor knapsack public-key cryptosystem 2—4629
power system islanding detectors, appl. of sequence controllers for steam power stations *(Japanese)* 2—7726
railways, computer-based continuous train control system 2—18699
railways, fail safe signalling and electronic systems 2—18693
rocket Z *(Japanese)* 2—3573
TGV, railways, track-machine transmission development *(French)* 2—23699
Vienna underground railway 2—8235
X-ray safety shutters, fail-safe design 2—27101

salaries and wages
see also personnel
electrical contracts EDP appl. in small business management *(German)* 2—23949

salt water conversion *see desalination*

sample and hold circuits
ADC appl., CMOS, 8-bit *(German)* 2—887
amplifiers, applns. and basic parameters *(Italian)* 2—5320
amplifiers, data conversion and signal conditioning *(Italian)* 2—5262
analogue-to-digital convertor, direct and indirect, high frequency, requirements and test methods *(German)* 2—905
codec-filter chips testing 2—5760
fast settling cct. 2—864
fine tuning techniques 2—19811
flash convertor using track/hold techniques 2—14183
GAP-01, review, appl. as sample-and-hold amplifier and synchronous demodulator 2—9039
line receiver hysteresis testing, ramp-sample-hold technique 2—26954
operational principles *(German)* 2—19827
permanent magnet motor speed control circuit 2—4029
switch 2—24765
voltage resolution in isolated voltage contrast mode, scanning electron microscopes appl. 2—11563

sampled data systems
see also discrete time systems; Z transforms
induction motor, stability, driven by current source invertor sampled data model 2—7844
noise spectral intensity meas., correlation method development and appl. 2—16912
valve convertor for automatic control, sampled data model 2—28015

sand
foundry, moulding and core, universal apparatus for strength meas. 2—19479
marine bedforms movement monitor, with EPROM data storage 2—22731
suspended sand concentration meas., piezoelectric impact sensor design 2—22732

sapphire
ceramic chip carriers, Military Standard environmental testing 2—5797
CMOS-on-sapphire technology, T-88000 microprocessors 2—5242
edge growth elimination in LPE growth of (Al,Ga)As 2—4996
leuco-sapphire/metal bonds, effect of MoMn paste composition and sintering parameters 2—613
SOS films with negative and positive interfacial charges 2—5639
SOS wafer, electrical interconnection form. in laser-drilled hole array 2—1008
Stepanov cryst. growth, tubes used in laser pumps 2—555
Stepanov growth, appl. of profiled single cryst. in pulsed pump system 2—1985
Stepanov growth, appl. to equalisation in active medium of solid-state laser 2—1986
substrate for Si film, implanted, annealed dislocations, twins 2—14798
Si-Al_2O_3, charge carrier props. in p-type layers of SOS 2—6087

satellite ground stations
12 to 14 GHz band small ground satellite stations, characts. *(Czech)* 2—6800
30/20 GHz band, for DA-TDMA integrated services network 2—21773
30/20 GHz band high-efficiency small earth-station antenna with elliptical beam 2—11065
antenna design, future requirements 2—16426
Cassegrain antenna, erected in Leeheim, with switchover feeder system *(German)* 2—6369
Cassegrain antenna for small stations *(German)* 2—6370
configuration, subsystems for telecommunication services 2—21782
digital performance of Canada's 14/12 GHz ANIK C earth station 2—11012
Earth station frequency coordination 2—26476
earth station measurement techniques and lessons on earth station design 2—11057
earth station performance meas., impact on future design 2—11056
engineering aspects 2—2735
fibre optic link for satellite communication integrated terminals 2—11103
figure of merit determination, INTELSAT A appl. 2—21785
fixed-mount earth station antennas, performance 2—21770
front end low noise amplifier characteristics, telecom appls. *(Rumanian)* 2—21791
GEOSAT geosynchronous satellite position program in BASIC 2—21766
German Raisting ground station for satellite communication *(German)* 2—2737
helix TWT for transmitters in satellite Earth stations, 14 GHz, 250 W output power 2—5509
high power amplifiers, klystron/TWT combinations, 5.9 to 6.4 GHz systems appl. 2—21787
high-power multiplexer for use with INTELSAT V freq. plan 2—26484
INMARSAT, off-shore station parameters *(Polish)* 2—16432
Intelsat, freq. division multiple access *(German)* 2—10730
Intelsat V system, digital TDMA transmission system *(German)* 2—10731
Intelsat V system, earth-station antenna 2—10579

satellite ground stations continued
intercontinental communication links via satellites, Raisting, largest earth station 2—21797
Intersputnik system ground station in Algeria 2—26478
K-band (30/20 GHz), fixed-station design methods, performance and expt. results 2—6794
Landsat, reception and processing of multi-optical scanner data *(Japanese)* 2—12093
laser ranging station at Kavalur, India, performance and results in (1980) 2—3574
line-up, testing INTELSAT IVA earth stations, India 2—21784
MACOMNET satellite video teleconferencing 2—11018
maintenance, Indian domestic Satcom system appl. 2—21788
medium-power 6 GHz TWTs for low-cost unattended earth stations 2—9368
microwave antennas, measurement and optimisation using microcomputers 2—15790
multiple duplex radiocommunication equipment with active relaying, appl. *(Czech)* 2—6801
no break power supply systems 2—21783
orthogonal polarisation technology, used in satellite transmission, KDD Yamaguchi transmitter *(Japanese)* 2—26469
OTS, design and construction of ground stations, an overview 2—11058
reflector antennas, measurement, tolerance and performance, conf., London, England (Nov. 1981) 2—13166
reflector antennas, microwave metrology, practical aspects 2—15786
reflector antennas, scattering effects from support struts 2—15788
rooftop terminal installation for satellite business communication link 2—26474
Scientific Atlanta's low-cost media distribution terminal 2—21678
small earth stations, development survey *(Italian)* 2—11025
Sun outage time calcs. for Earth stations, hand-held calculator program 2—16428
TDRSS ground segment implementation 2—11042
TIROS-N series satellites, high-resolution weather satellite pictures, receiver design 2—11026
transportable, PSSC TES 4/6 GHz, 12/14 GHz 3-piece 5 m dia. antenna 35 ft trailer 2—16425
transportable ground stations for 4/6 GHz and 20/30 GHz links *(Czech)* 2—16424
TV direct broadcasting, 12 GHz band receivers *(Spanish)* 2—21776
Usingen, remote controlled antenna adaption for Intelsat system *(German)* 2—6371
weather satellite automatic tracking, low orbit and geostationary orbits appl. 2—27272

satellite links
see also artificial satellites
4A Echo Canceller for domestic satellite circuits 2—25969
7.5 GHz microstrip phased array for aircraft-to-satellite communication 2—10595
20 GHz active aperture for communication satellites, preliminary design 2—16445
375-MHz SAW oscillators in UHF Transit satellite links 2—24432
700 W Ku-band TWT for Satcom ground terminals 2—9366
adaptive antenna angular resolution factors 2—6804
ATE field calibration 2—26758
attenuation due to rainfall and sensitivity to parameters *(French)* 2—10469
automatic vehicle monitoring, NAVSTAR, global positioning system, police appl. 2—16532
band-limited satellite channels, convolutional code and signal waveform design 2—2764
baseband processing, modulation, multi-access techniques for satellite communications 2—21792
Cassegrain antenna characteristics satellite communication systems appl. 2—21233
clock synchronisation between two stations, using artificial satellite 2—3576
clock synchronisation technique, for tracking and controlling deep space probes 2—12049
cluster for modular growth of communication functions 2—11037
coded 8PSK signaling performance for satellite communications, computer simulation 2—2288
communication system, appl. of intersatellite links to collocated advanced satellites 2—11036
communications systems, developments 2—6583
computer networks, class of broadcast protocols for file transfers to multiple sites 2—10854
cross-polarization meas. on earth-space paths at 11.7 GHz 2—10473
direct G/T measurement using satellite signals 2—17088
Doppler location, mean-term potential 2—6867
downlink transmitter latching ferrite switch, 19-GHz, high power handling, low loss 2—26483
dual polarisation, adaptive cancellation to reduce crosspolar interference 2—16451
Earth station automatic control and monitoring by microprocessors *(Italian)* 2—16433
European Orbiting Test Satellite, down-link propag. meas. 2—21779
experiment on high speed file transfer using satellite links 2—21576
FDMA data transmission systems, adjacent channel interference and intermodulation distortion, computer-aided anal. 2—16448
geostationary platform implementation 2—11038
geosynchronous orbital altitude satellite position management 2—11983
high-speed satellite channels, error control, ARQ selective-repeat strategy 2—2772
Hungarian maritime satellite communications, current situation and development trends *(Hungarian)* 2—21775
image data distribution system, design guidelines 2—26487
integration with Pentaconta telephone exchanges 2—21454
INTELSAT V and VI type TDMA/QPSK system, computer simulation 2—21809
intersystem coordination for fixed satellite service 2—21781
Ka-band, adaptive rain fade compensation 2—11028
laser intersatellite data links using CO_2 laser communication technology 2—2774
laser ranging station at Kavalur, India, performance and results in (1980) 2—3574
low elevation angle propagation measurement of 1.5-GHz satellite signals in the Gulf of Mexico 2—21092
low power satellite links in direct TV broadcasting 2—11062

satellite links continued
microwave 11 GHz rearward link to switching centres, Indian domestic Satcom system 2—21790
microwave satellite communications in L-band, Antarctic regions, propagation effects, mag. field and atmos. data var. 2—26482
Monte Carlo simulation, variability, empirical study 2—16449
multibeam phased array on OTS platform, global maritime communication appl. 2—2732
multiple access protocols for satellite channel, passive/active user classification *(Japanese)* 2—15967
NAVSTAR, appl. of Global Positioning System geodetic receiver to geodesy and geophysics 2—7409
noise characterisation in simulation of nonlinear wideband satellite links 2—16447
nonlinear digital satellite links, analytical simulation 2—16446
nonlinear satellite channels, maximum likelihood sequence detection 2—26073
phase and frequency coherency in fading environment in tracking and data relay satellites 2—16452
precorrection concepts for mobile terminals with processing satellites 2—2776
priority TDMA protocol for satellite data communications 2—6626
rain attenuation in range 10-100 GHz, Microsoft BASIC program Apple II-Plus computer 2—16416
satellite-antenna development from first communication satellite to broadcast satellite *(German)* 2—10580
SAW universal modem *(French)* 2—16411
SHF Earth-space path in Kuwait, power spectrum of ionospheric scintillation 2—21107
Sirio-2 program, MDD and Lasso missions 2—7366
space-enhancing technological leadership, conf., Boston, MA, USA, (Oct. 1980) 2—8159
space-related programs, transmission and orbital constraints 2—11039
surveying and ocean navigation appl., Transit development 2—6866
telemetry, drifting buoy obs. 2—22735
transportable ground stations for 4/6 GHz and 20/30 GHz links *(Czech)* 2—16424
two-way time transfer, simultaneous, using Symphonic satellite 2—26704
VHF transponder, EMI design prediction and test results 2—11015
weather satellite pictures, data decoding and processing 2—16080

satellite relay systems
see also satellite ground stations
8-Ball satellite TV antenna 2—10581
12 GHz Broadcasting-Satellite planning methodology 2—2885
20/30 GHz FDMA system using multiple beam antennas, rain fading compensation 2—6815
30/20 GHz demonstration system for improving orbit utilization 2—11035
30/20 GHz satellite-switched TDMA microwave switch matrix design 2—2754
40 MHz bandlimited nonlinear QPSK satellite channel uplink noise effect simulation 2—6806
40-DCPSK onboard demodulator implementation imperfections, performance degradations and meas. techniques 2—26187
1980s development trends *(Finnish)* 2—15992
, multibeam satellites communications appl. 2—11072
addressable satellite encryption system for preventing signal piracy 2—21774
advanced onboard signal processor 2—16444
Air Force Satellite Control Facility, data systems modernisation program 2—11034
Air Force Satellite Control Facility 2—11027
ALOHA satellite channels with finite buffer, performance 2—21396
amplitude compandor for broadcast quality satellite communications 2—16415
AMSAT-Oscar satellites, passage through Earth's shadow in 1978 2—26470
antenna performance meas. on OTS-2 2—10558
Arabian Gulf broadcasting satellite systems, performance assessment 2—2748
ARABSAT system—current status and prospects 2—2747
ATC, satellite applications in position finding and communications, resolution and accuracy *(German)* 2—17536
attenuation on Earth-space links, prediction of rainfall effects 2—10492
blue-green laser, submarine command and control appl. 2—6774
blue-green laser satellite strategic submarine communications, feasibility study 2—2743
broadcasting planned for the FRD, critical appraisal 2—21948
Broadcasting Satellite Service, planning future problems 2—2884
burst modem for satellite packet communication 2—14036
business communication satellites, switching concepts 2—11066
business satellite communication system simplification 2—21804
C-band FET amplifier for TWTA replacement in spaceborne communication transponders 2—5349
cable TV, Zoetermeer Project, developments *(Dutch)* 2—6933
Canadian communication services 2—2734
circuit and packet integrated switching method 2—2750
colour TV codec for video conferencing 2—21955
commercial Earth terminals, history 2—12051
Communication Satellite-2, design and characts., of on-board communication equipment engineering models 2—6810
Communication Satellite-2 (CS-2) on-board communication equipment, engineering models, design and characts. 2—22643
communication systems using Space Shuttle 2—16409
communications platform, economics of small users 2—11045
computer communications adaptor for satellite network switched services 2—26292
COMSAT Intermodulation Analysis, multicarrier performance prediction, with two-carrier measurements 2—6797
COMSTAR satellites, in-orbit performance of traveling wave tube amps. 2—6813
continuous-phase FSK performance in nonlinear satellite channels 2—6807
cross polarisation coupling, compensation effects 2—21796
crosspolarisation site-diversity measurements at 11.8 GHz 2—26464
CS-2 domestic communications, 4/6 GH_3, 20/30 GH_3, Japan 2—16431
data file transfer to multiple sites, broadcast protocol 2—16413
demand assigned multiple access satellite system, capacity allocation, analytical results 2—26163
demand-assigned satellite system with hybrid TD/FDMA uplink and pure TDM downlink 2—2757
digital broadcasting via satellite channel, design choices *(French)* 2—21917

satellite relay systems continued
digital communication system based on multistation access and TDM, high speed modem design 2−16429
digital performance of Canada's 14/12 GHz ANIK C earth station 2−11012
digital radio transmission via TV-SAT *(German)* 2−2746
digital satellite communication systems, tradeoffs 2−2761
digital satellite communication technology review *(Italian)* 2−21769
digital satellite communications, unique word detection method and its error rate performance 2−21795
digital transmission system implementation for the American Satellite Company 2−11032
direct broadcast satellite TV, alternative technical approaches 2−2858
direct broadcasting, individual receivers 2−16613
direct satellite TV receiving equipment development 2−26608
direct TV broadcasting 12 GHz band receivers *(Spanish)* 2−21776
direct TV reception, satellite position control calculation *(Italian)* 2−6789
direct TV transmission appl. *(German)* 2−2745
domestic, FM single-channel-per-carrier modulation system 2−10621
DOMSAT terminal, revolution in cost and performance by small aperture terminals 2−12053
DSCS satellite, RF isolation and compatibility, MIL-STD-1541 2−26480
DTS satellite, TV link quality improvement expts. *(French)* 2−21807
EHF MILSATCOM architecture 2−16441
EHF preparation phenomena, telecommun. appl. *(French)* 2−15690
EHF satellite communication user terminals, cost considerations 2−16439
EHF satellite communications for mobile users, config. 2−16440
EHF technology development 2−16442
EHF/SHF airborne SATCOM terminal 2−16436
electronic circuits, interference protection, EM interference compatibility, noise *(German)* 2−21778
encryption and authentication, onboard processing systems 2−16412
error correction coding techniques for commercial satellite channels 2−2752
ESA large multipurpose satellite design, for broadcast missions 2−21767
European business communications satellite system, possible configuration 2−6811
European business service communications satellite systems 2−21802
European Communication Satellite system, digital telephony, TV broad casting appl. 2−21768
European Communication Satellite System transponder details and spot-beam locations *(German)* 2−26479
European satellite broadcast receiver compatibility conditions and performances *(French)* 2−21901
European satellite broadcasting status and prospects *(French)* 2−21915
European satellites, evolution and potential 2−26461
expansion of Westar satellite system 2−2769
experimental satellite programs, historical background 2−21780
FET technology, used in German TV satellite TV-SAT 2−11017
fibre optic link for satellite communication integrated terminals 2−11103
Fleet Satellite Communication system, shaded Sun sensor modelling, general approach 2−22616
FM signal transmission experiments via Japan's communications satellite *(Japanese)* 2−16420
FM-AM convertor, computer-aided analysis, for satellite broadcasting receivers *(Chinese)* 2−26460
Franco-German direct broadcasting satellite project *(French)* 2−21916
frequency translating saturating, prediction of performance using output moments 2−6385
GaAs FET logic for spacecraft 2−25341
general purpose military satellite communications system concept 2−16434
geostationary broadcasting satellite TV-SAT D3, characts., equipment *(German)* 2−16417
geostationary communication satellites development, review *(German)* 2−11020
geostationary intersatellite links, freq. reuse potential, orbit spectrum utilization efficiency 2−2762
geostationary orbit, evaluation of efficiency by spot-beam satellite system 2−26473
geostationary satellites, efficient utilization to reduce natural interference 2−21897
geostationary TV satellite projects in Europe and World-wide *(French)* 2−26578
geosynchronous, system considerations for rural areas 2−26468
German TV-SAT system history 2−16408
Global Positioning System satellite receiver, simulation and software verification 2−16529
global TV communications in year 2000, satellite TV development 2−6896
ground mobile forces tactical satellite terminals 2−16435
Harris Corp. private business network, USA 2−26462
high-definition TV developments 2−2922
high-efficiency TWT amplifiers, Ka-band, appl. in intersatellite links 2−5510
high-speed facsimile apparatus for satellite communication 2−21487
Hills Telesat satellite TV ground station, using curved screen reflector 2−16410
INMARSAT, off-shore station parameters *(Polish)* 2−16432
INMARSAT telecommun. system, shipborne equipment standards *(Polish)* 2−6803
INSAT Indian domestic satellite communication system, education, meteorology appl. 2−21786
integrated business communications appl. 2−26486
integrated communication services, history and current status *(German)* 2−26199
integrated communications networks for voice, image, data, and text 2−11074
integrated services digital network, telematics and satellites 2−11043
Intelsat: world satellite messenger 2−6791
Intelsat, colour TV transmission interfield and intrafield adaptive prediction coding *(Japanese)* 2−6406
Intelsat, freq. division multiple access *(German)* 2−10730
INTELSAT system during last two decades of twentieth century, orbit/spectrum resource 2−2763
INTELSAT system for telephone and TV relay services, present status and future trends *(Japanese)* 2−11014
Intelsat V system, digital TDMA transmission system *(German)* 2−10731
INTELSAT VI spacecraft concepts, communications requirements 2−11031

satellite relay systems continued
interbusiness communication and TV, TELECOM 1 satellite system *(French)* 2−21799
interbusiness telecommunication satellite, integration and applications 2−21801
intercontinental communication links via satellites, Raisting, largest earth station 2−21797
international business communications by satellite, system description, test facility 2−26459
International Maritime Satellite Organization (Inmarsat), organizational, technical, financial aspects 2−21771
international satellite telecommunications, review of current advances in civil environment 2−11011
intersatellite link system, wideband FM modem using GaAs FET limiting amplifier followed by discriminato-r, development 2−6817
intersatellite links, interconnection of satellite-switched TDMA networks, onboard clock sync. 2−6818
intersatellite links, tracking antennas for 22/33 GHz bands 2−6379
intersatellite links using laser beams 2−16453
Italian satellite communications service developments in 1980s 2−21803
Japan's communication satellite, propagation experiments *(Japanese)* 2−15710
Japan's communication satellite, PSK signal transmission experiments *(Japanese)* 2−16421
Japan's communication satellite, TDMA experiments *(Japanese)* 2−16422
Japan's medium capacity communications satellite, characts. of transponders *(Japanese)* 2−16419
Japanese communication satellite program 2−6793
K-band communication systems, 20/30 GHz, microwave hardware requirements 2−26481
Ku-band satellite communication system organisation in moderately industrialised countries 2−21805
L-band radioactive-array antenna for satellite communications, trial model *(Japanese)* 2−2217
laboratory model of equip. for reception in satellite TV systems *(Polish)* 2−11187
large reflector antennas with spatial distortion errors, computer model, spacecraft communications appl. 2−2777
low cost airborne terminal concepts for UHF satellite communications 2−16438
Marecs, communication satellite 2−6802
marine emergency rescue systems, problems *(Polish)* 2−21798
MARISAT, US Navy and US Merchant ship communications interoperability 2−10998
maritime satellite communication via the Inmarsat system *(Swedish)* 2−11024
maritime satellite telecommunications, technical and traffic aspects *(Hungarian)* 2−11016
microprocessor and optoelectronics based packet switch for satellite communications 2−2759
microwave asymmetric filter design for satellite communication applications 2−26489
microwave tubes, used for communications satellites, characts. 2−9367
military shipborne satellite communication terminal 2−16437
MILSATCOM, technology assessment for operation in the EHF band 2−6809
mixed-media networks, interaction between routeing and multiple access 2−16450
mobile satellite services, prep., planning of future maritime systems 2−2724
multi-satellite communication system, intersatellite links, technology and development 2−6816
multi-service communications among multiple subscribers via satellite 2−16454
multi-transponder communications satellite, capacity allocation using reconfigurable multiple-beam antenna 2−6814
multiaccess satellite system, capacity allocation, analytical results 2−21810
multicell digital communication satellite configuration 2−2733
multichannel radiotelephony, two-channel interference compensator for FM signals, synthesis, anal. 2−16375
multiple access packet communication systems, URN scheme 2−21406
multiplexing systems for Indian domestic Satcom system, telephony, TV broadcasting appl. 2−21688
multiprocessor based, for satellite communications 2−6480
multiprocessor based packet switch, queueing model 2−6480
NASA communications R&D program 2−11029
NAVSTAR/GPS satellite configuration *(French)* 2−2847
new satellite introduction to operating system, technical aspects 2−2767
non-geostationary satellite communications system using elliptical orbits 2−6812
Nordsat direct broadcasting satellite project, alternative modulation methods 2−21806
on-board advanced signal processing for satellite communications, cost performance implications 2−11030
optical intersatellite link technology assessment 2−2760
optoelectronic switching matrix for satellite-switched TDMA 2−6805
OSCAR, communication satellite, development 2−11047
Oscar 7, 8 satellites operational problems *(Spanish)* 2−26471
Oscar 7, advantages; and Oscar 9, detailed description *(Spanish)* 2−26472
Oscar 7 and 8 telemetry signal recording, amateur radio appl. *(Spanish)* 2−6799
Oscar 7 and Oscar 8, operation of satellites for communications between amateurs *(Spanish)* 2−16423
OTS, 120 and 180 Mbps digital transmission tests, results and conclusions 2−11053
OTS, 60 Mbit/s digital transmission tests, results and conclusions 2−11052
OTS, analogue TV transmission tests 2−11145
OTS, design and construction of ground stations, an overview 2−11058
OTS, direct broadcasting experiments, results of picture transmission tests 2−11147
OTS, direct broadcasting experiments, results of sound transmission tests 2−11148
OTS, experimental digital TV transmissions 2−11146
OTS, experiments and future plans 2−11061
OTS, general description 2−11984
OTS, RF performance tests made by ESA, results and conclusions 2−10506
OTS, TDMA/DSI system tests and telephony channel tests 2−11054

satellite relay systems continued
OTS, telephone signalling tests through TDMA/DSI system, results and conclusions 2−11055
OTS, teletext and data broadcasting experiments 2−10838
OTS, tests and experiments, conf. London, England, 1981, April 2−8151
OTS beacon meas., correlation with radiometer and rainfall data 2−11050
OTS depolarisation meas. at 11 and 14 GHz 2−10503
OTS experimental programme, overview 2−11049
OTS propagation results, impact on ECS system 2−10504
OTS RF classical transmission tests, results and conclusions 2−10505
OTS used in the COST 211 project 2−11060
OTS used to obtain attenuation statistics 2−10502
overview of satellites and satellite communications *(Swedish)* 2−26466
packet networks with auxiliary satellite channels, design concepts 2−2545
packet networks with satellite overflow channels, performance modeling 2−2740
performance of a communication satellite system in simulated RFI 2−26485
personal satellite communication via stationary and orbiting satellites, review, NASA systems *(Japanese)* 2−2742
Peruvian domestic geostationary satellite system 2−26475
Peruvian domestic satellite system using Intelsat IV A 2−11019
phase comparison sinusoidal FSK demodulator simulation and development 2−6808
planning for growth, INTELSAT experience 2−2766
platform performance factors affecting link budgets of geosynchronous communication satellites 2−11051
precision remote comparison of time and frequency *(Japanese)* 2−11633
private data networks appls. *(Spanish)* 2−6798
processing, impact of time and freq. errors on satellites with MFSK modulation 2−11068
propagation observations during solar eclipse, Feb. 1980, Bombay 2−6330
radio relay broadcast of Radio Japan from Sines, Portugal, INTELSAT to IV-A appl. *(Japanese)* 2−16568
radiowave depolarization by atmospheric hydrometeors, review 2−10494
rain attenuation statistics of 12 GHz rel. to Japanese satellite broadcasting service *(Japanese)* 2−15702
rain intensity in eight Italian locations, joint statistics for satellite communication networks 2−26465
rain zone effect meas. by dual polarisation radar *(Spanish)* 2−11023
random access satellite channels, study of users' buffer variations 2−2741
random access techniques 2−15972
random multiple-access stack algorithm 2−15970
reflector antennas, double layer wideband sharp cut off dichroic plate, design details 2−11073
regenerative, clock recovery for DCPSK link in burst mode TDMA system 2−11071
regenerative, new class of IJF-OQPSK modems 2−11070
regenerative, QPSK downlink for systems with on board regeneration 2−11069
regenerative and conventional satellites, performance of power and bandwidth efficient modulation 2−11067
regenerative satellite communications, transmit power control system 2−26188
repeater system coded and uncoded performance, cumulative hardware distortion effects 2−2758
role in integrated services digital network evolution 2−6521
rural communication, technical solns., general survey *(German)* 2−16026
rural telecommunications via satellite 2−21794
satellite communication expt., Japan 2−16016
satellite communication fills data void 2−17779
satellite direct broadcast receiving antenna, with corrugated feed for 12 GHz *(Italian)* 2−26609
satellite-fed programming, suitable antennas 2−15768
satellite-switched TDMA frame synchronisation clock correction 2−2756
satellite-switched TDMA microwave switch matrix integration and testing 2−2755
scanning offset-fed, near-field Gregorian reflector antenna analysis, 12/14 GHz 2−2773
scanning-spot-beam satellite for communications in USA 2−6795
Scientific Atlanta's low-cost media distribution terminal 2−21678
security system operating, specifications, development 2−21812
servicing in orbit 2−22580
single channel/carrier interconnection for remote stations, India 2−21428
SIRCAL Italian defence satellite system 2−16414
small dish systems for specialised services conf. London, 1981, Sept. 2−6819
Spain, satellite broadcasting in 12 GHz band *(Spanish)* 2−21777
spread spectrum EHF Q-band receiving system 2−16443
staggered quadrature overlapped raised-cosine modulation performance over nonlinear satellite channels 2−2751
Starswitch/Starcall satellite switched telephone network for reservation appls., microprocessor system 2−16427
STELLA and SPINE data transmission experiments, results and conclusions 2−11059
STEP communications exp. project, India, Symphonie satellite transponder appl. 2−21789
strategic laser communications 2−11094
switch and relay telecommunication satellite development trends 2−26477
switching centre for satellite switching TDMA systems 2−2753
synchronisation of satellite-switched TDMA on-board clocks 2−11033
synchronization techniques for mobile user satellite systems 2−2771
synchronous satellite repeater, JTIDS capability extension 2−11046
TDM with dynamic bandwidth allocation, improved timing synchronisation 2−2738
TDMA, decentralised-control dynamic bandwidth allocation 2−2739
TDMA Advanced Westar communications system, space segment, ground station configuration 2−6790
TDMA communications link, digital speech interpolation system *(Japanese)* 2−6796
TDMA satellite communication system, clock recovery for on board regeneration 2−26186
TDMA satellite communications system for interplant business traffic 2−11063
TDMA systems using small earth terminals, transmission aspects 2−6792
TDMA-40 equipment, automatic control system and stand-by facilities 2−16430
TDRS satellite, tracking and data relay, spacecraft and telecommunication payload 2−17451
TDRSS, KU-band receiver design, function and testing *(French)* 2−11021
satellite relay systems continued
TDRSS, role in tracking and data acquisition 2−11040
TDRSS, system performance 2−11041
TDRSS ground station software/ADPE 2−12044
technology developments, conf., Boston, MA, USA, (Oct. 1980) 2−8159
TELECOM 1, French domestic communications satellite system 2−21793
Telecom 1, telecommunication payload 2−26463
TELECOM 1 satellite system integration into ISDN *(French)* 2−21800
Telecom-I, 4 GHz output multiplexer development, carbon fibre technology based *(French)* 2−11022
telecommunication networks, Intelsat IVa, Zaire satellite network *(Spanish)* 2−2744
telecommunications, new systems and services, conf., Liege, Belgium, Nov. 1980 2−18867
telemetering, conf., San Diego, CA, USA (Oct. 1980) 2−10818
terrestrial network migration to satellite network, risks, constraints and payoffs 2−2768
time, place and spectrum sharing 2−11064
time comparison, ABC Television Network policy 2−21902
time compression multiplexing of multiple television signals in satellite channels using chirp transform processors 2−15965
time slot assignment algorithm for satellite switching systems optimisation 2−26467
tracking-and-data-relay-satellite spacecraft, telecommunication payload 2−11979
transponder efficiency increase by using TDMA 2−26164
transpondser nonlinearity effects on SFSK and MSK, comparison 2−2765
TV, educational broadcasting appl., transmission throughout British Columbia via Anik B satellite 2−6886
TV broadcast satellite signal reception and processing 2−21808
TV broadcasting, French and Arabian Gulf systems 2−2749
TV broadcasting in Japan *(Japanese)* 2−11013
TV broadcasting system technology for 80s 2−11044
TV broadcasts from American satellites *(Norwegian)* 2−26596
TV developments in direct satellite broadcasting 2−16418
TV direct broadcast, high-power extracted pole quadrupolexer in circular waveguide 2−26488
TV direct broadcast satellites, Delphi study views of experts 2−6897
TV receive only and digital data terminals, design and manufacturing for high availability 2−12054
TV receiver 12 GHz front-end designs, using low noise GaAs MESFETS 2−16602
TV receivers for satellite broadcasts 2−16584
TV receiving antenna lining up procedure, amateur construction 2−21960
TV satellite transmission, video security systems 2−21811
TV security for satellite broadcast 2−21306
TV/FM transposer, solid state IC satellite transmitter *(Japanese)* 2−21927
UHF urban propagation expts. for sound broadcasting for mobile reception *(French)* 2−21918
Universe project, linking computer local networks by satellite 2−21596
VHF mobile communications system 2−21772
video teleconference by satellite, meeting struct. comparison and satellite system design 2−26656
video transmission, computer simulation of crosstalk 2−6349
voice activated SCPC/FM carriers through nonlinear repeaters, effects in transmission 2−10519
wideband satellite communications, open-loop ns synchronisation 2−11048
zip-coded cellular interface concepts for mobile terminals and proliferated satellite communication networks 2−2770
GaAs FET receiver for 12 GHz satellite TV broadcasts 2−21951
GaAs MESFET appls. in telecommunication systems *(French)* 2−19867
satellite vehicles *see artificial satellites*
satellites, artificial *see artificial satellites*
satellites, planetary *see planetary satellites*
saturable absorption, optical *see optical saturable absorption*
saturable core reactors
transductor system for controlling voltage across 100 W lamp *(German)* 2−693
saturable reactors *see saturable core reactors*
saturation control *see chemical variables control*
saturation effects, optical *see optical saturation*
saturation measurement *see chemical variables measurement*
Saturn
Voyager 1 Saturn near encounter, close Titan flyby effect compensation 2−22605
SAW *see surface acoustic waves*
SC (sudden commencement) *see magnetic storms*
scalers (circuits) *see scaling circuits*
scales *see balances*
scaling circuits
analogue-computed, scaling program device *(German)* 2−5315
counting device for light pulse time anal. 2−3423
function generator, using reversible counter, logic gates, D/A convertor *(Italian)* 2−9029
horologicum star clock, providing GMT, sidereal time, using logic ICs decade counters 2−7221
multi-scalar system 2−17231
multiple-user data acquisition and analysis system for high flux beam reactor 2−7291
reaction testing game, using LEDs, 4017 IC, 555IC 2−5303
UHF prescaler circuit for VHF freq. counter 2−9198
scaling tubes *see counting tubes*
scanning antennas
phased scanning antenna arrays, with interaction of radiators, noise signals 2−21239
scanning electron microscope applications
see also scanning electron microscope examination of materials
bipolar transistors, low energy electron beam investigation of burst noise, SEM correl. with dislocations 2−25214
CMOS, SEM phase dependent voltage contrast for LSI failure analysis 2−9743
combined SEM and optical macroscope techniques appl. 2−4666
detector circuit for observing semiconductor devices with scanning electron microscope 2−5712
drilling analysis, SEM appl. 2−9313
I^2L ADC AD571, ionising radiation effects, SEM anal. 2−14187

scanning electron microscope applications continued
IC technology, single-step lift-off process evaluation using SEM response surface anal. 2−20370
microelectronic technology appls. of electron beam techniques 2−9541
MOS digital LSI ccts., stroboscopic SEM with travelling blanking pulse 2−25340
printed wiring board fabrication, rigid, flexible, resolution of problems in process by SEM and chromatography 2−14467
RAM package, SEM/EDAX and optical microscopy analysis of particle impact noise detection (PIND) test failures 2−14945
surface analysis techniques used in diagnosing relay problems 2−1001
VLSI, SEM/TEM in process development failure analysis 2−9711
VLSI/SOS circuits testing, by SEM voltage contrast technique 2−5825
Si MOSFET gate oxide elec. field distrib. direct obs. using SEM 2−14865

scanning electron microscope examination of materials
see also scanning electron microscopy
cross-linked polyethylene cable insulation, morphology 2−9796
glass ceramics, fracture toughness meas., SEM secondary electron and backscattered electron image appls. 2−8871
integrated circuits, extraneous contaminant damage to surface 2−14967
monolithic ICs, insufficient diffusion, SEM meas. *(German)* 2−14766
muscovite mica solid-state track detectors, etch-pits, electron microscopy 2−11847
p-n junction local characteristics determ. by induced potential method in stroboscopic mode 2−25047
pulverized coal ash, chimney solids and trace elements from 500 MW boiler stack, surface morphology examination appl. 2−23098
poly-Si, nucleation and growth, in-situ obs. 2−24327
solar cells laser-annealing, optimisation 2−18592
Al alloy metallization for IC 2−14806
Al wire connections, mechanism of high resistance junction form. obs. 2−1009
Al/n-Si, small area laser beam annealing, subsurface alloying and deep Al penetration 2−1232
AlGaAs-GaAs solar cells, proton irrad., radiation-induced deep-level defects, annealing, DLTS, SEM 2−18551
Au plating thickness testing, combined microsectioning, β backscatter SEM method 2−14337
$Cd_xHg_{1-x}Te$, growth by MOVPE and characterisation 2−4994
$Cd_xHg_{1-x}Te$, molecular beam epitaxy on CdTe 2−580
CdO-(PbO-CdO-BaO-B_2O_3 glass) thick film resistors, X-ray and microscopic investigations 2−5485
CdS photocell, cathodolum., photolum. and SEM studies 2−25617
CdS/Cu_2S sintered solar cells, controlled annealing of sintered C dS layer effects on photovoltaic performance 2−8006
CdS-CU_2S photovoltaic cell crystallographic anal. using SEM and EBIC mode 2−18510
CdS-S coevaporated thin film prep. and cryst. props. 2−19440
Fe-C alloys and structural steel, AE during tensile tests 2−13881
Fe-Si (3 wt.%), grain oriented, effects of surface coatings on domain struct. 2−15120
GaAS:Zn(Mg)(Si)(Se) ion-implanted homojunction solar cells, pulsed ruby laser annealing, SEM, TEM and SIMS meas. 2−18554
GaAlAs DH laser, strain related degradation phenomena, SEM cathodoluminescence and induced current study 2−20910
$Ga_{1-x}Al_xAs/Ga_{1-y}Al_yAs$ DH lasers, facet degradations 2−25790
GaAs epitaxial layers, by low pressure MOVPE, using triethylgallium as - Ga source 2−4990
GaAs single crystals, helicoidal twisting of dislocations, projection etching, SEM and TEM obs. 2−24958
GaAs:Te,Zn, heavily doped material with p-n junction, SEM local cathodolum. obs. 2−24957
GaAs/AuGeIn Gunn diode ohmic contacts, microstructure, correl. with device performance 2−25076
GaAs-Cu(Ag)(Zn)(Sn)(Al) contacts, metal diffusion, penetration depth, SEM and microprobe anal. 2−20140
GaAs-$Ga_{1-x}Al_xAs$ multilayer epitaxial heterocomps., elec. active defects, combined SEM and TEM obs. 2−24959
GaAs-metal contact interface, metallurgical and elec. props., heat treatment effects *(Chinese)* 2−14692
GaP layers, deposited on GaAs substrate, initial growth and defect struct. 2−24283
GaP:Mg, ion implanted, minority carrier diffusion length meas. 2−14658
InGaAsP-InP DH laser, degraded, lattice defect struct., SEM and TEM study 2−25772
InP/Ag Gunn diode ohmic contacts, microstructure, correl. with device performance 2−25076
Li-Si/FeS_2 primary cell, reactive interface materials characterisation 2−7968
Mo-Re alloy films, annealing behaviour 2−5704
Mo-Si contacts, P ion implantation effects 2−5628
Nb_3Sn composite-processed, alloying addition effect on comp., growth rate and supercond. props. 2−9883
RuO_2-(PbO-CdO-BaO-B_2O_3 glass) thick film resistors, X-ray and microscopic investigations 2−5485
Si avalanche photodetectors, crystal defects, electron channelling imaging with SEM 2−9483
Si, implanted, macroscopic electron channelling pattern for laser induced recrystallisation monitoring 2−5535
Si layers, CW laser annealed, EBIC contrast rel. to residual defects, X-ray, TEM, and SEM obs. 2−14752
Si solar cell, surface recombination velocity meas., SEM appl., textured front surface field and tandem function cells 2−23609
Si:As, implanted, laser or electron beam annealed, defect form., electron beam induced current study 2−25139
Si:P, polycrystalline, plasma etching, P doping effect, electron microscopy study 2−5698
SiO_2, formation in RF generated O_2 plasma in press. range below 10 mTorr 2−20204
SiO_2 formation in RF generated O_2 plasma at press. greater than 10 mTorr 2−20205
SiO_x film, reactively evaporated, elec. cond. props. 2−5642
TiB_2 film electrode behaviour in Si vacuum deposited thin film solar cell 2−28113
ZnSe, heteroepitaxial growth from vapour on GaAs substrates, characterisation 2−13819

scanning electron microscopes
see also scanning electron microscopy
direct measurement apparatus for scanning electron microscope 2−14601

scanning electron microscopes continued
DX-5, Chinese experimental SEM *(Chinese)* 2−20051
local field effects on voltage contrast 2−14602
magnification standard, grating or conjugated struct. 2−9385
X-ray dispersive crystal spectrometer design and fitting to SEM *(Chinese)* 2−17317

scanning electron microscopy
see also scanning electron microscope applications; scanning electron microscope examination of materials; scanning electron microscopes
electron beam exposure direct writing system, appl. to MOS LSI fabrication 2−20401
energy dispersive detectors, bibliography (1981) 2−23894
holographic grating groove depth determ. method 2−2051
integrated circuit defect localisation by logic-state representation in SEM 2−24474
micropotential measurement, errors 2−26925
PCB dry film photoresist performance prediction by resist sidewall anal. 2−14441
secondary cells, Li/$LiAsF_6$-2-Me-THF/TiS_2, electrodes morphological characts. anal. using electrochemical and surface studies, application in spacecraft 2−12841
semiconductor thin film, minority carrier bulk diffusion length determ. by SEM-EBIC 2−14832
surface, resolution limits 2−14757
thin film metallisation, relative density meas. using electron microprobe or SEM 2−14812
voltage resolution in isolated voltage contrast mode sample-and-hold ccts., lock-in amps. appl. 2−11563
Si solar cells columnar, diffusion parameters optimisation using two-step diffusion of phosphorus 2−12900

scanning radiography
see also computerised tomography; radioisotope scanning and imaging
electronic tomographic system for tomofluoroscopy 2−3465

scanning-transmission electron microscope examination of materials
see also scanning-transmission electron microscopy
GaAs-$Ga_xAl_{1-x}As$ DH and multiple quantum well superlatt ices, luminesc. props. and struct. 2−25589

scanning-transmission electron microscopes
see also scanning-transmission electron microscopy
No entries

scanning-transmission electron microscopy
see also scanning-transmission electron microscope examination of materials; scanning-transmission electron microscopes
No entries

scattering
see also acoustic wave scattering; backscatter; electromagnetic wave scattering; potential scattering
Grassmann manifold-based theory 2−13923
Hankel transform numerical evaluation, discrete Laguerre polynomials appl. 2−8682
inverse methods for branched ducts and transmission lines 2−21164

scattering matrix *see S-matrix theory*

scattering parameters *see S-parameters*

scheduling
6 kV cables, routine checks, optimum sheduling at steel plants *(Russian)* 2−18790
commodity circulation, Hoffman's existence theorem generalisations 2−354
decision making under risk in the case of nuclear power system development 2−23017
deterministic queueing model 2−13260
fossil fuel demand planning program *(Russian)* 2−17801
generating facilities optimal preventive maintenance, reduced tree search 2−22820
multiobjective dynamic programming method for capacity expansion 2−389
optimal scheduling of power systems with pumped hydro storage plants adopting non-linear programming techniques 2−7773
optimal stochastic scheduling, perturbation anal. of system of quasi variational inequalities 2−384
optimum load scheduling of nuclear-hydro-thermal power systems 2−22863
pig-iron production linear programming planning *(Russian)* 2−18788
power plant maintenance scheduling problem formulations 2−17792
power plant optimum scheduling, simplex algorithm appl. *(German)* 2−7517
project scheduling and control in complex-of-operations framework, comparison 2−4635
real time sequencing and scheduling, graphical method 2−8249
stochastic project planning model, bounds for expected duration 2−65

schlieren systems
hydrocarbon liquids, prebreakdown disturbances and luminescence obs. using laser schlieren technique 2−1485
stroboscopic system for visualisation of US waves launched by PVF_2 film transducer 2−22754
time-resolved schlieren photographs, image convertor camera, prebreakdown density change and current of transformer oil 2−1522
N_2, liquid, prebreakdown phenomena study using modified schlieren system, hopping transport mechanism 2−1484

Schottky-barrier diodes
see also semiconductor-metal boundaries
abrupt-junction millimetric varactor doublers using Schottky diodes, anal. 2−9225
balanced mixer, 94 GHz, fabrication using fin line circuitry and beam-lead Schottky diodes 2−19869
broadband coaxial impedance transforming Schottky diode mount for video detector 2−26836
burst noise, expt. studies 2−25203
convertor package for spectral analyser, with field replaceable diodes, 50 kHz to 21 GHz 2−16910
diffusion current density calc. using Gummel number 2−25195
DLTS, temp. dependence of peak heights, computer simulation 2−9614
forward voltage reduction using electron beam guns evaporation 2−20227
frequency multiplication, using Schottky-barrier diodes in millimeter wavelength 2−19877
illumination influence on majority carrier quasi-Fermi level 2−1344
ion implantation effect on current transport 2−5727
limiters, microwave circuits in TO-8 housing, based on thin-films technology *(German)* 2−14302

Schottky-barrier diodes continued
majority-carrier characts. meas., automatic modular expt. set-up using IEC-bus *(German)* 2−16821
metal-semiconductor contact barrier heights, automatic meas. during thermal treatments 2−20135
metal-semiconductor contacts, review 2−20134
metal-ZnO-metal small area thin-film sandwich, high-speed photodetection 2−11493
microwave-signal detector, theoretical treatment 2−22283
MIS, barrier height change 2−25197
MIS solar cells, computer-aided anal. of short circuit current, spectral response meas. appls. 2−23464
mixer, room temperature, for CO_2 10 μm laser radiation 2−5363
mixer characteristics, hot electron effects at high frequencies 2−5351
mixer diode, low barrier height, using super thin Si films, MBE fabrication 2−9611
MM wave detector and mixer technology 2−24462
monolithic integrated micrograting and photodiodes for wavelength demultiplexing 2−25536
rectifying, barrier height optimisation *(Russian)* 2−14833
response to transverse mag. surface waves, theory 2−5725
Schottky transistor logic arrays, Schottky barrier diode formation 2−14986
semiconductor thin film, minority carrier bulk diffusion length determ. by SEM-EBIC 2−14832
a-Si:H photovoltaic cells conversion efficiency limiting parameters anal. 2−18517
static RAM cell with selected barrier height Schottky diodes 2−5172
travelling-wave device, laser induced, for generating MM waves 2−9227
TTL-LS failure modes, long term thermal stability of Schottky diodes realized by PtSi-Ti/W-Al metallization 2−9084
two-carrier numerical computation, combined diffusion model and diffusion-thermionic-emission model 2−1338
V-I characteristics, generation-recombination in space charge region, diffusion theory *(Russian)* 2−1234
V-I characts. measurement method *(Russian)* 2−3237
whisker pointing technique for micron-size contact 2−25185
Al contact to NiSi using thin W layer as barrier, elec. characts. 2−9612
Al-a-Si:H, Schottky diodes, barrier height enhancement upon heat treatment 2−5729
Al-GaAs Schottky diode, effect of annealing on Richardson constant 2−14835
Al-n-Si diodes, CW laser processed, elec. props., laser power depend. 2−25187
Al-n-SiC, Schottky diode, elec. props. *(Russian)* 2−25201
Al-nSi, current-voltage characteristics, 300-490K *(Russian)* 2−5720
Al-nSi, temp. annealing effect on electrophysical parameters *(Russian)* 2−5721
Al-poly-Si Schottky-barrier solar cell, large grain, majority carrier current characteristics 2−4341
Al-Si Schottky diodes, nonuniform, elec. behaviour, two-dimensional model 2−5726
$Al_xGa_{1-x}As$ Schottky barriers and p-n junctions, current-voltage characts. 2−5723
Au-InP Schottky diode, elec. characts. 2−14829
Au-InP Schottky diodes, heat treatment effects on noise spectrum 2−9613
Au-n-GaAs Schottky barrier diodes, ion beam damage during low energy cleaning 2−24968
CdP_2-metal diode structs., contact parameters, current transfer mechanisms 2−14700
CdP_2-metal Schottky diodes, band struct., wavelength modulated photocond. and photoresponse meas. 2−15393
n-CdTe electrodeposited solar cells evaluation 2−23454
CdTe thin-film Schottky-barrier solar cells, elec. props., limitations 2−23615
n-$CuInSe_2$-Au Schottky diodes, space charge limited current effects 2−9617
Cu_2O Schottky-barrier solar cells, minority carrier diffusion length meas. for Cu-Cu_2O functions 2−23611
GaAlAs:Sn, thin layer emitters, luminescence and Sn-X centres 2−25192
GaAs epitaxial film based, defect and conc. nonuniform effects on IMPATT diode avalanche breakdown *(Russian)* 2−1341
GaAs, mixer for far IR heterodyne detector 2−7102
GaAs Schottky detectors in sub-MM wave region, characterisation 2−19888
GaAs Schottky light emitter for surface avalanching and electrolum. studies 2−15419
GaAs-Al, effect of substrate treatments usable in MBE 2−1345
GaAs-GaAlAs, bipolar Schottky-collector transistor 2−1363
GaAs-Nb, super-Schottky contact, electrical characteristics 2−1630
$GaAs_{1-x}Sb_x$ Schottky barrier quadrant detector development for 1 μm appl. 2−11494
GaP-Au, LPE manufactured, gamma-ray effect on V-I characts. *(Russian)* 2−14834
n^+-GaP-stearic acid-Au MIS Schottky diodes, elec. and photoelec. props. 2−20228
GaSe, diodes, Schottky barrier study, photo-EMF 2−9622
Ge Schottky-barrier photodetectors, dark current 2−22272
H_2 detector using Pd MOS Schottky diode 2−11443
HCN sub-MM wave laser, intensity modulation with Schottky barrier diode 2−20945
Ni-n-Si, temp. anomalies 2−9623
Pb salt epitaxial film, photovoltaic diode IR detector, modified hot wall technique prep. 2−10155
Pb-$PbS_{0.5}Se_{0.5}$ photodiode detector, improved performance from Cl incorporation at interface 2−10156
Pd-GaAs Schottky diodes, current-voltage and capacitance-voltage characts., electron irrad. effects 2−9500
Pd-semiconductor diode, H sensitivity, substrate effect 2−9618
Pt-n-Si, in BARITT diode, elec. props. in 77-400K temp. and 9.5-10.7 GHz freq. ranges *(Russian)* 2−1342
Pt-Si, deep centres introduced by Ar ion bombardment 2−14629
PtSi-Si shallow Schottky barrier contacts, multilayer metallisation technique 2−1335
Si coupled Josephson junctions and super-Schottky diodes with coplanar electrodes 2−9922
Si Schottky barrier structs., reactively sputtered amorphous, effect of H on diode props. 2−9610
Si semicrystalline Schottky diode, quantitative model of grain boundaries influence on junctions space charge 2−20233

Schottky-barrier diodes continued
Si, solar cells eval. of Pd, Pt, Ni silicide stability and decomposition 2−8013
a-Si:H, a-Si:F:H, Schottky-barrier diodes, elec. props. using new techniques 2−25067
Si:H, amorphous RF magnetron sputtered coating, elec. and optical props. 2−19425
Si:H, amorphous Schottky barrier solar cells, prep. by plasma decomp. and sputtering, carrier generation efficiency 2−12861
Si:H amorphous Schottky barrier diode characts., mathematical model 2−25189
Si:H amorphous Schottky diode, electron transport and deep localized state kinetics 2−25188
Si:H Schottky barrier diodes made from amorphous Si, primary and secondary photocurrents 2−25574
Si-Mo Schottky barrier formation, effect of ion-beam sputter damage 2−1228
SiH_x amorphous Schottky barrier solar cell, carrier collection efficiency, recombination effects 2−7994
Y-Si Schottky barrier diode, barrier height and Auger depth profile 2−14830
YSi_2-Si Schottky barrier diode, barrier height and Auger depth profile 2−14830
$ZnAs_2$-metal diode structs., contact parameters, current transfer mechanisms 2−14700
ZnP_2-metal diode structs., contact parameters, current transfer mechanisms 2−14700
ZnP_2-metal Schottky diodes, band struct., wavelength modulated photocond. and photoresponse meas. 2−15393
p-Zn_3P_2 thin-film solar cells, expt. results and anal. 2−23614
Zn_3P_2-metal Schottky diodes, band struct., wavelength modulated photocond. and photoresponse meas. 2−15393
ZnS:Mn, electrolum. max. in quantum efficiency 2−6097
ZnSe:Mn, electrolum. max. in quantum efficiency 2−6097

Schottky barriers *see Schottky effect*

Schottky effect
see also work function
barrier width, numerical computation incl. free carrier space charge 2−25073
blocking contact MIM structures, theory of elec. characts. 2−5643
buried-channel CCDs, design for thin channel devices, gate-voltage limitations 2−5750
conduction current during electric breakdown of dielectric liquids *(Korean)* 2−9768
copper phthalocyanine-metal junction Schottky barrier, photovoltaic effect 2−14695
current oversaturation, eliminated in bipolar transistors using Schottky-collector *(German)* 2−9625
epitaxial collector I^2L/MTL technology, incorporating Schottky barrier junctions 2−20384
merocyanine dye, solid-state Schottky barrier and liquid junction cells, photovoltaic props. 2−10140
metal-p-n Schottky structure anal., inversion layer effects 2−25074
metal-semiconductor Schottky barrier height 2−14694
ohmic contacts and layer structures developments, MBE appl. 2−5709
phthalocyanine photovoltaic cells, metal-free, x-phase, transient photoresponse meas. 2−10149
phthalocyanine Schottky barrier solar cell, In/x-metal free 2−7993
polycrystalline semiconductors, thermionic emission current, grain boundary effects 2−24898
Schottky contacts, struct. and elec. props. 2−14696
semiconductor junctions with deep impurity levels, space charge anal. 2−9479
semiconductor-metal boundaries, Schottky barriers, work function model 2−20132
silicide contacts to Si, shallow and parallel 2−5632
solar cells, photovoltaic characts. in p-n junctions, heterojunctions, Schottky and MIS structures *(Japanese)* 2−4360
surface potential barrier effect on surface recombination velocity 2−5626
transferred-electron logic devices, domain form., fluctuations meas. by optical pulses 2−25179
Al/Si (111) cleaved interface, photoemission, Auger electron yield, and AES study 2−1235
Al-CdS(Se), electronic barrier characts., time-resolved charge injection 2−5629
Al-SiO_2 internal photoemission characts., forming gas anneal effect 2−9505
Au-CdS Schottky barrier solar cell, Ta_2O_5 antireflection coating 2−18475
Au-Langmuir film-InP 0.085 eV Schottky barrier 2−25077
CdS-metal interface, reactive interdiffusion and electronic barriers, reactive interlayer control of Schottky barrier height, photoemission study 2−20136
CdSe thin film anodes, photoelectrochem. characts. 2−5648
Ga-Si interface, Schottky barrier formation 2−25071
GaAs metallisation, problems and trends 2−1324
GaAs Schottky contacts, light emission behaviour, exptl. data 2−20728
GaAs, Schottky-barrier coupled Schottky-barrier gate FET logic inverter, speed-power props. 2−5808
GaAs surface, thin native oxide covered, interfacial chemical reactivity of metal contacts 2−5630
n-GaAs-Au Schottky barrier height increase, Fermi energy pinning behaviour 2−5623
GaAs-metal contact interface, metallurgical and elec. props., heat treatment effects *(Chinese)* 2−14692
n-GaAs-molten salt electrolyte interface, mech. of charge transfer 2−5646
n-GaP/stearic acid, surface pot. studies on Langmuir-Blodgett films 2−14719
GaSe, diodes, Schottky barrier study, photo-EMF 2−9622
Gd-Pt/Si Schottky contacts, struct. and elec. props. 2−14696
In-phthalocyanine, metal free x-phase, solar cell, low freq. photocapacitance 2−18474
InP:Zn, p^+n junction diodes and Schottky barriers, deep levels, Zn diffusion effects, DLTS study 2−9427
InP-metal interfaces, atomic and electronic struct., XPS and elec. meas. 2−5631
Pb chalcogenides, photovoltaic detectors, R_0A product temp. depend. 2−10141
Pd-amorphous Si Schottky barrier solar cell, characts. 2−18471
PtSi-Si shallow Schottky barrier contacts, multilayer metallisation technique 2−1335

Schottky effect continued
Sb-Si (111) interface, Schottky barrier formation 2−25071
Si, polycrystalline films, diffusion length meas. method based on photovoltaic conversion 2−6088
a-Si Schottky barrier solar cells, localised states and photocond. 2−4344
Si Schottky barriers, image force effects on short wavelength photoresponse 2−3161
Si:H, amorphous, reactively sputtered, solar cell, electron-hole recombination 2−23417
Si:H, amorphous thin films electrical and optical props. optimisation using RF bias-sputtering 2−23446
a-Si:H, meas., and anal. of current transients, DLTS and TSC obs. 2−25002
a-Si:H, Schottky barrier structures, capture cross-section and density of deep gap states 2−25075
Si:H amorphous, interface with noble metals, struct. and elec. props. 2−20137
Si:H amorphous Schottky diode, electron transport and deep localized state kinetics 2−25188
Si:H amorphous solar cell, carrier collection, image force effects 2−4336
Si-Au Schottky devices, fabrication 2−595
Si-F-H amorphous film, Schottky-barrier and MIS solar cell appls. 2−23564
Si-Ni(Pd)(Pt), Schottky barrier heights and silicide formation 2−9499
Si-PtSi Schottky barrier junction, energy distrib. of surface states 2−5625
Si+H, amorphous, transient photocond. and Schottky barrier profile determ. 2−25573
Ti-p-Si MIS type Schottky barriers 2−25083
Zn_3P_2-Au(In) Schottky barrier solar cells, photo-voltage spectral response 2−18544

Schottky gate field effect transistors
12 GHz receiver with a self-oscillating dual gate MESFET mixer 2−19866
amplifiers, intermodulation distortion 2−24405
bipolar circuits using pinch-off MESFET process 2−5802
dual-gate, SHF broad-band active phase-shifter appl. 2−5354
MESFET devices and ccts., radiation tolerance 2−14863
microwave monolithic elements, two-terminal model characterization 2−24715
optical broadband transimpedance preamplifiers, bipolar junction transistor and MESFET front end comparison 2−19577
optoelectronic control using laser beams 2−5361
semiconductors at IBM: physics, novel devices, and materials science, review 2−20054
Ag-$Ga_{1-x}In_xAs$-GaAs MESFET struct., non-alloyed contact resist., transmission line meas. 2−5613
(Al,Ga)As/GaAs heterostructures, modulation doped, current transport and high speed FET appls. 2−9651
AlGaAs two dimensional electron gas FET, high performance assoc. with low AlGaAs surface pot. 2−25224
$Ga_xAl_{1-x}As$, heterostructure MESFET devices, LPE 2−1395
GaAs *(French)* 2−14040
GaAs digital ICs for appl. above 1 GHz *(French)* 2−14046
GaAs, digital monolithic IC development *(Czech)* 2−9739
GaAs dual gate MESFET and appl. in microwave circuits 2−19865
GaAs FET, magnetoresistance oscills. and transition from 3-D to 2-D cond. low temps. 2−25243
GaAs FET power combining with travelling-wave combines amplifier 2−9217
GaAs high speed IC technology *(French)* 2−14988
GaAs, ion implanted, excess 1/f noise depend. on gate leakage current 2−9670
GaAs ion-implanted enhancement/depletion-type MESFET IC technology 2−20397
GaAs LSI digital IC, review 2−15012
GaAs low-noise MESFETs, high aspect-ratio 0.1-μm gate technique, optical lithography 2−14868
GaAs MESFET, 4 GBit/s pseudo-noise generator 2−14191
GaAs, MESFET, electronic impulse response, picosecond optical electronics meas. 2−20251
GaAs MESFET, fabrication of stable Schottky barrier gates 2−14882
GaAs MESFET, ion implanted, temp. effect on low threshold voltage 2−9648
GaAs MESFET, ion implanted, threshold voltages 2−25343
GaAs MESFET, low noise, microwave perform. 2−14876
GaAs MESFET, self-aligned normally-off, using SiO_2:Sn glass 2−9650
GaAs MESFET, super low-noise, fabrication using Si ion implantation, microwave props. at 12 GHz 2−20253
GaAs MESFET appls. in telecommunication systems *(French)* 2−19867
GaAs MESFET broadband amplifiers with parallel feedback, noise 2−19872
GaAs MESFET digital ICs for very high speed freq. division 2−9061
GaAs MESFET high speed static RAM technology and design 2−14131
GaAs MESFET logic gates, effect of cell configuration, gate length and fan-out on propag. delays 2−24481
GaAs MESFET low-freq. noise at low drain voltages 2−25274
GaAs MESFET microwave oscillators, common-source and common-drain mode, photoeffects 2−5365
GaAs MESFET microwave mixers, theory and appls. 2−19863
GaAs MESFET modelling for CAD of circuits *(French)* 2−14853
GaAs MESFET quasi-normally-off for high speed frequency dividers 2−20398
GaAs MESFET X-band oscillator, optically frequency modulated 2−14300
GaAs MESFETs, low-noise, high power pulsed charcts. 2−25239
GaAs, magnetotransconductance mobility meas. 2−9652
GaAs microwave, MESFETS, gamma irrad. tolerance 2−25240
GaAs microwave FETs, operation and appl. *(French)* 2−14304
GaAs, microwave MESFETS, assessment of deep traps 2−1392
GaAs microwave MESFETs, mutual coupling between electrodes three-coupled-line theory 2−14303
GaAs, microwave noise due to deep levels 2−1391
GaAs monolithic ICs for communication engineering *(Czech)* 2−9231
GaAs, open tube diffusion of Sn, improved process for microwave devices 2−24720
GaAs power FETs, failure modes, ohmic contact electromigration and formation of refractory oxides 2−14886
GaAs power MESFETs prep. by metalorganic CVD 2−14857
GaAs Schottky barrier FET, low noise, prep. by MBE 2−1369

Schottky gate field effect transistors continued
GaAs, Schottky-barrier coupled Schottky-barrier gate FET logic inverter, speed-power props. 2−5808
GaAs short-channel MESFET operation II, transient behaviour 2−25235
GaAs, with n^+-implanted layers and self-aligned gate by dielectric life-off technology 2−25226
GaAs:Be MESFET fabrication using maskless ion implantation 2−20271
GaAs-metal-semiconductor FET, transient radiation study 2−14869
$Ga_{0.47}In_{0.53}As$, molecular beam epitaxy 2−1394
InP, LPE film growth for MESFET appl. 2−4989
Si MESFET digital circuit techniques 2−14996
Si short-channel MESFET operation II, transient behaviour 2−25235

Schottky noise *see random noise*

Schrodinger equation
anharmonic oscillator, numerical anal. 2−13659
EM wave propag. in nonlinear media; nonlinear integro-differential equation *(Russian)* 2−10358
large matrix techniques in quantum chemistry and atomic physics 2−443
localised wave pulses in dispersive media, controlled nonlinear nonstationary evolution 2−21073
nonlinear Schrodinger equations, numerical calculation problem *(Chinese)* 2−13730
operators, spectrum and continuum eigenfunctions 2−8417
optical fibres, nonlinear ps. pulse propag. with positive group vel. dispersion 2−2009
scattering operators 2−19350
weighted Sobolev spaces and rapidly decreasing solutions of some nonlinear dispersive wave equations 2−19345

Schroedinger equation *see Schrodinger equation*

Schwarz-Hora effect
No entries

science education *see education*

scientific societies *see societies*

scintillation
see also phosphorescence; phosphors
atmospheric scintillation in Shanghai, effects on laser engineering *(Chinese)* 2−25823
ionosphere, scintillation modelling, review 2−12072
ionosphere, scintillations associated with geomagnetic storm (22 March 1979) *(Japanese)* 2−25954
laser rain gauge, detect. of raindrop induced scintillations 2−3599
microwave equatorial scintillation intensity during solar maximum 2−10498
radio sources interplanetary scintillations, anal. of obs. 2−6881
refractive scattering theory, appl. to scintillation phenomena 2−21068
SHF cloud-produced amplitude scintillation 2−10496
SHF Earth-space path in Kuwait, power spectrum of ionospheric scintillation 2−21107
solar wind motion within $30R_\odot$, spacecraft scintillation obs. 2−21085
VHF/UHF and L-band satellite signal scintillation at Guam 2−10495

scintillation chambers
see also scintillation counters
liquid scintillators NE228A and NE213, neutron pulse shape discrimination 2−17240
spot chambers 2−27057
NaI(Tl) light pulser with ^{241}Am external alpha source 2−11799

scintillation counters
see also photomultipliers; position sensitive particle detectors
array localisation system *(Chinese)* 2−22499
background counting rate, principal components 2−3405
BGO scintillator timing props. 2−3383
cosmic gamma-ray scintillation detector, calibration procedure 2−7423
cosmic ray scintillation detector for low energy electrons 2−7422
EAS muon scintillator detectors, pulse profiles study 2−3382
emulsion scintillator for liq. scintillation counting *(Japanese)* 2−27059
gamma densitometers design aspects for void fraction meas. in two-phase flows 2−17239
gamma-ray energy equivalent correction of independent α-reference sources 2−27055
gas electroluminescenct detectors for nuclear radiation, review 2−11805
gas electroluminescent detectors for nuclear radiation, review 2−17248
gas scintillation proportional counter for Pu in lungs assessment *(Japanese)* 2−3397
gas target for research on the formation of muon-nucleon atoms 2−11806
gas target for research on the formation of muon-nucleon atoms 2−17249
gridded ionisation chamber, secondary scintillation study 2−22483
hadron calorimeter, props. relevant to storage rings 2−22491
hadron calorimeter for high-energy heavy ions 2−3368
hadron calorimeter prototype, performance 2−22492
hodoscope, laser based time and amplitude calibration system 2−22476
hybrid scintillation-photodetector detector system, with improved energy resolution 2−11811
hydrocarbon liquid scintillators, backward neutron scatt., detection efficiency 2−17241
interval timer for multichannel particle energy analysis 2−11856
light collection modelling using GUERAP-3 computer program 2−11822
liquid, automation techniques development 2−3401
liquid, Beckman LS 9800 series, with common problems detection 2−3399
liquid scintillation cocktails 2−3400
liquid scintillation coincidence counters 2−27078
liquids, in biomedical research, sample preparation problems identification and solution 2−3398
Lixiscope, NDT appl. 2−5055
muon in EAS, system to record time spread 2−3381
n-octane liquid scintillator, low energy proton and electron responses 2−7276
NE213 liquid scintillator, absolute detection efficiency for 50-450 MeV neutrons 2−27044
noncontacting radiometric type density or level monitoring instrum. 2−17144
organic scintillators, neutron detection efficiencies calc. using Monte Carlo computer code 2−22480
particle spectrometer with MWPC and scintillation counter for neutron-induced reactions 2−3439
photomultipliers gain regulation system using LED and optical fibres 2−17236
photon detector efficiency for monochromatic photons 25 to 234 MeV 2−27033

scintillation counters continued
plastic, large area manufacture and test *(Chinese)* 2−22494
plastic scintillator, low energy γ-rays detection 2−3391
PMMA/polystyrene plastic scintillator of increased transparency containing ^{6}Li 2−11809
PMMA/polystyrene plastic scintillator of increased transparency containing ^{6}Li 2−17252
polystyrene-PMMA copolymer scintillator optical characteristic stabilisation by prolonged heating 2−27053
pulse height spectrum anal. appl. 2−27062
recoil-proton neutron counter telescope using Si detector and plastic scintillator 2−27058
remotely controlled power supply for photomultipliers 2−27079
SCGIC scintillator glass shower detector, longit. response 2−17234
scintillator NE213, digital neutron-gamma pulse shape discriminator tests 2−3425
segmented calorimeter for high P_t jet expts. 2−3376
stability, pulse height changes 2−22487
tissue signature identification anal. of nuclear medicine images, texture anal. of uniform fields 2−11916
toxicity considerations in liquid scintillation counting 2−27063
TUNL fast neutron cross section facility, targets and detector 2−3365
two-dimensional position sensitive ΔE-E counter for energetic light charged particles 2−3377
$BaSO_4$(Eu) thermoluminophor fabrication and charact., thermoluminescent dosimeters appl. 2−11813
$Bi_4Ge_3O_{12}$ crystal scintillator, 35-175 MeV positron total absorpt. shower detection 2−17232
$Bi_4Ge_3O_{12}$ scintillator detectors for high-energy gamma radiation 2−3378
CaF_2:Eu single crystal, used for scintillation detector 2−27061
CsI:Tl γ scintillation length and amplitude effects of external electric field 2−27054
^{3}He-Xe proportional scintillation detector for neutron detection 2−11788
NaI (Tl) scintillation counter for flux density meas. from mixed γ-ray field 2−7281
NaI(Tl) detector, one-dimens., position-sensitive, design and construction 2−17244
NaI(Tl), fast neutron detection gamma spectrometer 2−3448
NaI(Tl), intrinsic background radiation from impurities, meas. for ^{232}Th, ^{238}U, ^{40}K conc. 2−11823
NaI(Tl) veto shields for Compton suppressed γ-γ coincidence meas. 2−11791
Xe, liquid, position-sensitive gamma-ray detector for positron annihilation expts. 2−11786

scintillation detectors *see scintillation counters*

scintillation spectrometers *see particle spectrometers; scintillation counters*

scintillators *see scintillation; scintillation counters*

scintillometers *see scintillation counters*

s.c.r. *see thyristors*

screening *see shielding*

screens, fluorescent *see fluorescent screens*

screens, phosphorescent *see fluorescent screens*

screens (display)
see also fluorescent screens
alpha-numeric picture screen colour displays, design features and appl. *(German)* 2−11544
character box raster scan CRT displays, kerning and proportional spacing 2−26777
colour TV kinescope screen pigmentation rel. to brightness and contrast of image reproduced *(Russian)* 2−16642
CRT horizontal raster display, horizontal and vertical ruling 2−26775
CRT horizontal raster dotted-font display, ruled cursor 2−26776
electroluminescent large-area image display, powder and film screens 2−17051
flat screen display techniques for pocket TV receivers 2−21946
flat screens, display technologies 2−7169
flat TV screen using liquid crystal matrix, operation and control *(Spanish)* 2−11190
graphic screens, requirements for very fast D/A convertors *(French)* 2−24569
holographic high-gain screens 2−10380
LED flat picture-display driven by digital video signal using time-division method *(Japanese)* 2−17058
LED picture-display device driven by digital video signal using current-division method *(Japanese)* 2−17059
multicolor holographic readout systems 2−20972
multiple display devices with different size screens, refresh, bulk storage programmable address config. 2−7033
projection TV distortion correction requirements 2−21954
CdS laser screen charact., dislocation influence 2−20867

screw dislocations
CdS, anisotropic cond. after plastic deform. and cond. along dislocations 2−24985
GaAs epitaxial layers, screw and circular structures 2−4998
GaAs single crystals, helicoidal twisting of dislocations, projection etching, SEM and TEM obs. 2−24958
Si epitaxial layers, screw and circular structures 2−4998

scrubbing (abrasion) *see abrasion*

scuffing *see abrasion*

SDI *see information dissemination*

sealing *see seals (stoppers)*

seals (stoppers)
see also glass-metal seals
corrosion-resisting topseal for cermet and other thin film resistors 2−9327
dust cover seal for edge connector in printed circuit boards 2−13292
magnetic fluid seals for rot. shafts, finite element anal. 2−15235
polyurethane paste use for sealing and decontamination *(German)* 2−8272
technology for reducing radial play in turbine bearing seals *(Russian)* 2−27595
Si-to-ceramic solder connectors, top seal composition 2−87

seawater
equatorial Atlantic Ocean, comparison of satellite and ship data on surface water temp. 2−12086
chlorophyll a, laser-induced Raman backscatter and fluorescence 2−7439
desalination system, stand-alone design, 8 kW ribbon photovoltaic array power system, drinking water provision 2−23850
design of high efficiency single and dual purpose plants with gas turbines 2−28314

seawater continued
microwave radiation from water surface, temp. variations in presence of ripples determ. 2−27283
microwave radiation of water surface, dielectric property variations influence 2−26948
polar oceans sounding, appl. of Kiel Multisonde system in Arctic and Antarctic waters *(German)* 2−7447
radionuclides simultaneous determ. by hydroxide precip. 2−7448
reverse running centrifugal pumps as hydraulic power recovery turbines for seawater reverse osmosis systems 2−28313
sampling using remotely-monitored equipment 2−27290
six port underway water sampling system 2−3618
surface EM wave propag. in 3.4-5.6 GHz range 2−2152
thermal power plant using seawater for condenser cooling, automatic control, anal. 2−17982
Cr-Ni-Mo steel corrosion-resistant condenser tube development *(German)* 2−27682

second-order optical susceptibility *see nonlinear optical susceptibility*

second sound
No entries

secondary cells
advanced batteries for economic storage of base-load electricity 2−28087
advanced battery systems, new materials 2−12790
alkaline battery systems, concentrated alkali electrolytes, thermodynamic properties 2−12805
automatic charger for Ni-Cd batteries *(Spanish)* 2−18339
automatic charging current control cct. *(German)* 2−12723
automatic washing of batteries, advantages 2−12787
batteries for photovoltaic power systems, computerised testing 2−12809
battery design for use in starting diesel generator set *(Norwegian)* 2−23408
Battery Energy Storage Test Facility development 2−12778
battery requirements for photovoltaic energy storage 2−12810
battery requirements of electric vehicles 2−28096
battery separators, SC family from RAI Research Corp. 2−12776
beta-battery, vel. to behaviour of Cr coated steels in Na polysulphide environments 2−18447
car batteries, winter performance, power consumption and output charact., weight reduction *(French)* 2−18431
choice of batteries, economical buy 2−23406
colloquium, review of traction batteries for road vehicles, IEE, London, England (1982) 2−23901
concentrating solar panels design and application to electric/thermal energy conversion *(German)* 2−18075
coupling between a photovoltaic panel and the power grid with battery storage 2−3682
current-induced composition gradients in molten LiCl-KCl battery electrolytes 2−12817
cycle life of near-term batteries, effect of depth of discharge 2−12801
discharge process of a lead-acid battery in an electric vehicle 2−4330
effects of constant current/constant voltage charge parameters on lead acid traction cell performance 2−12808
electrochemical and morphological study of the effect of temperature on the restructuring and loss of capacity of alkaline battery electrodes 2−12806
electrochemical H-Cl energy storage system operating parameter optimisation for minimum capital investment 2−12783
electrochemical power sources for electric vehicles 2−4431
electronic watch power supplies, primary, secondary and solar cell appls. *(Czech)* 2−4328
emergency power sources for security and hospital paging systems *(German)* 2−18945
high temperature battery systems, use of coatings 2−18445
hospital installations power supplies and back-up sources in case of failure 2−27443
intercalation compound with TiS_2, $ZrSe_2$, VSe_2, secondary cell, electrochem. charact. 2−12781
laboratory evaluation of a pilot cell battery protection system for photovoltaic applications 2−12811
Li-organic electrolyte rechargeable batteries, TiO_2, anatase, as cathode materials 2−12785
low maintenance lead-acid batteries for energy storage 2−18437
mathematical life model for synchronous orbit 2−17506
molten salt cells, BN stability with Li-Si electrodes 2−7980
molten salt electrolyte cell for propulsion and load levelling *(German)* 2−18450
nonaqueous electrolyte solutions for ambient-temperature lithium batteries 2−12777
Pb-acid, behaviour during pulsed charging *(German)* 2−28090
Polaroid 6 V Polapulse battery designer kit No.4155, P100 planar batteries 2−12779
polyacetylene, use as cathode active material in lightweight rechargeable storage batteries 2−7977
power system peak shaving and regulation by batteries, hybrid simulation 2−17656
Pyrex cell, cond. of $Na_3Zr_2Si_2PO_{12}$ ceramic membrane 2−18443
rechargeable alkaline zinc/ferricyanide hybrid redox battery for utility load levelling and solar photovoltaic/wind appls. 2−12823
recommended surveillance and action requirements for large lead storage batteries at nuclear power generating stations 2−12348
redox flow cell, equivalent circuit parametric model requirements for bulk energy storage 2−12799
reliable starter batteries for diesel-driven plant 2−12514
reserve lithium batteries for missiles and other high rate applications 2−18456
sealed Pb-acid batteries for aircraft appls. 2−12036
small batteries, new designs 2−18428
solar cell/battery plants for Danish telecommunication systems power supply, test facility 2−23475
solar-electric cars using storage batteries, feasibility in the near future 2−28153
solid electrolyte batteries, EEC research, review 2−12798
solid electrolyte coatings for electrochemical devices 2−18416
solid fluorides as electrolytes, preliminary studies *(French)* 2−12775
solid-state electrochem. cells, electrode and interface reactions, review 2−12797
solid-state rechargeable battery, review of research 2−18430
starter battery discharge dynamics, equivalent cct. parameters determ., expt. and calc. 2−7982

secondary cells continued
status of new electrochemical storage and conversion technologies for vehicle applications 2−12813
status of rechargeable positive electrodes for ambient temperature lithium batteries 2−23410
synthetic battery cycling 2−12807
testing, interfacing laboratory instrumentation to a computer [battery testing] 2−3037
Al-air batteries for electric vehicle appls. 2−18725
Ca-Al/Si/FeS_2 cell employing LiCl-NaCl-$CaCl_2$-$BaCl_2$ electrolyte 2−12819
Fe-air battery vehicle mission anal. 2−12804
$FePS_3$ cathode in Li battery, synthesis, struct. and phys. props. *(French)* 2−18449
Li batteries, intermediate temperature, $LiNO_3$-KNO_3 molten salt as electrolyte, investigation 2−12821
Li battery systems, thermodynamic aspects of the reaction of lithium with ternary positive electrode systems 2−12820
Li Na_xCrS_2, for cathodes 2−7972
Li nonaqueous cells, primary and secondary, anode passivation 2−28084
Li, using $LiAsF_6$/tetrahydrofuran electrolyte, appl. of insoluble sulphide positive electrodes 2−28092
Li/LiAsF_6-2-Me-THF/TiS_2, electrodes morphological charcts. anal. using electrochemical and surface studies, application in spacecraft 2−12841
Li/LiI/I_2 (PVP) pacemaker battery, solid electrolyte role 2−12794
Li/SO_2Cl_2 inorganic battery system, effect of halogen addition on performance 2−12800
Li/$SOCl_2$ inorganic battery system, effect of halogen addition on performance 2−12800
Li/TiS_2 cells role of tetrabutylammonium bromide in LiSCN-1:3 dioxolane organic electrolytes 2−4333
Li/VO_x rechargeable cells using 2-methyltetrahydrofuran/$LiAsF_6$ 2−28091
Li-Al/FeS batteries, quick-charge feasibility 2−12814
Li-Al/FeS cell performance prediction equations, development by multiple regression analysis 2−12782
Li-Al/FeS_2 batteries, ceramic-coated positive current collectors 2−28093
Li-Al_2O_3 solid-state secondary battery system 2−12793
Li-Al/metal sulphide battery, BN felt separator 2−7981
Li-FeS battery system for electric utility storage and load levelling 2−18452
Li-S, electrochemical mechanism, props. and uses *(Italian)* 2−4332
Li-Si/LiI(Al_2O_3)/metal sulphide solid state system, investigation 2−12818
LiAl-FeS, recycle of battery materials 2−12812
LiAl-FeS batteries, high temperature, ceramic separators 2−12815
LiAl-FeS batteries, thermal properties 2−12816
Li_xCoO_2, cathode material for batteries of high energy density 2−12792
Li_2FeS_2, cathodic material for Li secondary battery 2−18444
$Li_9N_2Cl_3$ as solid electrolyte for practical battery appls. 2−12784
MnO_2, variation of cond. with Li insertion 2−7979
MnO_2-Zn cells requiring anodic limitation rechargeable, Zn powder electrodes 2−12786
Na batteries, use of Na_xCoO_2 bronzes for cathodes 2−12791
Na cell, moderate temp., molten $NaAlCl_4$ electrolyte, VS_2 and NbS_2Cl_2 rechargeable cathodes 2−28094
Na/S, β-Al_2O_3, solid electrolyte, degradation mechanism 2−18448
Na/S, high capacity, physics *(French German)* 2−28088
Na/S batteries, state of development and prospects 2−12795
Na-$AlCl_3$ cells using solid electrolytes with molten Na anodes and cathodes composed of S compounds and $AlCl_3$ 2−12829
Na-Na cells, ion transport with β-alumina membranes 2−18441
Na-S, electrochemical mechanism, props. and uses *(Italian)* 2−4332
Na-S, recycle of battery materials 2−12812
Na-S battery, hollow fibre, recent developments and progress 2−12824
Na-S battery, large size, development *(German)* 2−23407
Na-S battery development, state-of-the-art 2−12788
Na-S battery development, use of coatings 2−18445
Na-S battery for small stand-alone solar and wind energy systems 2−12827
Na-S battery for utility load levelling 2−18451
Na-S cell, corrosion resistant current collector, tests 2−12828
Na-S cell resistance rise, β-alumina composition effects 2−18440
Na-S cells, β-Al_2O_3 interface resistance study 2−18442
Na-S cells, charact. and corrosion behaviour of duplex chromised steel for S container 2−18446
Na-S cells, performance of sodium-beta alumina solid electrolyte 2−12825
Na-S cells, resist. ageing of β-Al_{O3}-Na_2O ceramics 2−18439
Na-S small batteries for load levelling, performance anal. 2−12826
NaS batteries, beta-alumina electrolyte manufacture and use 2−23411
NaS battery for electric vehicles 2−28097
NaS cell, C felt influence on performance 2−12796
Ni-Cd and Li cells from Varta Batterie AG, charcts. *(German)* 2−4331
Ni-Cd batteries, review 2−18453
Ni-Cd battery for multiple satellite appls. 2−17504
Ni-Cd cell cycle lifetime prediction eqn. for Low Earth orbit 2−17505
Ni-Cd cell operation, amateur radio appl. 2−6739
Ni-Cd cell recharging, automatic cct. for one-hour rate 2−28001
Ni-Cd cells, interchangeable linkage of photovoltaic solar generators *(German)* 2−18467
Ni-Cd cells, separators 2−18454
Ni-Cd cells, uses and abuses 2−18438
Ni-Cd sealed cells, with plastic bonded electrodes, reduction of oxygen, investigation 2−23412
Ni-Cd spacecraft batteries, effects of cell reversals during reconditioning 2−17502
Ni-Cd Viking Lander battery performance, degradation, and reconditioning 2−17503
Ni-Fe, electrochemical mechanism, props. and uses *(Italian)* 2−4332
Ni-Fe, recycle of battery materials 2−12812
Ni-Fe batteries, alternative to Pb-acid elec. vehicle propulsion, tests 2−12803
Ni-H_2 battery for spacecraft, real life test performance 2−17507
Ni-H_2 battery system, historical overview 2−17510
Ni-H_2 prototype cell evaluation tests 2−17509
Ni-Hz battery for NTS-2 spacecraft, update 2−17508
Ni-iron batteries for electric vehicle appls. 2−18455
Ni-Zn, electrochemical mechanism, props. and uses *(Italian)* 2−4332
Ni-Zn, recycle of battery materials 2−12812
Ni-Zn batteries, rapid charging, with vibr. electrode stack 2−4334
Ni-Zn batteries for electric vehicle appls. 2−18455
secondary cells continued
Ni-Zn batteries for electric traction, Lucas R&D activities 2−28098
Ni-Zn battery for electric vehicles 2−12789
Ni-Zn cell, problems and projections 2−12802
NiCd, comparision with sealed Pb-acid batteries, disadvantages *(Swedish)* 2−28089
NiO-Fe battery performance in elec. vehicle appl. 2−28099
$NiPS_3$ cathode in Li battery, synthesis, struct. and phys. props. *(French)* 2−18449
Pb acid, electrochemical mechanism, props. and uses *(Italian)* 2−4332
Pb acid, sealed units, design, construction and potential appls. 2−12780
Pb, fibre reinforced, anodic corrosion 2−18433
Pb-acid, sealed, properties and principles *(Swedish)* 2−28089
Pb-acid batter expander activity correlation between microelectrode and pasted electrode 2−7974
Pb-acid batteries for electric vehicle appls. 2−18455
Pb-acid batteries for energy storage in photovoltaic system, battery protection using bistable relay regulator 2−23427
Pb-acid batteries for hybrid electric vehicles, charcts. 2−18720
Pb-acid batteries for photovoltaic systems, operational experience 2−23523
Pb-acid battery grids, pasted, corrosion-resist, composite cell testing 2−7975
Pb-acid cells, industrial motive power type current density and electrolyte distrib. 2−7973
Pb-acid stationary batteries, float service and self-discharge characteristics, telephony appl. 2−16253
Pb-H_2SO_4, AC impedance of PbO_2 formed on Pb-alloys 2−23409
PbO_2, phase formation process 2−18436
Sb-Sn wrought grids for cell, deep discharge cycle cell life 2−7976
Ti(III)/Ti(IV) couple for redox battery appl., enhancing performance 2−7978
Zn-air batteries, state-of-the-art review 2−12774
Zn-Br, recycle of battery materials 2−12812
Zn-Br batteries for stationary energy storage 2−12822
Zn-Br_2 advanced storage battery, coextruded conductive plastic sheets as bipolar electrodes 2−23414
Zn-Cl, electrochemical mechanism, props. and uses *(Italian)* 2−4332
Zn-Cl, recycle of battery materials 2−12812
Zn-HgO, alkaline, impedance meas. method 2−18434

secondary electron emission
amorphous materials, secondary electron emission props. meas. 2−9352
beam tetrode computer simulation, physical process studies 2−24861
electron beam lithography, resolution limits 2−14757
graphite surface, pyrolytic, sputter-textured, electron reflection and secondary electron emission 2−14566
multipliers, amplitude distribution during low-energy electrons recording 2−1127
reduction pyrolytic graphite multistage depressed collector electrodes with textured for TWT efficiency improvement 2−9365
refractory carbides, emission-adsorpt. props. anisotropy 2−9356
SEM, surface, resolution limits 2−14757
space craft irradiated dielectrics, material parameters effect on charging charcts. 2−20432
GaP:Cs secondary emitter *(Chinese)* 2−9359

secondary emission
see also secondary electron emission; secondary ion emission
No entries

secondary ion emission
see also secondary ion mass spectra
No entries

secondary ion mass spectra
semiconductors, U and Th trace impurity analysis techniques for LSI materials *(Japanese)* 2−14605
SOS films with negative and positive interfacial charges 2−5639
Al/n-Si, small area laser beam annealing, subsurface alloying and deep Al penetration 2−1232
Al-SiO_2-Si MOS structs., metallisation by secondary-ion mass spectrometry *(Russian)* 2−14804
$Cd_xHg_{1-x}Te$, VPE using organometallics elec. props. and charact. 2−584
$CuInSe_2$, thin films, ion-beam sputtered, characterisation 2−5599
GaAS:Zn(Mg)(Si)(Se) ion-implanted homojunction solar cells, pulsed ruby laser annealing, SEM, TEM and SIMS meas. 2−18554
GaAs, anodic oxide film, comp. and dielec. strength, SIMS study 2−25160
GaAs:Fe, heat treated substrate, photoluminescence props. studies 2−9425
GaAs:Mn, heat treatment below Si_3N_4 encapsulant of Mn implant, dopant profiles and diffusion mechanism *(French)* 2−1298
GaAs:Mn,Fe, heat treatment effects on surfaces, thermal redistrib. of impurities 2−1195
GaAs:Si, implanted, multiply scanned electron beam annealing, SIMS anal. 2−24955
GaAs-metal contact interface, metallurgical and elec. props., heat treatment effects *(Chinese)* 2−14692
p-GaP/Au-Zn contact system, out-diffusion process, barrier metals effect 2−25069
InAlAs/InGaAs MBE layer structs., ion beam anal. 2−19413
InP, liq. encapsulated Czochralski growth, B contamination and precipitation 2−4979
InP, semi-insulating, Fe and Cr redistrib. 2−5689
InSb, anodic oxide film, comp. and dielec. strength, SIMS study 2−25160
S:As, through oxide As implanted, recoil O implants and O thermal redistrib. 2−1280
Si, denudation zone and internal SiO_x nucleation control, role of stabilised back-surface damage 2−5528
Si, oxidation by ion implantation and laser irradiation 2−9566
Si:As, CW laser and electron beam annealed, Rutherford backscatt. and SIMS anal. 2−25108
Si-F-H amorphous film, Schottky-barrier and MIS solar cell appls. 2−23564
Si-SiO_2 interface defects, low temp. annealing and hydrogenation 2−5636
TiB_2 film electrode behaviour in Si vacuum deposited thin film solar cell 2−28113
WSi_x-Si:P annealing behaviour, effect on MOSFET IC device fabrication 2−5820
ZrO_2 thin films for solid electrolyte fuel cells by RF sputtering 2−12836

security of data
see also cryptography; data handling; data privacy
23 GHz microwave link, small size 2−16378

security of data continued
automatic speaker verification using word recogniser, minicomputer 2−15867
automatic telephone speech verification system, security appl. 2−16070
chip cards for funds transfer, identification and access control 2−9101
computer data protection, AmZ8000 CPUS, LSI/MOS peripherals, charcts. 2−14122
computer networks, secure architecture options 2−10869
distributed database management system architectures 2−21610
electronic mail network, ISO standard 2−16106
military, EFTS, manufacturing datacom. systems 2−15828
network user data end to end security provision 2−10871
on sharing secrets and Reed-Solomon codes 2−10626
parallel processable trapdoor knapsack public-key cryptosystem 2−4629
PROM programming choices, flexibility and security of data *(German)* 2−24511
public key protocols, security 2−21647
safety system fuzzy statistics model 2−4630
satellite broadcast security system 2−21306
satellite security system operating specifications, development 2−21812
security of telecommunication networks application in the area of Ile-de-France 2−21437
switched communications in computer networks, low level security 2−16204
telecommunications organisation information transfer systems standardization *(German)* 2−21414
Teletex document and session protocol enhancement to incorporate encipherment and/or digital signature 2−2472
TV satellite transmission, video security systems 2−21811

security of information *see security of data*

sedimentation
see also disperse systems; sediments; water treatment
coal liquefaction technology, sedimentation by addition of antisolvent liquids 2−3834

sediments
see also sedimentation
acoustic reflections from subsurface layered media, event enhancement 2−27285
conductivity determ. using sea current electric field 2−12082
lake basins, paleolimnological uses of X-ray spectrometry 2−3615
magnetic granulometry of sediment cores, rapid method with appls. to environmental studies 2−17550
ocean bottom, γ-ray spectrometer complex for sediment analysis 2−17567
sand bedforms movement monitor, with EPROM data storage 2−22731
sea sediment identification 2−27293

Seebeck effect
semiconductors, compensated, localised charge carriers, particle statistics and transport 2−9390
thermoelectric EMF of battery grade manganese dioxide 2−23405
Cd_3As_2, amorphous films, elec. transport props. 2−20105
Ge-Se, glass, doped, elec. transport props. 2−25005
Ge-Te, glass, doped, elec. transport props. 2−25005
O nonisothermal probe for continuous O meas. in steel 2−11468
$(Se_{0.5}Te_{0.5})_{1-x}M_x$ (M=Cu,Tl,Ag,Na) liquid semiconductor, elec. cond., thermopower and mag. susceptibility 2−20114
Si, amorphous, electrical cond. and thermoelec. power 2−25017
$n\text{-}Si_{63.5}Ge_{36.5}$, thermal cond. and thermoelec. conversion, phonon-grain boundary scatt. effect 2−20112
$V_2O_5\text{-}TeO_2$ semiconducting glass, elec. cond., thermopower and optical absorpt. 2−25012

Seidel theory *see aberrations*

Seignettoelectric materials *see ferroelectric materials*

seismic waves
see also seismology
mantle waves, recording system and magnitude scale 2−17542
surface multiple suppression in non-normal incidence seismogram, filter design 2−27261
travel time measurements, error estimates for inverse seismic modelling schemes 2−17543
tsunami, mantle wave magnitude scale appl. to prediction 2−17542

seismographs *see seismometers*

seismology
see also earthquakes; seismic waves; seismometers
adaptive deconvolution of seismic signals, prediction theory *(Hungarian)* 2−7427
cepstrum analysis theory and appl. 2−10684
digital signal processing, display enhancement for seismic interpretation 2−10685
earthquake prediction, appl. of telemetry ocean bottom press. obs. system at 2200 m 2−17566
exploration seismology, amplitude and phase response of seismic vibrator 2−7414
FAK-P facsimile equipment as a recorder in seismic profiling systems 2−3199
geophysical photometric detector, with automatic display regulator *(Russian)* 2−7411
groundwater exploration in Sudan, via combination of elec. resistivity, seismic refr. and gravity meas. 2−17564
high-resolution seismic sounding, guidelines for selecting seismic detectors 2−17556
hydrophone design, device for calibration of seismic streamers and air guns 2−22715
inverse modelling schemes using seismic travel times, error estimates 2−17543
nuclear reactor safety, EPRI sponsored research 2−27615
real time data processing system for seismic wave signals *(Japanese)* 2−12060
statistics appls. 2−8490
telemetering equipment for Japanese coseismic terrestrial electricity data system *(Japanese)* 2−7410
vertical seismic profiling, optimal polarisation concept appl. 2−17557

seismometers
see also seismology
airgun firing data acquisition system with ocean bottom seismometer *(Japanese)* 2−22711
data acquisition, Moxa-Jena system *(German)* 2−22189
earthquake seismograph development, modern history 2−3580
earthquake seismograph development, modern history 2−7413

seismometers continued
geophoric (of ocean bottom seismometer), S/N ratio for low freqs. 2−17541
high-resolution seismic detectors, selection guidelines 2−17556
hydrophone (low seismic freq.), S/N ratio as function of depth 2−17541
hydrophone design, device for calibration of seismic streamers and air guns 2−22715
ocean bottom seismometer, time code reader, data processing appl. *(Japanese)* 2−22712
surface multiple suppression in non-normal incidence seismogram, filter design 2−27261
torsional vibration pickups natural period lengthening magnetic device *(Japanese)* 2−22718

selective dissemination of information *see information dissemination*

self-adjusting systems
see also learning systems; model reference adaptive control systems
ADF, an experimental self-adaptive digital filter 2−24608
digital control methods for power station plants based on identified process models 2−3935
plasma MIG welding, new torch and starting method *(Dutch)* 2−13112
PWR power station self-tuning load-following control 2−3882

self-diffusion
see also self-diffusion in gases; self-diffusion in solids
No entries

self-diffusion in gases
SF_6 into N_2 determ. 2−25374

self-diffusion in solids
Si, two dimensional diffusion of self interstitials during oxidation, analytical soln. 2−24947

self-focusing
see also electrostriction; optical self-focusing
EM wave propag. in nonlinear media; nonlinear integro-differential equation *(Russian)* 2−10358

self-induced transparency
semiconductor, biexcitons, M-luminesc. band region, self-induced transparency 2−25846

self inductance *see inductance*

self-optimising systems *see self-adjusting systems*

self-organising systems *see self-adjusting systems*

selsyns *see synchros*

SEM *see scanning electron microscopy*

semi-insulating materials *see semiconductor materials*

semiconductor alloys *see semiconductor materials; semiconductors*

semiconductor counters
see also position sensitive particle detectors
avalanche photodiodes, triggered avalanche detection of IR photons 2−16979
channeltrons, appl. in conversion electron Mossbauer spectroscopy 2−17220
chevron microchannel plate, response to 2.5 and 14 MeV neutrons 2−9379
coal, ash content anal. using annihilation radiation 2−3385
energy dispersive detectors, bibliography (1981) 2−23894
gamma-ray telescope, passively anti-collimated, design, calibration and sensitivity 2−11785
hybrid scintillation-photodetector detector system, with improved energy resolution 2−11811
instrument for light impurity atoms lattice location studies by (n,α) reaction 2−3384
low energy photons self-absorption, method for correction 2−11820
MOS ionisation dosimetry device fabrication and testing 2−17434
nuclear medicine imaging with semiconductor gamma cameras 2−27154
radioactive sources, γ-ray energies meas. using Ge semicon. detectors 2−11787
recoil-proton neutron counter telescope using Si detector and plastic scintillator 2−27058
p-Si for nuclear emission detectors, deep-level investig. *(Russian)* 2−14621
solid state devices, background meas. 2−27032
spectrometric data processing, analogue unit 2−11410
surface barrier detectors, current pulse pickoff technique 2−3406
variable-gap semiconductor, nucl. radiation detection, energy and range determ. 2−27060
X-ray detection, with correlation charge-sensitive preamplifier 2−7280
X-ray energy spectrometers with semicond. detector, window absorpt. and efficiency loss meas., standard techniques 2−27105
CdTe detector characteristics for γ dosimetry 2−27213
CdTe detectors, thyroid tracer gamma monitoring appl. 2−11894
CdTe surface barrier diodes as detectors for energetic charged particles, evaluation 2−3387
Ge counters, laser-doped Li contacts 2−11797
Ge detector, on-line neutron capture gamma anal. 2−3386
Ge detector, proton loss by nuclear inelastic interactions 2−3390
Ge detector for precise beta endpoint energy determ. 2−27039
Ge detectors, response to monoenergetic electron, positron and gamma ray beams 2−22479
Ge intrinsic detectors, photon response calc. up to approx. 300 keV 2−3373
Ge X-ray detector, comparison with Si(Li) detector 2−27065
Ge(Li) coaxial detector for fission reactor fuel element response determ. *(Croatian)* 2−27642
Ge(Li) coaxial detectors, absolute photopeak efficiency calc. in energy region 0.1-3.0 MeV 2−3371
Ge(Li) coaxial detectors, charge losses in sensitive film near-surface region *(Russian)* 2−17257
Ge(Li) detector, efficiency calibration at short source-to-detector distance 2−17237
Ge(Li) detector calibration for neutron activation anal. *(Rumanian)* 2−17255
Ge(Li) detector response for total absorption of photons 2−3347
Ge(Li) detectors, activity meas. using sum peaks 2−11800
Ge(Li) detectors for X-ray spectrometry 2−27064
Ge(Li), efficiency calibration *(Chinese)* 2−22485
Ge(Li) γ-γ coincidence counter, Compton suppression spectrometer, NaI(Tl) veto shields 2−11791
Ge(Li), large cylindrical counters, response to γ-rays 2−11793
Ge(Li) single-ended coaxial detector, fabrication *(Chinese)* 2−22484
HgI_2 detectors for energy-dispersive X-ray spectrometry 2−27104

semiconductor counters continued
HgI_2, fast neutron detection gamma spectrometer 2−3448
NaI(Tl) detector, efficiencies and parasitic pulses for spherical source system, Monte Carlo calcs. 2−3380
Si counters, laser-doped Li contacts 2−11797
Si detector, (n,α) and (n,p) lines position and profile quantitative explanation 2−7277
Si detector, dead layer evaluation using neutron induced reaction 2−1281
Si diode matrix array for α-particle autoradiography 2−3402
Si, dislocation free in surface barrier detectors, cluster nonuniform distrib. effects *(Russian)* 2−14622
Si p-type multicomponent telescope for charged particle spectrometry and identification *(Russian)* 2−17314
Si particle detectors, background noise caused by sea level cosmic rays 2−27031
Si surface barrier detector, ^{244}Cm and ^{252}Cf spontaneous fission fragments pulse height spectra 2−11784
Si surface barrier detector for time-of-flight spectrometer 2−11871
Si surface-barrier detectors, proton-induced nuclear reactions 2−17247
Si(Li) detector, soft X-ray spectroscopy, pulse pileup detection optimisation 2−3372
Si(Li) detector response function appl. for W library standard anal. 2−11801
Si(Li) detectors, efficiency for low X-ray energies 2−27068
Si(Li) detectors for X-ray spectrometry 2−27064
Si(Li) windowless detectors for energy-dispersive light-element X-ray anal. 2−27066
Si(Li) windowless detectors, props. and appls. for energy-dispersive X-ray spectrometry 2−27067
Si(Li) X-ray detector, comparison with Ge detector 2−27065
Si(Li)-Ge(Li) coincidence cct. adjustment, radioactive sources 2−11755
SiO_2 breakdown detector, impact ionisation model, fission product detection 2−11846

semiconductor defects *see crystal defects*

semiconductor device manufacture
Used for commercial manufacture only
automated system for operation and control 2−18982
development in Silicon Valley *(German)* 2−5710
effects of gold-plating additives on semiconductor wire bonding 2−18993
epitaxial layer growth, production process for semiconductor components *(German)* 2−19410
Europe, semiconductor industry, summary of market situation *(Italian)* 2−23862
high purity water production system 2−23848
Indian components industry review 2−13137
photovoltaic industry overview: the results of a survey on photovoltaic technology industrialization 2−18595
power transistors, improved cost effectiveness and product reliability through solder alloy development 2−9339
process control using ellipsometry 2−14748
reliability of active elements, testing and optimisation *(Polish)* 2−5714
review 2−20218
Solar Array Manufacturing Industry Simulation program for photovoltaic modules, user evaluation 2−23578
solar cell manufacture, automated process sequence using preformed cell contacts/interconnects, cost of $0.64/peak watt in 1986 2−23499
solar cell production technologies economic impact on society 2−18596
thin-film solar cell research at Institute of Energy Conversion, Delaware, USA, progress report 2−4369
CdS sintered ceramic ribbon solar cells, low cost, basic production processes development programme 2−12882
GaAs FET, plasma etched via connections 2−1388
Si wafer fabrication plants, liquid N_2 filters and gas purifiers, gas analyzers 2−20179

semiconductor device models
abrupt heterojunctions in equilibrium, anal. 2−20126
abrupt-junction millimetric varactor doublers using Schottky diodes, anal. 2−9225
analysis programs for devices including bipolar FETs *(Japanese)* 2−25173
bipolar circuit structures spatial one- and two-dimensional anal. using ZANBIT computer program on ESER 1040 computer *(German)* 2−25338
bipolar devices, design method using two dimensional device simulator 2−5731
bipolar devices, pulsed neutron irrad. rapid annealing factor 2−25205
bipolar ICs, computer aided prediction of HF performance limits 2−25336
bipolar junction transistors, charge-control model appl. 2−1355
bipolar microwave transistors, modelling with simulating program SPICE *(German)* 2−1347
bipolar power transistors, modelling for CAD 2−1362
bipolar semiconductor components simulation and anal. using TRANAL programming system *(German)* 2−1360
bipolar transistor, LF incremental collector output resistance, dependence on device structure, modelling and base-emitter drive conditions 2−14845
bipolar transistor, two-dimensional, numerical simulation of transient processes 2−14849
bipolar transistors, sidewall effects in shallow emitter 2−9626
bipolar transistors, submicron for HF low-current operation, electron-beam lithography 2−9628
bipolar transistors at different bias conditions, equiv. cct. modelling 2−1361
bulk-barrier diodes, self consistent numerical anal. *(German)* 2−25182
buried channel/surface channel CMOSFET IC isolated by implanted SiO_2 layer 2−25352
C-CD, model of charge handling and injection 2−20264
C-CD, self-induced field profile, steady-state distrib. of signal carriers 2−1371
C-CD, surface channel, numerical anal. of charge capacity 2−5754
C-CD imager, gamma radiation induced noise 2−15001
C-CD three-colour three-channel image sensors, anal. 2−10162
CASMOS, accurate MOS device model with geometry-dependent parameters 2−20266
chalcogenide thin films, switching transient state characts. anal. based on space charge overlapping model 2−9452
charge carrier transfer determ. *(Russian)* 2−9601
CMOS IC, parasitic SCRs operation modes anal. 2−15002
CMOS IC distributed effects role in latch-up 2−15003

semiconductor device models continued
CMOS VLSI, bulk ICs, limitations due to parasitic SCR paths, DC model 2−9748
diode, one-dimensional symmetric model, numerical soln. 2−9603
diode forward recovery characts., computer modelling 2−25186
electrolyte bathed chemically sensitive semicond. devices, kinetics of drift of gate voltages 2−20158
electrostatically controlled thyristor, blocking state theory 2−20246
FET, ballistic transport obs. by noise meas. 2−25249
FET channel noise model, impedance field method, mathematical formulation 2−25268
FET ICs, submicron, device modelling hierarchy 2−9747
floating gate ionisation injection MOS (FIMOS), n-channel, one dimensional writing model 2−1375
Gunn diodes, contact heating of electrons, domain dynamics 2−20224
hardened IC terminal modelling 2−14908
HF bipolar transistors, collector-emitter capacity *(Rumanian)* 2−1351
hot carrier conditions, noise meas. modelling 2−25178
hot electron noise props. in nonzero collision duration regime 2−24908
hyperabrupt devices, determ. of initial mesh for computer simulation 2−9602
I^2L devices based on quasi-three-dimensional modelling, efficient AC and DC anal. 2−25333
IC process modelling with simulation program SAMPLE 2−9720
IGFET, n-channel, time-dependent numerical model 2−5753
IGFET with two-layer dielectric, stationary distrib. of uncompensated mobile charge 2−9665
IMPATT device, hot carriers, high freq. behaviour, semiparticular simulation 2−25190
injection laser modulation dynamics, large-signal circuit model for simulation 2−1950
integrated Schottky logic devices response in neutron, total dose and dose rate environments 2−14062
JFET channel thermal noise model using active R-C line approach 2−25269
JFETs, low-noise 4-terminal devices, noise meas. and model for fluctuations caused by point defects 2−25272
lasers, nonlinear circuit model 2−10296
MESFETs, microwave monolithic elements, two-terminal model characterization 2−24715
metal-semiconductor contact injection phenomena, nonmodel theory and appls. 2−9502
MIS diode, pinhole model 2−14880
MIS solar cells, pinhole model 2−18486
MIS structure, charge-transfer, electrode gap role 2−25256
MNOS memory element, conductivity activation energy change, mechanism 2−1206
MNOS memory element structures, degradation phenomena, mechanism 2−9664
MOS capacitors, field-sensitive interface states, total dose hardness assurance implications 2−14708
MOS devices, fringing field effects, three-dimensional model 2−9672
MOS power transistor, ON-resistance-breakdown voltage product theoretical limitation *(French)* 2−5752
MOS transistor, controlled two-stage diffusion model for boron *(Russian)* 2−1299
MOS transistor model for computer simulation, accurate over wide current range *(French, German)* 2−25218
MOS VLSI, totally silicided conductors, transmission line models, contact resist. calc. 2−20428
MOS-oxide charge induced junction solar cells 2−18498
MOS-transistor parameter determination, optimisation procedure 2−1386
MOSFET, 3-D table look-up model for precise circuit simulation 2−14889
MOSFET, depletion-mode with short and narrow-channel effects, analytical modelling 2−20265
MOSFET, minimum size enhancement and depletion type, 2-D numerical anal. 2−25265
MOSFET, narrow width, including tapered oxide and doping encroachment, threshold voltage prediction 2−20258
MOSFET, short and narrow channel, geometrical model of threshold voltage 2−25254
MOSFET, short channel, CAD model for threshold and subthreshold conduction 2−14890
MOSFET, short channel, parameter sensitivity determ., numerical simulation 2−25255
MOSFET, small geometry, analytical expression for threshold voltage 2−9671
MOSFET, small geometry, Monte Carlo anal. of sensitivity of threshold voltage 2−25221
MOSFET, small geometry, three dimensional numerical simulation of size effects 2−25264
MOSFET, submicron, carrier vel.-elec. field relation and field distrib. 2−25248
MOSFET devices, hot carrier effects, injection and surface trapping 2−25262
MOSFETs, field effect mobility, bulk doping depend. 2−9661
MOST, dual-gate, short-channel threshold voltage effects, surface potential calc. 2−25266
MOST, electrical characts. in direct shift of source-substrate p-n junction *(Russian)* 2−25219
MOST, short n-channel, anal. of degradation under channel hot electron effect 2−25260
MOST with profiled drain region 2−5747
n^+-p^--p^+ lateral diodes made from low press. CVD polycryst. Si films, energy distrib. of traps at grain boundaries 2−25196
n-channel enhancement-mode MOSFET characteristics from 10 to 300K 2−20259
noise sources, RFI aspects, simple models 2−10523
p^+-i-n^+ negative resist. diode with control MOS gates, model 2−1336
p^+-n-n^+ solar cells with hole diffusion lengths comparable with the base width: a simple analytic model 2−12879
p-i-n, forward-biased, Volterra series representation 2−20225
p-n junction, abrupt, forward biased, model for terminal characts. and inject efficiency 2−25060
p-n junction devices, open-circuit voltage decay, theory 2−14678
p-n junction diode, normal modes for materials parameter determ., open-circuit voltage decay 2−9619
p-n junction system under high power pulse radiation, continuity eqn. soln. technique *(Russian)* 2−9604
p-n junctions, computer-aided analysis 2−9482

semiconductor device models continued
p-n symmetric step junction, transition region modelling 2−25061
photodetectors, position sensitive, effects causing nonlinear position response 2−22273
power diode and thyristor models *(German)* 2−20248
power lateral double-diffused MOST, effects of drift region parameters on static properties 2−20257
power MOSFET, paralleling for higher power output 2−9674
power MOSFET, switching performance 2−9673
power MOST, saturation resistance, weak multiplication effects 2−25251
power semiconductor devices, temp. rise calc. using equivalent circuit *(Czech)* 2−14814
power transistor, reverse second breakdown characts. meas. before and after neutron irradiation 2−14844
process modeling of integrated circuit device technology, CAD, review 2−5786
pulsed laser heating of device structs., computer model 2−5715
RAM, bipolar, prediction model in high energy ion/proton environment 2−14104
Schottky diode struct., combined diffusion model and diffusion-thermionic-emission model 2−1338
Schottky-barrier diode, illumination influence on majority carrier quasi-Fermi level 2−1344
small geometry depleted base bipolar transistors on bipolar static induction transistors 2−9629
solar cell, efficiency calcs. for cell with inhomogeneous areal distrib. but constant number of recomb. centres 2−28124
solar cell, high-low emitter, in concentrated sunlight, analytical model 2−18485
solar cell eqn. in framework of reaction kinetics 2−18586
solar cell numerical simulation of open circuit voltage decay 2−18466
solar cells, double-exponential current-voltage characts., effects on cell performance 2−12878
solid-state devices, conf., Toulouse, France (Sept. 1981) 2−23892
SOS MOSFET two-dimensional analysis 2−25238
SOS VLSI fabrication by ion implantation, SUPREM-like 2D process simulator, field implant redistrib. 2−20426
structures and devices, physical modelling 2−1329
submicron device modelling, appl. of non-steady state carrier transport in semiconds. 2−25174
submicron device physics, modelling, conceptual problems 2−14822
submicron device transport, use of Wigner distrib. function 2−25177
submicron devices, transport theory 2−25176
surface charge packets, cube-root broadening 2−9600
symmetrical cell up-diffused I^2L 2−14061
thyristor, modelling of transitional process *(Russian)* 2−1367
thyristor commutation unit, mathematical model *(Bulgarian)* 2−9635
transferred electron devices, microwave monolithic elements, two-terminal model characterization 2−24715
TRAPATT diode, p^+-n-n^+ and n^+-p-p^+ structs., plasma formation and extraction differences 2−5719
vertical double-diffused MOS power transistor drain-source resist. radiation depend. 2−14862
VLSI, modelling and meas. of two dimensional low conc. B profiles 2−1450
VLSI LOCOS technology, local oxidation of Si, two-dimens. process modelling 2−20377
VLSI MOSFETs, bulk charge effects 2−15016
VLSI Si bipolar transistors, elec. meas. and modelling of emitter base junction behaviour 2−14974
VLSI structures, neutron-induced hard errors study 2−14970
VMOS power transistors for CAD, modelling of Epidrain effects 2−1387
Al-poly-Si Schottky-barrier solar cell, large grain, majority carrier current characteristics 2−4341
Al-Si Schottky diodes, nonuniform, elec. behaviour, two-dimensional model 2−5726
AlGaAs heterojunction photodiodes structures, radiation hardened, computer modelling 2−20744
AlGaAs photodiode structures, computer modelling and radiation testing 2−15404
Au-doped MOS capacitor, truncated load method for modelling *(Rumanian)* 2−1239
GaAs *(French)* 2−14040
GaAs, ballistic transport with collisions 2−1139
GaAs diode structures based on direct-gap semiconductors, numerical anal. 2−1339
GaAs FET noise characterization at 18 and 20 GHz using noise waves model, computer implementation 2−24708
GaAs IMPATT diode, electrons and holes ionisation rates study using computer anal. 2−9616
GaAs MESFET low-freq. noise at low drain voltages 2−25274
GaAs MESFET modelling for CAD of circuits *(French)* 2−14853
GaAs microwave MESFETs, mutual coupling between electrodes three-coupled-line theory 2−14303
GaAs short channel device, hot carriers, space and time dependent transients 2−25175
GaAs short-channel MESFET operation II, transient behaviour 2−25235
GaAs transferred electron devices, 100 GHz, computer simulation 2−25180
GaAs-GaAlAs LEDs, influence of bias current on modulation behaviour, modelling 2−6114
Ge MM-wave detector using hot carriers, performance 2−19887
Si back surface field solar cells, theory 2−28122
Si devices, new approach to device anal. 2−9606
Si n^+-p diffused solar cell, effect of junction depth on performance 2−18487
Si n^+-π-p-π-p^+ avalanche photodiodes, noise in weak multiplication regime 2−25630
a-Si P-I-N solar cells, field and light depend. effects, model 2−23531
Si semicrystalline Schottky diode, quantitative model of grain boundaries influence on junctions space charge 2−20233
Si short-channel MESFET operation II, transient behaviour 2−25235
Si solar cells, high efficiency, computer modelling on diffused Si cells *(Korean)* 2−18480
a-Si:H and a-Si:F:H P-I-N solar cells, photovoltaic behaviour 2−23533
a-Si:H solar cells, N-I-P and P-I-N, photogenerated carrier collection and loss mechanism anal. 2−23530

semiconductor device testing
see also integrated circuit testing
automatic device for wafer testing of diodes and transistors *(Rumanian)* 2−3046
automatic modular expt. set-up using IEC-bus *(German)* 2−16821
bipolar transistors, forward beta degradation and electromigration as reliability failure mechanisms 2−9632
C-CD, noise spectral intensity meas. in sampled-data systems, correlation method appl. 2−16912
condensation thermography technique for short circuit location and surface temp. determ. in semiconductor die 2−9598
crystal defects and elec. parameters, test of correlation *(Hungarian)* 2−14743
detector circuit for observing semiconductor devices with scanning electron microscope 2−5712
electrical DC parametric testing in semiconductor industry 2−5757
hologram interferometry, lens-assisted, semicond. device behaviour investigation 2−15571
HVDC thyristor development *(German)* 2−25217
large active area thyristors, reverse recovery and holding current test methods 2−9638
LED testing without damaging 2−20764
MOS, new technique for input protection testing against electrostatic damage 2−15033
MOS capacitor, B doped, generation lifetime, C-t characteristics meas. 2−14714
MOST, test conditions effects on radiation-hardness results 2−14861
n-p-n transistors, lower bound prediction on failure power distrib. 2−14843
operational life testing at production stage 2−23985
patterned semiconductor wafers, automatic inspection and computation tool 2−26728
power transistor test set, microprocessor control, hardware/software tradeoffs 2−26713
power transistor time parameters meas., test pulse generators using thyratrons 2−14847
power transistors, HV, using vacuum tubes 2−20237
reliability aspects in laboratory and domestic environments *(Spanish)* 2−20219
reliability testing method, pressure cooker tester using steam pressure 2−1416
shunt diode design for solar cell arrays, planar-diffused struct., life testing 2−20234
solar cell, short interval testing 2−23513
solar cells, balloon calibrated, with narrow band-pass filters, simulator spectral characterisation 2−17526
solar cells for Shuttle Power Extension Package, radiation effects determ. 2−17529
space photovoltaic generator, design and testing, rational approach 2−22696
transistor matched pair selector 2−19812
user design of test systems 2−16787
AlGaAs photodiode structures, computer modelling and radiation testing 2−15404
AlGaAs-GaAs concentrator solar cells, computer-controlled flash testing system 2−16845
Cu_2S-CdS sprayed backwall solar cells for terrestrial appls., reliability 2−23544
GaAlAs-GaAs double heterojunction N-p-N bipolar transistor development and testing 2−20235
$Ga_{1-x}Al_xAs$, DH LEDs, reliability for lightwave communications through accel. ageing studies 2−6121
GaAs FET operating function temp. meas., elec. thermal testing for quality control 2−14875
GaAs, FETs, effect of materials props. on RF performance 2−1390
$In_{1-x}Ga_xAs_{1-y}P_y$ laser and LED reliability for fibre-optic communications 2−2811
$In_{1-x}Ga_xAs_{1-y}P_y$-InP buried-crescent laser diode 1.3 μm fundamental transverse mode and life test 2−1968
Si solar cells, plated metal contacts to wafer, tensile pull-strength rel. to wafer surface roughness 2−23580

semiconductor devices
see also field effect devices; Gunn devices; integrated circuits; semiconductor counters; semiconductor diodes; semiconductor junction lasers; space-charge limited devices; thermistors; thyristors; transistors; transit time devices; varistors
air cooling method based on porous body 2−25167
amorphous and liquid semiconds., conf., Grenoble, France, (July 1981) 2−23865
amorphous semiconductors, book 2−23883
antistatic protection, telecommunications appl. 2−21413
book 2−13197
CECON 80 conference, Cleveland, OH, USA (May 1980) 2−8161
chip resistor design, flat and cylindrical, carbon film resistor replacement 2−5367
collisional broadening effect on Monte Carlo simulation of high-field transport 2−9595
conference, Oxford, England (April 1981) 2−13150
DC nonisothermal characteristics, relationship to thermal stability 2−9593
development and status, possibilities in Slovenia *(Slovenian)* 2−25166
device research conference, Santa Barbara, CA, USA (June 1981) 2−6
dielectric breakdown, statistical analysis 2−15045
electronic components, instruments and troubleshooting, book 2−4572
electrostatic discharge failures, failure models and recommendations 2−14821
EWSD digital telephone switching system, improved electronic components 2−16300
filter, controlled, utilizing recombination waves 2−9609
formed commutation rectifier circuit calculations *(German)* 2−20247
gas sensors for leak detection *(German)* 2−22227
Hall effect devices, as microwave-power detectors 2−22282
hot electron devices for MM and sub-MM appls. 2−24703
how parts fail 2−19044
interface physics, conf., Williamsburg, VA, USA (Jan. 1981) 2−4566
ion implantation in microelectronics, bibliography 2−23878
magnetic sensors, development *(Japanese)* 2−11446
MIL specs for semiconductor devices and ICs 2−14902
modern electricity/electronics, book 2−4573
NDT, review 2−5051

semiconductor devices continued
nuclear and space radiation effect, conf., Seattle, WA, USA (July 1981) 2−18849
ohmic contacts to semiconductor devices, effect of contact size and non-zero metal resist. on specific contact resistance 2−25072
optical sources for fibre communications 2−16479
parameters characterisation using two-wavelength laser scanner 2−10405
photoelectric transducer, temp. effects and their elimination, reflection-photoplethysmography appl. 2−1798
plasmomagnistor, mag. field probe 2−7088
power devices, current status and technology developments, in India 2−14817
power semiconductor devices, temp. rise calc. methods *(Czech)* 2−14814
power semiconductors, cooling, packaging and protection 2−1326
power semiconductors, cooling and assembly in plate cases *(German)* 2−1325
protection against electrostatic discharges 2−14815
reliability aspects of semiconductor devices in laboratory and domestic environments *(Spanish)* 2−20219
reliability of semiconductor devices, encapsulation *(Italian)* 2−20217
sensors, characteristics *(Japanese)* 2−16980
simulation using program system ZANAL *(German)* 2−25168
soft errors due to protons in radiation belt 2−14818
solid state electronic devices, review *(Japanese)* 2−9597
solid-state devices, conf., Toulouse, France (Sept. 1981) 2−23892
surge protective semiconductor devices, charcts. requirements *(Japanese)* 2−14816
technological trends, Indian status 2−14742
thermoanemometer sensor for low flow speed meas., using Si crystal whisker 2−16949
V-I charcts. measurement method *(Russian)* 2−3237
varicap, complex impedance *(Russian)* 2−14891
wideband 140 MHz submarine cable repeaters appl. *(Japanese)* 2−21721
GaAs, collisional broadening effect on Monte Carlo simulations of high-field transport 2−9596
GaAs device structs. at 77K, single-carrier space-charge-controlled conduction vs. ballistic transport 2−14819
p-GaAs, reemission effect on carrier transport 2−5566
Ge oscillator, hysteresis of threshold electric field 2−9675
Ge:Li detector, secular change of background activity *(Japanese)* 2−17260
Si, effect of heavy doping on elastic consts. and device implications 2−24919
Si, impurities and defects, effect on semicond. technology, book 2−12
a-Si, new photovoltaic devices, review 2−25628
p-Si p^+-π-p^+ planar devices, hot carrier transport noise, meas., generation-recomb. noise rel. to deep levels 2−25172

semiconductor diode light emitters *see light emitting diodes*

semiconductor diodes
see also avalanche diodes; BARITT diodes; charge storage diodes; light emitting diodes; photodiodes; Schottky-barrier diodes; solid-state rectifiers; tunnel diodes; varactors; Zener diodes
automatic device for wafer testing of diodes and transistors *(Rumanian)* 2−3046
bulk-barrier diodes, self consistent numerical anal. *(German)* 2−25182
deep impurity based double-injection diodes, new family of semicond. devices 2−9599
discrete bipolar semicond. devices, EM pulse failure models evaluation 2−14828
double base diode, current fluctuation near critical point, expt. study *(French)* 2−5736
double epitaxial diffused diodes for power invertor ccts. 2−14839
double-injection diodes, thermal noise in semiconductor regime 2−25202
energy loss during forward/reverse transitions, calc. method *(Czech)* 2−14826
fast response diodes and their appls. *(Czech)* 2−14825
force semiconductor structures simulation *(Russian)* 2−1333
forward recovery charcts., computer modelling 2−25186
gate controlled diode used for elec. characterisation of defects and O_2 in Czochralski Si 2−14626
gate-controlled diodes, avalanche breakdown charcts. study 2−9621
HV large area planar devices 2−1334
layer structures, high-freq. charcts. 2−9488
low-temperature characteristics and appls. *(Chinese)* 2−9594
minority carrier lifetime meas. using open-circuit voltage decay technique, depletion layer effects 2−5728
MIS diode, pinhole model 2−14880
MOM, IR detector-mixer appl. 2−16984
n^+-p^--p^+ lateral diodes made from low press. CVD polycryst. Si films, energy distrib. of traps at grain boundaries 2−25196
one-dimensional symmetric model, numerical soln. 2−9603
p^+-i-n^+ negative resist. diode with control MOS gates, model 2−1336
p^+-s-n^+ epitaxial diode, double reflection effect on forward I-V charcts. 2−25199
p-i-n, forward-biased, Volterra series representation 2−20225
p-i-n diode, type 2A 518A, for microwave switch *(Russian)* 2−24705
p-i-n diodes, appl. in RF telecommunication and radar systems *(Italian)* 2−19813
p-i-n structures, photocond. in presence of light absorpt. by injected carriers 2−6089
p-i-n-p-i-n structs., group selection technique of preparation *(Russian)* 2−1343
p-n diodes, deep centres, local distrib., photocapacitance study 2−14838
p-n junction diode, effect of emitter recombinations on open circuit voltage decay 2−14836
p-n junction diode, normal modes for materials parameter determ., open-circuit voltage decay 2−9619
p-n junction diodes, burst noise, expt. studies 2−25203
p-n mesa diodes, ion implanted, furnace and laser annealed, carrier effective lifetime 2−14831
permittivity temp. depend. influence on current-voltage charcts. 2−20220
PIN diodes in meander-line filters for multiplexing applications 2−917
power diode and thyristor models *(German)* 2−20248
power diodes, comparison of perform. of Au and Pt killed devices, leakage current and switching time meas. 2−25198
power semiconductor devices, CKD Semiconductor products *(Czech)* 2−14824
self-heating, DC equivalent circuit *(Croatian)* 2−14820
semiconductor power modules, CKD Semiconductors product *(Czech)* 2−18323

semiconductor diodes continued
SHF-attenuator constructed from two longitudinally distributed p-i-n structures 2−932
short p-n junction diodes, response with low injection levels *(Spanish)* 2−14823
shunt diode design for solar cell arrays, planar-diffused struct., life testing 2−20234
solar arrays, shunt and blocking diode for protection 2−22697
step-recovery-diode with n^+pp^+-structure ultra-high-speed snap-off time *(German)* 2−25181
stored charge diodes in freq. multipliers, phase fluctuations resulting from inherent parametric noise *(Russian)* 2−24639
thermal resistance measurement *(Bulgarian)* 2−5730
two-device bistable memory circuit without feedback loop 2−19680
$Al_{0.48}In_{0.52}As$:Sn, MBE grown, p-n diode 2−567
CdTe surface barrier diodes as detectors for energetic charged particles, evaluation 2−3387
GaAs diode structures based on direct-gap semiconductors, numerical anal. 2−1339
GaAs hyperabrupt junctions, avalanche breakdown voltage calc. 2−14683
GaAs, rectifying variable planar-doped-barrier structures, MBE fabrication and charcts. 2−1346
GaAs submicron n^+-i-n^+ diode, Monte Carlo particle simulation 2−25184
GaAs:Cr diodes, current-voltage charcts., mag. field influence 2−5718
GaAs:Cr n^+-n-n^+ diode struct., magnetosensitivity, effect of strong carrier accumulation 2−25193
GaAs:Cr S-type diodes, impedance under double injection conditions, switching mechanism 2−20127
$Ga_{0.47}In_{0.53}As$:Sn, MBE grown, p-n diode 2−567
GaP diodes, deep recombination centre parameters, TSC study 2−20231
Ge, low temp. thermometric characteristics, 20 to 300K 2−5722
Si, DC voltage reference standard appl. 2−11327
Si diode matrix array for α-particle autoradiography 2−3402
Si, low temp. thermometric characteristics, 20 to 300K 2−5722
Si:As emitters of transistors and diodes, energy gap narrowing in heavily-doped regions of devices 2−20241
Si:Au n-n^+ diode struct., magnetosensitivity, effect of strong carrier accumulation 2−25193
n-Si:Au planar magnetodiodes with negative resist. 2−20230
Si-chalcogenide glass film magnetodiode, magnetosensitive memory effect 2−14837
SiO_2-GaAs MIS diode, props. of spin-on interfaces 2−1389
Te-amorphous Se:Te-amorphous Se-Al, p-i-n semicond. diodes, negative resist. charcts. and hysteresis effect 2−14662

semiconductor doping
see also doping profiles; ion implantation
bipolar transistor circuits, effective base doping of active device 2−1354
diffusion processing of semiconductor wafers, self-gettering diffusion furnace 2−1290
EM scanning system for ion implantation 2−5671
III-V semiconductors, epitaxial multilayers, vacuum metalorganic CVD growth 2−13816
III-V semiconductors, recent advances in ion implantation 2−25152
ion implantation, dose control technique 2−5678
ion implantation, fast target heating system 2−1285
ion implantation control, pulsed CV system 2−5670
ion implantation dose uniformity improvement by compensated scan pattern generator 2−5680
ion implantation equipment, post-implant methods for characterising doping uniformity and dose accuracy 2−5674
ion implantation equipment and techniques, conf., Kingston, Ont., Canada (July 1980) 2−4564
ion implantation in semiconductor processing 2−1286
ion implantation radiation damage annealing by light and electron beam irrad. *(German)* 2−14790
ion implantation systems, historical perspective and future trends 2−1282
ion implantation techniques 2−1284
laser processing research at Texas A&M University 2−9543
low energy implant simulation using target tilt 2−5665
MBE film growth, surface and kinetic effects, review 2−4985
MIS capacitor, graphic method of substrate doping determ. from C-V charcts. 2−1252
monolithic ICs, insufficient diffusion, SEM meas. *(German)* 2−14766
MOS and bipolar device diffusion source, appl. of ion implanted layer 2−5801
MOSFET, ultrasmall, technology challenges, VLSI appls. 2−15013
MOSFETs, field effect mobility, bulk doping depend. 2−9661
neutron transmutation doping 2−1292
photoluminescence and photolum. excitation spectroscopy characteris., review 2−9394
polyacetylene, diffusion of SbF_5 and I_2 2−25146
polyacetylene, p-type, dopant profiles and optical and electrical props. 2−20119
simultaneous deposition and ion implantation technique 2−5682
surface, potential, elec. field, charge density, mobile carrier conc., equilib. soln. 2−20055
target chambers for ion implantation using mechanical scanning 2−5672
three-dimensional microelectronic structures fabrication by MBE 2−9548
wafers, doping distribution variation reduction method 2−1289
(Al,Ga)As-GaAs heterostruct., electron mobility, background doping effect 2−14676
AlGaAs, organometallic VPE grown, characterisation for solar cell appls. 2−13820
$Al_{0.48}In_{0.52}As$, MBE layers, elec. props. 2−14639
$Al_{0.48}In_{0.52}As$:Be, MBE grown, Be doping 2−567
As autodoping elimination through reduced pressure 2−20183
Au-doped MOS capacitor, truncated load method for modelling *(Rumanian)* 2−1239
B autodoping elimination through reduced pressure 2−20183
B, controlled two-stage diffusion model *(Russian)* 2−1299
$Cd_xHg_{1-x}Te$ photodiodes, 8-14 μm range, doping influence 2−10142
CdS:Cu, Cl, sintered layer photoresistor, photosensitivity deterioration *(Russian)* 2−964
CdS(Se) doped piezosemicond., sound absorpt. *(Russian)* 2−1191
n-CdTe:Pb films, vapour deposited, elec. anal. optical props. 2−14655
α-Fe_2O_3:Ge^{4+}(Pb^{4+})(Sn^{4+}) electrodes, photoactivity, doping effect 2−15377
$Ga_{0.68}Al_{0.32}As$:Te(Zn) laser pumped by electron beam, cathodolum. and threshold current density, doping influence 2−6229

semiconductor doping continued
$Ga_xAl_{1-x}As$ MBE growth, volatile metal oxide incorporation 2−5002
GaAs,ion implanted, capless annealing, for microwave devices 2−1319
GaAs epitaxial layers doping with O and Si 2−5685
GaAs, FETs, effect of materials props. on RF performance 2−1390
GaAs large diameter bulk crystals for microwave device technology 2−9444
GaAs, low-dose Si ion implantation into semi-insulating LEC grown wafers, elec. props. obs. 2−5683
GaAs MBE growth, volatile metal oxide incorporation 2−5002
GaAs, open tube diffusion of Sn, improved process for microwave devices 2−24720
GaAs, organometallic VPE grown, characterisation for solar cell appls. 2−13820
GaAs periodic doping structures grown by MBE, space charge field of impurities, cond. modulation 2−5621
GaAs, pulsed UV laser photochemical doping, solar cell prod. 2−9563
GaAs, selective carrier removal using O implantation 2−14760
GaAs, single step selective implantation technology using proximity annealing, 10 GHz FET fabrication 2−9550
GaAs substrate, semi-insulating, effect of Cr-doping on device quality 2−24295
GaAs:B(Si)(Se), ion implanted, stoichiometric disturbances 2−1294
GaAs:Cd^+, ion-doped films, elec. props. 2−14770
GaAs:Cr(Cr,O)(Cr,Si), Bridgman and LEC pulling growth methods, ion implantation, for FETs 2−1393
GaAs:Ge(Se), neutron transmutation doping, elec. and physical props. 2−9562
n-GaAs:S, MBE layers, electrochem. S doping 2−25143
GaAs:Se, ion implantation, substrate orientation effects 2−14762
GaAs:Se(S), impurity profile, implantation temp. and crystallinity depend. 2−20182
GaAs:Si, MBE growth, effect of growth conditions on Si doping 2−8803
GaAs:Si MBE layer, doping 2−9559
n-GaAs:Sn, laser-assisted doping from Sn evaporated films, ohmic contact form. 2−20194
GaAs:Zn(Se), ion implanted, annealed, TEM study 2−14772
GaAs/n-AlGaAs heterostructures, selectivity doped, high mobility electrons, high-speed devices appl. 2−19416
GaAs-GaAlAs modulation doped multilayer struct., optimum cond. and effective mobility conditions, LPE gr- own struct. 2−5622
$Ga_{0.47}In_{0.53}As$:Be, MBE grown, Be doping 2−567
$Ga_{0.47}In_{0.53}As$:Sn, MBE layers, elec. props. 2−14639
$Ga_{0.47}In_{0.53}As$-$Al_{0.48}In_{0.52}As$ heterojunction, MBE, modulation doped, electron mobility 2−25046
GaP, lanthanide doping influence on elec. and photolum. props., LED material 2−24965
GaP:N, Al^{2+} postimplantation gettering effects in p-n junctions 2−9485
GaP:Te, kinetic model for dopant incorporation during VPE 2−24294
GaSb:S MBE film, S doping with H_2S gas 2−20187
Ge single crysts., grown in different directions, radial distrib. of dopant 2−554
Ge:Li, γ-irrad., radiation defect interaction with impurity atoms 2−14768
Ge:P epitaxial films, P doping during gas phase chem. precip. 2−5686
Ge-Se:Ag films, photo and electrochem. doping, AES and XPS study 2−25145
Ge-Te, glass, doped, elec. transport props. 2−25005
InGaAs-InP heterojunction LEDs, influence of Mg doping on cutoff freq. and light output 2−20758
$In_{0.53}Ga_{0.47}As$ on InP substrate, Mn as p-type dopant, distrib. coeff., room temp. mobility and diffusion coeff. 2−14759
InGaAsP/InP:Cd DH lasers, LPE growth 2−8802
InGaAsP-InP laser, Sn doping of active region 2−25140
p-$In_{0.75}Ga_{0.25}As_{0.55}P_{0.45}$:Cd LPE layer, doping characts. and elec. props. 2−20186
InP, diffusion of Cd at 680°C, p-n function formation 2−9554
InP, MM-wave transferred electron oscillators 2−953
InP, semi-insulating, Fe and Cr redistrib. 2−5689
InP:B(Si)(Se), ion implanted, stoichiometric disturbances 2−1294
InP:Co, single cryst. growth and elec. props. 2−4980
InP:O, horizontal Bridgman growth, O doping effect, Hall effect meas. 2−9558
InP:S VPE layers, effect of doping on mobility, Hall effect and magnetoresistance meas. 2−24991
InP:Se^+, ion implanted, Rutherford backscatt. and ellipsometry 2−9560
InP:Si, capless annealing, for microwave devices 2−1319
Mo-Si contacts, P ion implantation effects 2−5628
$Pb_{1-x}Sn_xTe$:Cd crystals and LPE layers, doping and elec. props. 2−25144
S:As, through oxide As implanted, recoil O implants and O thermal redistrib. 2−1280
Si, amorphous, photolum., influence of excitation density and n-type doping 2−25603
Si, amorphous, plasma deposited and CVD coatings, ion implantation, elec. cond. and photoluminesc. 2−20095
Si, amorphous, solar cells, materials, assessment, internal field, hole transport and lifetime 2−23429
Si CVD films, polycryst., elec. props., depend. on grain size and impurity doping conc. 2−14616
n-Si, conventional and neutron doped, piezoresist. and Hall coeff. meas. 2−20065
Si, effect of heavy doping on elastic consts. and device implications 2−24919
a-Si, field effect and substitutional doping 2−25016
Si film, amorphous doped, deposition mechanism in SiH_4 plasma 2−13844
Si, inhomogeneously doped, anodisation hydrofluoric acid soln. 2−20068
Si, ion implantation damage, isothermal annealing using thermal radiation source 2−9547
Si layer large area uniform growth by solid phase epitaxy 2−8013
Si, masking oxide effect on diffusion 2−1291
Si, meno- and polycrystalline, As doping using laser-induced diffusion 2−9564
Si, model of impurity diffusion from oxide source 2−5684
Si, neutron irrad. dislocation-free crysts., annealing influence on elec. and struct. props. 2−24920
Si, neutron transmutation doping 2−1292
Si, neutron transmutation doping, semi-insulating substrate for MOS IC technology 2−20424
Si, open-tube diffusion of Al 2−9553
Si, P doping using P_2O_5-SiO_2 glass as dopant source, validity of etch rate determ. 2−9556

semiconductor doping continued
Si, pulsed UV laser photochemical doping, solar cell prod. 2−9563
Si rheotaxial film development by CVD on low cost substrate, solar cell appl. 2−609
Si shallow junction solar cells, dependence of efficiency on substrate doping 2−12870
Si, single step doping technique, pulsed ion implantation 2−20193
Si solar cell, ion implanted; laser annealed, substrate heating and emitter dopant effects 2−4335
Si solar cell, junction formation by ion implantation using high-current ion beam 2−23577
Si solar cell, low temp. solid-phase epitaxy 2−12848
Si solar cell, metal-insulator-semiconductor p-n, ion implantation doping 2−28104
Si solar cell fabrication, carrier lifetime rel. to doping density, importance of low-temp. processing 2−18566
Si solar cell fabrication, p-n junction prep., one-step photochem. doping process using ArF excimer laser 2−23494
Si solar cells, ion-implanted, effects of laser and electron beam annealing 2−18502
Si solar cells, laser-annealed, comparison between ion-beam and glow discharge implantation 2−18501
Si solar cells, p-n junction, B implantation from BF_3 gas discharge source 2−12912
Si solar cells 2−12902
Si solar cells polycrystalline effects of special processing on diffusion lengths 2−12903
Si solid-phase epitaxy p-n junction formation, low-temp. technique for efficient solar cells 2−18593
Si:As(P), polycryst. film, CW laser annealing, SiO_2, Si_3N_4 substrate material effect 2−5690
Si:As(P), polycryst. film, pulsed and CW laser annealing 2−14771
Si:As(P), polycrystalline, effect on electrical conduction, model, experimental 2−1152
Si:Au, implantation gettering of Au, neutron activation study 2−20185
Si:B, impurity diffusion and distrib. in surface layer during sublimation 2−14769
Si:B^+, single crystal, TEM and AES study of ion bombardment 2−14635
Si:B(P), laser chemically doped, elec. props. 2−9403
a-Si:F:H, electrical, spectral and doping properties 2−25023
Si:Ga, float zone growth, improved uniformity 2−8796
Si:Ga(Sb), MBE grown, sharp profiles with high and low doping levels 2−9551
Si:H, amorphous, plasma deposition, impurity doping, substrate pot. effect 2−20189
Si:H, amorphous, prep. from higher silanes with high growth rate 2−606
Si:H, amorphous vacuum deposited films, theta pinch hydrogenation 2−20190
Si:H, Li amorphous film, DC glow discharge deposited, photovoltaic effect 2−25571
Si:H, microcryst. plasma deposited coating, elec. cond. and optical absorpt. 2−24922
Si:H,B amorphous film, elec. props., optical props. 2−25015
Si:H,N(O), amorphous glow discharge film, elec. cond. and photocond., $N_2(O_2)$ doping effect 2−20098
Si:H amorphous films, gas phase doped, H conc. and spatial distrib. 2−20191
Si:H amorphous p-n junctions, elec. transport, doping effects 2−25054
a-Si:H and a-Si:F:H P-I-N solar cells, photovoltaic behaviour 2−23533
a-Si:H films, impurity doping, morphological study, electrical and optical properties 2−25022
Si:H(B)(P), amorphous DC sputtered coating, doping and elec. props. 2−19424
p-Si:P, ion bombarded, doping by radiation accelerated diffusion 2−14767
Si:P, polycrystalline, plasma etching, P doping effect, electron microscopy study 2−5698
Si:P film, LPCVD, polycryst., grain size and resist. 2−9407
Si:Tl, solution growth for 3 to 5 μm photocond. detectors 2−8798
SiC:B(Si)(Se), ion implanted, stoichiometric disturbances 2−1294
SiO_2 and photoresists with B ion implantation, masking props. 2−25150
SiO_2-GaAs interface, props. of spin-on interfaces 2−1389
SiO_2-Si:B, ion implanted layers, equivalent circuit 2−25087
ZnS, pure and doped crysts., surface microstruct., impurities effects 2−13805
ZnSe LEDs, fabrication by Te or S implantation 2−25643
ZnTe, laser induced O diffusion, photoluminesc. study 2−25141

semiconductor-electrolyte boundaries
CdS/NaI.3.3NH_3 junction, photoelectrochem. behaviour, solar energy conversion utilisation 2−7964
depletion layer of semicond. electrode, charge transport, elec. field depend. 2−25105
electrolyte bathed chemically sensitive semicond. devices, kinetics of drift of gate voltages 2−20158
p-GaAs, semiconductor electrodes, laser induced photoelectrochemistry 2−12762
modulation spectroscopy uses in characteris., review 2−9397
n-type semiconductors, flatband pot. meas. by rectified alternating photocurrent voltammetr-y 2−5647
p-type semiconductors, flatband pot. meas. by rectified alternating photocurrent voltammetr-y 2−5647
photoanodes, protection with photoelectrochemically generated polypyrrole films 2−25156
photodecomposition of semiconductors thermodynamics, kinetics and application to solar cells 2−9522
photoelectrochemical devices, steady-state elec. admittance spectroscopy, electrolyte-semiconductor interface, critical props. 2−23402
photoelectrochemical solar cells, open circuit pot. 2−28111
semiconducting electrodes, stabilising by means of redox systems 2−9526
solar cell, semiconductor-electrolyte junction, superposition principle 2−4343
n-CdS:Te, semiconductor photoelectrodes, luminescence, photocurrent 2−12763
CdS-electrolyte junction, flat band pot., electroreflectance study 2−9524
CdSe, photoanodes, photoelectrochemical cells, energy storage 2−12764
CdSe photoelectrochemical solar cells with polycrystalline photoanodes, role of disorder 2−4362
CdSe thin film anodes, photoelectrochem. characts. 2−5648
CdSe thin film electrodes for photoelectrochemical cells, props. 2−12768
CdSe thin film electrodes for backwall photoelectrochemical cells 2−12769

semiconductor-electrolyte boundaries continued
n-CdSe/electrolyte interface, electrorefl. spectra, photoelectrochem. solar cell appl. 2−5650
GaAs, photoanodes, photoelectrochemical cells, energy storage 2−12764
n-GaAs, photoelectrochemical corrosion, effect of Au monolayer 2−5649
GaAs, semiconductor electrodes in photoelectrochemical cells, surface state role 2−12761
n-GaAs, semiconductor-electrolyte interface, surface modification, photoelectrochemical cells 2−9523
GaAs-electrolyte junction, flat band pot., electroreflectance study 2−9524
n-GaAs-molten salt electrolyte interface, mech. of charge transfer 2−5646
n-GaAs-room temperature molten salt electrolyte interface, photoelectrochemical device operation 2−7995
p-GaP, semiconductor electrodes, laser induced photoelectrochemistry 2−12762
Ge-Se:Ag films, photo and electrochem. doping, AES and XPS study 2−25145
n-In_2O_3-electrolyte system, photoelectrochemical props. 2−5645
p-InP-liq. electrolyte interface, Fermi level pinning rel. to photoelectrochem. energy conversion 2−5644
MoS_2/I^--I_2/C electrochemical solar cell, performance 2−18473
$MoSe_2$, photoanodes, photoelectrochemical cells, energy storage 2−12764
n-Si electrodes in aqueous soln. photoelectrochemical cells, techniques for stabilisation 2−12770
Si, minority carrier lifetime inhomogeneities, liq. rectifying contacts, laser scanning tech. 2−1158
Si, semiconductor electrodes in photoelectrochemical cells, surface state role 2−12761
p-Si/aqueous electrolyte interface in solar cells, oxide optimisation 2−12849
n-Si/metal or metal-free phthalocyanine film/electrolyte, photovoltaic cell 2−9525
n-SnO_2, semiconducting electrodes, sensitisation by Ru-based dyes 2−12766
n-$SrTiO_3$, semiconducting electrodes, anodic/cathodic photocurrent transition meas. 2−10110
n-$SrTiO_3$, semiconducting electrodes, sensitisation by Ru-based dyes 2−12766
TiO_2 anodes, photocurrent spectroscopy 2−10111
n-TiO_2 electrodes, flatband pot. depend. on electrolytes and electrolyte conc. 2−14738
n-TiO_2, semiconducting electrodes, anodic/cathodic photocurrent transition meas. 2−10110
n-TiO_2, semiconducting electrodes, sensitisation by Ru-based dyes 2−12766
n-TiO_2, semiconductor electrodes, laser induced photoelectrochemistry 2−12762
TiO_2-electrolyte interface, surface states obs. 2−20159
n-WSe_2, semiconductor electrodes in photoelectrochemical cells, surface state role 2−12761
n-WSe_2, semiconductor photoanode, photoelectrochemical cell efficiency 2−12765
ZnO, high degeneracy acceptor levels, space charge capacitance and Hall effect data 2−1180
ZnSe-electrolyte junction, flat band pot., electroreflectance study 2−9524

semiconductor electron states *see band structure of crystalline semiconductors and insulators; electron energy states of amorphous solids*

semiconductor epitaxial layers
compound semiconductors, molecular beam epitaxial growth 2−13814
$Ga_xIn_{1-x}P$-GaAs heterostructures, luminesc., effect of mismatch between lattice consts. and thermal expansion coeffs. 2−6100
p-GaAlAs, non-alloyed ohmic contacts, using MO-CVD contact layers 2−24296
ICs, defect detect. of epitaxial structures due to buried layer, laser scan method 2−9707
III-III-V-V quaternary layers grown by LPE, thickness calc., appl. to InGaAsP 2−24300
III-V compounds, liquid phase electroepitaxial growth, new approach 2−8811
III-V semiconductors, epitaxial multilayers, vacuum metalorganic CVD growth 2−13816
IV-VI epitaxial thin film IR detectors, device performance and basic material props. 2−10154
laser annealing, liq. phase and solid-state epitaxial recrystallisation 2−10403
laser-induced solid phase epitaxial growth, monitoring using time-resolved opt. reflectivity 2−8816
MBE, review of European developments, 1979-80 2−8814
MO-CVD, recollections and reflections 2−5014
$pb_{1-x}Sn_xSe$ heterostructure for injection lasers 2−25799
production process for semiconductor components, epitaxial layer growth techniques *(German)* 2−19410
SOS films with negative and positive interfacial charges 2−5639
VPE long-wavelength optoelectronic device fabrication and reliability for optical communication 2−2810
Zener diodes, epitaxial low-voltage preparation and elec. props. 2−9615
(Al,Ga)As epilayers, and DH lasers, minority carrier lifetime and luminescence 2−5555
(Al,Ga)As, use of sapphire liners to eliminate edge growth in LPE 2−4996
(Al,Ga)As/GaAs heterostructures, molecular beam epitaxy growth 2−19415
(Al,Ga)As-GaAs heterostruct., electron mobility, background doping effect 2−14676
Al-SiO_2-GaAs-n^+-GaP, MIS light modulators using Franz-Keldysh effect 2−6057
(AlGa)As DH lasers, molecular beam epitaxy for optical communication systems 2−20896
AlGaAs, layers growth by OM-VPE 2−4992
AlGaAs, organometallic VPE grown, characterisation for solar cell appls. 2−13820
AlGaAs-GaAs heterostructures, LPE growth for solar energy conversion 2−24281
$Al_xGa_{1-x}As$, comp. change w.r.t. LPE temp. *(Russian)* 2−8815
$Al_xGa_{1-x}As$ epilayers, mm thick, Peltier-induced LPE and compositional control 2−4986
$Al_xGa_{1-x}As$ epilayers, MBE, protection during ambient transfer 2−4999
$Al_xGa_{1-x}As$, epitaxial layer, MBE growth 2−8822
$Al_xGa_{1-x}As$ films, VPE growth in inorganic transport systems 2−4997
$Al_xGa_{1-x}As$ grown by MBE, photoluminescence studies 2−10125

semiconductor epitaxial layers continued
$Al_xGa_{1-x}As$ LED fabrication, epitaxial p-n structures quality estimate 2−25119
$Al_xGa_{1-x}As$ MBE layer, Al-Ga disorder 2−1171
$Al_xGa_{1-x}As$ p-n junction solar cells, grown-in deep-level defects 2−23616
$Al_xGa_{1-x}As$ solid solns., epitaxial, variable composition, surface recombination *(Russian)* 2−1184
$Al_xGa_{1-x}As$:Si graded-band-gap p-n structs., photoluminescence spectra 2−10124
$Al_xGa_{1-x}As$:Sn, MBE grown, photolum. spectrum, As/Ga flux ratio effect 2−1793
$Al_xGa_{1-x}As$-GaAs heterostructure, modulation doped, MBE grown, electron mobility study 2−5604
$Al_xGa_{1-x}As$-GaAs quantum-well heterostruct. lasers, MBE grown, alloy clustering, photoluminesc. study 2−25792
$Al_xGa_{1-x}Sb$ heterostructure, reproducible epitaxial layer growth from saturated Ga soln. 2−8806
$Al_xGa_{1-x}Sb$, LPE *(Japanese)* 2−586
$Al_{0.48}In_{0.52}As$, MBE layers, elec. props. 2−14639
$Al_{0.48}In_{0.52}As$:Be, MBE grown, Be doping 2−567
AlSb, epitaxial growth, eval. of triisobutylaluminium rel. to trimethylaluminium 2−4995
AlSb, LPE from Sb solns. 2−13821
As autodoping elimination through reduced pressure 2−20183
Au/ZnSe:Mn/n-GaAs, MBE DC electroluminescent cell with very low threshold voltage 2−10163
Au-n-$Ga_{1-x}Al_xP$ surface barrier struct., photoelectric effect 2−15412
B autodoping elimination through reduced pressure 2−20183
$Cd_xHg_{1-x}Te$, growth by MOVPE and characterisation 2−4994
$Cd_xHg_{1-x}Te$, VPE using organometallics elec. props. and charact. 2−584
CdSe, epitaxial film, surface state charging during NO_2 adsorption 2−20083
CdTe, molecular beam epitaxy on CdTe (100) and (100) 2−579
CdTe, p-n junctions, LPE grown, injection electroluminescence 2−10123
p-$CuGa_{1-x}In_xS_2$/n-ZnSe heterojunction LPE growth from In soln. 2−8813
$CuInSe_2$ epitaxial layers, on {110} and {100}-oriented GaAs substrates, struct. using RHEED 2−1208
$CuInSe_2$ epitaxial layer growth on GaAs, struct. and elec. props., substrate surface polarity influence 2−19404
(Ga,In)As alloys, on InAs substrates, substrate instability during LPE growth 2−577
GaAlAs system, cooled with volatile component evaporation, liq. and solid phase comp. calc. 2−588
GaAlAs:Sn, thin layer emitters, luminescence and Sn-X centres 2−25192
$Ga_{1-x}Al_xAs$, conduction band structure from Hall mobility measurements at high pressures 2−24964
n-$Ga_{1-x}Al_xAs$ epitaxial layers, Hall to drift mobility ratio 2−5559
n-$Ga_{1-x}Al_xAs$ epitaxial layer, intervalley scatt., Hall mobility study 2−9424
n-$Ga_{1-x}Al_xAs$ epitaxial layers, electron mobility 2−9431
$Ga_{1-x}Al_xAs$ heteroepitaxial layers, coherent, on-axis layers, characterisation by X-ray multiple diffr. technique 2−576
$Ga_{1-x}Al_xAs$, IR emitting diode, bandwidth and optical output power determined by photoluminescence measurement 2−1818
$Ga_{1-x}Al_xAs$ solid solns., epitaxial film prep. from gas phase, deposition thermodynamics 2−8807
$Ga_xAl_{1-x}As$ epitaxial layers on GaAs, morphology and misfit dislocations 2−4987
$Ga_xAl_{1-x}As$, heterostructure MESFET devices, LPE 2−1395
$Ga_xAl_{1-x}As$ LPE growth, GaAs substrate dislocation behaviour 2−565
GaAlP, MO-CVD growth 2−5018
GaAs, electrophysical parameters rel. to layer thickness *(Russian)* 2−5552
GaAs epilayers, growth by MOCVD, appl. to microwave MESFETs 2−573
GaAs, epitaxial growth by MO-VPE, growth mechanism 2−571
GaAs, epitaxial layer, MBE growth 2−8822
GaAs epitaxial layer photoelastic electro-optical directional couplers, 1.15 μm, strain-induced waveguides 2−6050
GaAs epitaxial layers, by low pressure MOVPE, using triethylgallium as Ga source 2−4990
GaAs epitaxial layers, screw and circular structures 2−4998
GaAs epitaxial layers, CVD on Ge heteroepitaxial films 2−8809
GaAs epitaxial layers, breakdown characts. 2−9423
GaAs epitaxial layers doping with O and Si 2−5685
GaAs epitaxial thin film, persistent photocond. 2−15376
GaAs epitaxial thin film solar cell fabrication using organometallic CVD, single-crystal Si substrates 2−23588
n-GaAs, epitaxially grown, p-type buffer layer, evaluation using Hall meas. 2−9429
GaAs, FET performance, rel. to material growth techniques 2−1380
GaAs, film growth, CLEFT process 2−591
GaAs films, epitaxial growth simulation 2−5005
GaAs heteroepitaxial layer deposited by laser pulse, condensation mechanism 2−19407
GaAs, high purity, LPE growth conditions and elec. props. 2−24299
GaAs, high-purity, VPE in $AsCl_3$-Ga-N_2 system 2−24292
GaAs, ion implantation and low temp. epitaxial regrowth 2−5687
GaAs LED, struct. defects, TEM studies 2−1822
GaAs, LPE, mass transfer processes influence 2−564
GaAs layers, vapour phase growth rate and morphology, elec. field effect 2−19408
GaAs, layers growth by OM-VPE 2−4992
GaAs multilayer films, defect and conc. nonuniform effects on IMPATT diode avalanche breakdown *(Russian)* 2−1341
p-GaAs, non-alloyed ohmic contacts, using MO-CVD contact layers 2−24296
GaAs, organometallic VPE grown, characterisation for solar cell appls. 2−13820
GaAs periodic doping structures grown by MBE, space charge field of impurities, cond. modulation 2−5621
GaAs, photoluminescence spectra, obs. of emission band at ~1.40 eV 2−20727
GaAs, rectifying variable planar-doped-barrier structures, MBE fabrication and characts. 2−1346
GaAs shallow-homojunction solar cells on epitaxial Ge grown on Si substrates, CVD technique 2−23589
GaAs single cryst. film growth, by sputter deposition, ion-surface interaction effects 2−24328
GaAs sub-micron epilayers, near-MM-wave optical props. 5-100 cm^{-1} region 2−20085

semiconductor epitaxial layers continued
GaAs substrate, semi-insulating, effect of Cr-doping on device quality 2−24295
GaAs substrates, monolayer-Sn technique for solving substrate film interface high resist. problem in MBE 2−13815
GaAs, VPE growth in low press. halogen transport system 2−8810
GaAs, VPE in China, review 2−24293
GaAs, VPE in Cl system 2−24291
GaAs, VPE layers, implanted and annealed, elec. and optical props. 2−24969
GaAs, vapour phase epitaxy, flow channel reactor 2−24290
GaAs:As^+, ion implanted layers, solid phase epitaxial regrowth 2−8800
GaAs:Be(Zn) MBE and LPE layer photocathode struct., photoelectron spin polarisation 2−24857
GaAs:Fe, heat treated substrate, photoluminescence props. studies 2−9425
n-GaAs:S, MBE layers, electrochem. S doping 2−25143
GaAs:Si epitaxial p-n junctions, injection luminesc. 2−25642
GaAs:Si MBE layer, doping 2−9559
GaAs/(Ga,Al)As, transmission photocathode, growth by MO-VPE 2−1812
GaAs/n-AlGaAs heterostructures, selectivity doped, high mobility electrons, high-speed devices appl. 2−19416
p-GaAs/P-$Ga_{1-x}Al_xAs$ isotype heterojunction in DH laser materials 2−25049
GaAs-$Al_{0.25}Ga_{0.75}As$ multiquantum well struct., resonant degenerate four-wave mixing 2−25828
GaAs-$Ga_{0.7}Al_{0.3}As$ epitaxial structure, helicoidal twisting of dislocations, projection etching, SEM and TEM obs. 2−24958
GaAs-$Ga_{1-x}Al_xAs$ multilayer epitaxial heterocomps., elec. active defects, combined SEM and TEM obs. 2−24959
GaAs-$Ga_xAl_{1-x}As$ DH and multiple quantum well superlattices, luminesc. props. and struct. 2−25589
GaAs-GaAlAs modulation doped multilayer struct., optimum cond. and effective mobility conditio-ns, LPE grown struct. 2−5622
GaAs-GaAlAsP heterojunctions, lattice strain and misfit dislocations 2−14646
GaAs-ZnSe heterojunction interface, LPE conditions effect 2−25066
$GaAs_{1-x}P_x$ layers, mixed cryst. comp. rel. to vapour phase comp. in Ga-HCl-PH_3-AsH_3-(NH_3)-H_2 system 2−19405
GaInAs layer growth by vapour phase heteroepitaxy, thermodynamic delineation 2−24302
GaInAs photodetector, 0.9 to 2.1 μm waveband 2−3168
GaInAs-AlInAs structures grown by molecular beam epitaxy 2−8808
$Ga_{0.47}In_{0.53}As$ LPE, CVD and VPE layers, electron and hole mobilities of n- and p-type films 2−1196
$Ga_{0.47}In_{0.53}As$, LPE growth, baking temp. effect on purity, photoluminesc. and elec. props. 2−13823
$Ga_{0.47}In_{0.53}As$, low temp. LPE growth 2−8817
$Ga_{0.47}In_{0.53}As$, MESFETs, double heterostructure, molecular beam epitaxy 2−1394
$Ga_{0.47}In_{0.53}As$ uniform, MBE growth with rotating sample holder 2−8801
$Ga_{0.47}In_{0.53}As$:Be, MBE grown, Be doping 2−567
$Ga_{0.47}In_{0.53}As$:Sn, MBE layers, elec. props. 2−14639
$Ga_{0.47}In_{0.53}As$-$Al_{0.48}In_{0.52}As$ heterojunction, MBE, modulation doped, electron mobility 2−25046
$Ga_{1-x}In_xAs$ uniform epitaxial layers, organometallic VPE growth, elec. characts. 2−13828
GaInAsP-InP DH laser material, nonradiative regions correlation with dislocation clusters 2−20887
$Ga_xIn_{1-x}As_yP_{1-y}$-InP laser, 1.3 μm, index-guiding struct. grown on terraced substrate 2−1964
$Ga_xIn_{1-x}P$-GaAs MBE DH, interface recombination vel. and misfit strain, photoluminescence study 2−9480
GaN, high pressure vapour growth 2−13822
GaP LED, struct. defects, TEM studies 2−1822
GaP LPE based Schottky barrier diodes, gamma-ray effect on V-I characts. *(Russian)* 2−14834
GaP layers, deposited on GaAs substrate, initial growth and defect struct. 2−24283
GaP, MO-CVD growth 2−5018
GaP, prep. by MO-CVD 2−24297
GaP:Bi p-n struct., electrolum. and photoresponse spectra 2−20731
GaP:Te, kinetic model for dopant incorporation during VPE 2−24294
GaSb epitaxial layer growth, on InAs substrates 2−24282
GaSb:S MBE film, S doping with H_2S gas 2−20187
$(GaSb)_{1-x}Ge_x$ films, single cryst. metastable, growth, thermal stability and characteristics 2−13832
$(GaSb)_{1-x}Ge_x$ single cryst. film growth, by sputter deposition, ion-surface interaction effects 2−24328
Ge, amorphous, solid-phase epitaxial crystn. on Si (100) 2−8809
Ge:P, P doping during gas phase chem. precip. 2−5686
Ge-GaAs interface grown by MBE 2−1217
Ge-GaAs n-n heterojunction, electron transport 2−5603
Ge_xSi_{100-x} amorphous layers, heterostruct. fabrication by solid phase growth 2−5006
$Hg_xCd_{1-x}Cr_2Se_4$, solid soln. thin films, isothermal epitaxial growth on $CdCr_2Se_4$ single cryst. substrate *(Japanese)* 2−13827
HgCdTe-CdTe epitaxial heterostruct., n-channel MIS CCD fabrication 2−5745
$Hg_{1-x}Cd_xTe$ epitaxial layers, slider LPE growth using Hg press. controlled growth solns. 2−13829
$Hg_{1-x}Cd_xTe$, LPE 2−19418
p-$Hg_{1-x}Cd_xTe$, slider LPE growth on CdTe substrate 2−8819
In-Ga-P-As, LPE growth in vertical furnace 2−24284
InAlAs/InGaAs MBE layer structs., ion beam anal. 2−19413
InAlAs-InGaAs interface, MBE, channelling anal. 2−5610
InAs, anisotropy effects in vapour epitaxy, growth rate and surface microrelief 2−587
InAs-GaSb superlattices in high magnetic fields, band struct., elec. and optical props. 2−14688
$InAs_{1-x}Sb_x$ alloys, epitaxial growth by MOCVD 2−4993
InGaAs-InP, avalanche photodiode, low leakage, LPE-grown 2−1811
InGaAs-InP BH lasers, with LPE burying layers, CW operation at 1.65 μm 2−25779
InGaAs-oxide, native grown plasma oxides and inversion layers 2−20199
$In_{0.05}Ga_{0.95}As$-$In_yGa_{1-y}As_{1-x}P_x$-GaAs heteroepitaxial system, dislocation struct., buffer layer effect 2−19409
$In_{0.53}Ga_{0.47}As$ avalanche and PIN diodes, dark currents and min. detectable powers 2−15408
$In_{0.53}Ga_{0.47}As$, near-band-gap absorpt. and photolum. 2−20729
$In_xGa_{1-x}As$ epitaxial layers, electron mobility *(Czech)* 2−5558

semiconductor epitaxial layers continued
InGaAsP alloys, VPE growth by single flat temp. method 2−581
InGaAsP, avalanche and PIN diodes, dark currents and min. detectable powers 2−15408
InGaAsP DH layers, laser characts., nonradiative recomb. effect 2−20901
InGaAsP grown by LPE, layer thickness calc. 2−24300
InGaAsP, high purity grown by liq. phase epitaxy 2−19417
InGaAsP high T_0 low threshold crescent-shape mesa substrate buried heterostruct. laser fabrication 2−25784
InGaAsP lattice, matched to InP, growth and charact. review 2−8812
InGaAsP, material requirements for near IR photodetectors, LPE and VPE growth techniques 2−9435
InGaAsP/InP 1.3 μ laser material, meltback and pullover as causes of LPE growth disturbances 2−24285
InGaAsP-InP DH LEDs, epitaxially grown layers, contact resistance 2−1816
p-$In_{0.75}Ga_{0.25}As_{0.55}P_{0.45}$:Cd LPE layer, doping characts. and elec. props. 2−20186
$In_{1-x}Ga_xAs_yP_{1-y}$ lattice matched to InP, comp. depend. of mobility, peak vel. and thres-hold field 2−5570
$In_{1-x}Ga_xAs_{1-y}Sb_y$ LPE growth with enriched composition on InAs substrate 2−13825
$In_{1-x}Ga_xP$, metallorganic VPE 2−569
InP epitaxial film, metalorganic CVD, elec. props. 2−14641
InP epitaxial layer, defect obs. and correl. with device performance 2−1198
InP high efficiency MM wave transferred electron oscillators fabricated by LPE 2−24696
InP, high purity grown by liq. phase epitaxy 2−19417
InP, LPE film growth for MESFET appl. 2−4989
n-InP LPE layer, donor-acceptor pair recomb. from donor ground and first excited states 2−1197
InP, LPE-grown, effect of substrate orientation on electrical properties 2−14636
InP MM-wave n^+-n-n^+ transferred electron oscillators, efficient fundamental freq. oscillation 2−9221
InP single crystal, lateral growth over dielec. films by orientation-depend. VPE 2−19414
InP, VPE deposition on GaAs substrate in InP-PCl_3-H_2 system, layer quality and elec. props. 2−13813
InP, VPE on InGaAs, growth for photodiode appl. 2−24298
InP:S VPE layers, effect of doping on mobility, Hall effect and magnetoresistance meas. 2−24991
InP-InGaAsP, DH laser wafer, LPE growth and struct. 2−25791
InP-InGaAsP heterostructure, electrolum. polarization due to internal strain 2−25605
InSb, epitaxial growth by laser evaporation, pulsed heating of substrate effect 2−24304
Pb chalcogenide layers and their solid solutions, controllable epitaxial growth 2−563
Pb salt epitaxial film, photovoltaic diode IR detector, modified hot wall technique prep. 2−10155
p-$Pb_{1-x}Cd_xTe$ epitaxial film, elec. transport props. 2−5590
PbSnSeTe-PbSeTe DH laser, lattice matched, low threshold 2−20897
$Pb_{1-x}Sn_xTe$, epitaxial layer, elec. cond. and Hall effect *(Russian)* 2−25045
$Pb_{1-x}Sn_xTe$:Cd crystals and LPE layers, doping and elec. props. 2−25144
PbTe (111) epitaxial thin films, elec. transport props., thermal-cycling induced changes 2−9465
PbTe, LPE growth on PbSnTe substrate through stripe openings on CaF_2 coating 2−574
p-PbTe:Ag epitaxial layers, elec. cond. and Hall coeff. 2−24986
PbTeSe, LPE growth lattice-matched to PbSnTe, phys. and elec. props. 2−585
Si, CVD under reduced pressure in hot-wall reactor, equilib. and kinetics 2−24303
Si, effect of defects on voltage breakdown of p-n junctions *(Russian)* 2−1225
Si epitaxial film deposition in CVD reactor, transients 2−13817
Si epitaxial layer solar cell performance under electron irrad. 2−23503
Si epitaxial layers, screw and circular structures 2−4998
Si epitaxial layers on Si substrate, elec. props. 2−20060
Si film, 2D grating graphoepitaxy from Si-Au supersaturated soln. 2−19420
Si, heteroepitaxial growth on $MoSi_2$ by electron beam evaporation 2−568
Si, laser annealing, rel. to LPE *(Japanese)* 2−1166
Si, laser annealing and crystallisation 2−2067
Si, laser-induced solid-phase crystal growth investigation by time-resolved optical reflectivity 2−590
Si layer large area uniform growth by solid phase epitaxy 2−8013
Si, MBE, background and dopant impurities in film and film-substrate transition region, elec. transport 2−1153
Si, MBE films, dislocation density, growth conditions depend. 2−583
Si, metallurgical grade, substrate for epitaxial thin film solar cells, by heat exchanger method 2−23643
Si molecular beam epitaxial growth 2−13814
Si on metallurgical grade Si, heat treatment effects 2−18492
Si on sapphire, low-density defect 2−24924
Si, semiconductor device processing, book contrib. 2−1277
Si single cryst. film, lateral epitaxy by seeded solidification, using stationary grapite heater 2−561
Si, single cryst. on oxide, CW laser induced lateral seeding process 2−8826
Si solar cell, low temp. solid-phase epitaxy 2−12848
Si, solid phase epitaxial growth, effect of surface struct. and surface absorbates 2−8823
Si, vapour phase epitaxy 2−24288
Si wafer, low power electron irrad. with conventional electron gun, heating effect numerical simulation 2−14618
Si:B, impurity diffusion and distrib. in surface layer during sublimation 2−14769
Si:Ga(Sb), MBE grown, sharp profiles with high and low doping levels 2−9551
Si-Al-(111)Si structures, redistrib. of Si at low annealing temps 2−5627
Si-insulator triple struct. fabrication by O_2 implantation and epitaxial growth 2−19421
SiC epitaxial growth, sublimation sandwich method, mass transport, Si excess effect 2−13830
SiC layer epitaxial growth by sublimation sandwich method, struct. defects 2−19406

semiconductor epitaxial layers continued
SiC:Al^+ implanted epitaxial diodes, cathodoluminescence characts. 2−10173
ZnO optical waveguide material, VPE CVD technique 2−24305
ZnSe, heteroepitaxial growth from vapour on GaAs substrates, characterisation 2−13819
ZnSe, metalorganic chemical VPE growth, photoluminesc. and Raman scatt. obs. 2−19412
$ZnSiAs_2$, MO-CVD growth and characterisation 2−13841
$ZnSiAs_2$, VPE growth on Ge and GaAs substrates, struct. and elec. props. 2−4988
ZnTe, CVD growth, open tube method 2−13824
ZnTe film on Si, epitaxial growth model, chem. comp. and interface struct. 2−19411

semiconductor growth
chalcogenide semiconductors, new fabrication techniques 2−25027
complex composition materials for quantum electronics, growth and characts. *(Russian)* 2−9967
epitaxial layer growth, production process for semiconductor components *(German)* 2−19410
p-GaAlAs, non-alloyed ohmic contacts, using MO-CVD contact layers 2−24296
III-III-V-V quaternary layers grown by LPE, thickness calc., appl. to InGaAsP 2−24300
III-V compounds, liquid phase electroepitaxial growth, new approach 2−8811
III-V semiconductor devices, MBE progress 2−24308
III-V semiconductor superlattices MBE growth *(French)* 2−14637
III-V semiconductors, chem. mechanisms for cryst. growth using coordination compounds in MOCVD process 2−5020
III-V semiconductors, epitaxial multilayers, vacuum metalorganic CVD growth 2−13816
laser-induced solid phase epitaxial growth, monitoring using time-resolved opt. reflectivity 2−8816
MBE, review of European developments, 1979-80 2−8814
MBE film growth for microwave device appls. 2−5003
MO-CVD, recollections and reflections 2−5014
optoelectronic III-V semiconductor crystal growth in laboratory 2−24306
organometallic growth, of II-VI compounds 2−570
organotin films, amorphous, semiconductive and conductive, form. and props. 2−19448
semiconductor, ultrafine 2−1143
poly-Si, nucleation and growth, in-situ obs. 2−24327
single cryst. film growth, by sputter deposition, ion-surface interaction effects 2−24328
stripe-geometry laser with in-situ ohmic contact and self-aligned ntive surface oxide mask using MBE 2−25780
superlattices, electronic properties, struct. and growth techniques 2−1221
three-dimensional microelectronic structures fabrication by MBE 2−9548
(Al,Ga)As, use of sapphire liners to eliminate edge growth in LPE 2−4996
(Al,Ga)As/GaAs heterostructures, molecular beam epitaxy growth 2−19415
(AlGa)As DH lasers, MBE grown, CW aging 2−20876
(AlGa)As DH lasers, molecular beam epitaxy for optical communication systems 2−20896
AlGaAs, layers growth by OM-VPE 2−4992
AlGaAs, organometallic VPE grown, characterisation for solar cell appls. 2−13820
AlGaAs-GaAs heterostructures, LPE growth for solar energy conversion 2−24281
AlGaAs-GaAs lasers, MO-CVD grown, review 2−6217
$Al_xGa_{1-x}As$, comp. change w.r.t. LPE temp. *(Russian)* 2−8815
$Al_xGa_{1-x}As$ epilayers, mm thick, Peltier-induced LPE and compositional control 2−4986
$Al_xGa_{1-x}As$ epilayers, MBE, protection during ambient transfer 2−4999
$Al_xGa_{1-x}As$, epitaxial layer, MBE growth 2−8822
$Al_xGa_{1-x}As$ films, VPE growth in inorganic transport systems 2−4997
$Al_xGa_{1-x}As$ grown by MBE, photoluminescence studies 2−10125
$Al_xGa_{1-x}As$ injection heterojunction laser with high pulsed power 2−10300
$Al_xGa_{1-x}As$, OMVPE growth 2−4991
$Al_xGa_{1-x}As$ p-n junction solar cells, grown-in deep-level defects 2−23616
$Al_xGa_{1-x}As$:Sn, MBE grown, photolum. spectrum, As/Ga flux ratio effect 2−1793
$Al_xGa_{1-x}As$-GaAs, V shaped DH laser, metalorganic CVD growth and properties 2−10291
$Al_xGa_{1-x}As$-GaAs quantum-well heterostruct. lasers, MBE grown, alloy clustering, photoluminesc. study 2−25792
$Al_{0.26}Ga_{0.74}Sb$-GaSb photodector, LPE growth and photo response *(Japanese)* 2−586
$Al_xGa_{1-x}Sb$ heterostructure, reproducible epitaxial layer growth from saturated Ga soln. 2−8806
$Al_xGa_{1-x}Sb$, LPE *(Japanese)* 2−586
$Al_{0.48}In_{0.52}As$:Be, MBE grown, Be doping 2−567
$Al_{0.48}In_{0.52}As_{0.52}As/Ga_{0.47}In_{0.53}As/Al_{0.48}In_{0.52}As$ DH laser, MBE grown 2−6216
AlN film grown at low temp. by modified sputter gun 2−8828
AlSb, epitaxial growth, eval. of triisobutylaluminium rel. to trimethylaluminium 2−4995
AlSb, LPE from Sb solns. 2−13821
BN, cubic, growth and characteristics of single crystal *(Japanese)* 2−19402
Cd-Si-As film, sputtered, compositional studies 2−5012
$CdF_2:Ho^{3+}$, semiconductor, growth, IR spectra and elec. cond. 2−8795
$Cd_xHg_{1-x}Te$, growth by MOVPE and characterisation 2−4994
$Cd_xHg_{1-x}Te$, molecular beam epitaxy on CdTe 2−580
$Cd_xHg_{1-x}Te$, VPE using organometallics elec. props. and charact. 2−584
α-CdS preparation by thermal and plasma-conversion of Cd 2−24315
CdS single crystals, growth by vapour-phase hydrogen transport 2−24274
CdS single crysts., evaporation and formation of negative whiskers 2−19401
CdS solar cell, polycrystalline thin film, liquid junction, performance eval. 2−7963
CdS-S coevaporated thin film prep. and cryst. props. 2−19440
CdSe thin film, chemically deposited, for photoelectrochemical cells 2−19423
CdTe, crysts., vapour phase growth 2−13807
CdTe, molecular beam epitaxy on CdTe (100) and (100) 2−579

semiconductor growth continued
p-$CuGa_{1-x}In_xS_2$/n-ZnSe heterojunction LPE growth from In soln. 2−8813
$CuInS_2$, crystal growth, horizontal Bridgman method 2−8793
$CuInS_2$, growth on GaP substrate, by chem. vapour deposition 2−5019
$CuInS_2$ photovoltaic material, growth and elec. props., solar cell and cell array appls. 2−20726
$CuInSe_2$ epitaxial layer growth on GaAs, struct. and elec. props., substrate surface polarity influence 2−19404
$CuInSe_2$, thin films, ion-beam sputtered, characterisation 2−5599
(Ga,In)As alloys, on InAs substrates, substrate instability during LPE growth 2−577
Ga-InAs, MOCVD 2−603
GaAlAs DH low-threshold strip geometry laser by metal organic CVD 2−1942
GaAlAs, growth by low-pressure MO-CVD, gettering of O_2 2−602
GaAlAs/GaAs double heterostructures, for opto-electronic devices, MOCVD growth 2−5022
$Ga_{1-x}Al_xAs$, MO-CVD growth, quantum well transport structs. 2−5021
$Ga_{1-x}Al_xAs$ solid solns., epitaxial film prep. from gas phase, deposition thermodynamics 2−8807
$Ga_xAl_{1-x}As$ epitaxial layers on GaAs, morphology and misfit dislocations 2−4987
$Ga_xAl_{1-x}As$, heterostructure MESFET devices, LPE 2−1395
$Ga_xAl_{1-x}As$ LPE growth, GaAs substrate dislocation behaviour 2−565
$Ga_xAl_{1-x}As$ MBE growth, volatile metal oxide incorporation 2−5002
GaAlP, MO-CVD growth 2−5018
GaAs crystals, selective corrosion and selective growth *(Chinese)* 2−4984
GaAs dendritic web, grown by liq. encapsulation, characterisation 2−575
GaAs epilayers, growth by MOCVD, appl. to microwave MESFETs 2−573
GaAs, epitaxial film growth, CLEFT process 2−591
GaAs, epitaxial growth by MO-VPE, growth mechanism 2−571
GaAs, epitaxial layer, MBE growth 2−8822
GaAs epitaxial layers, by low pressure MOVPE, using triethylgallium as Ga source 2−4990
GaAs epitaxial layers, screw and circular structures 2−4998
GaAs epitaxial layers, CVD on Ge heteroepitaxial films 2−8809
GaAs, FET performance, rel. to material growth techniques 2−1380
GaAs films, epitaxial growth simulation 2−5005
GaAs, growth rate anisotropy and growth in gas transport systems 2−13809
GaAs, growth rate anisotropy analysis in CVD system 2−19430
GaAs heteroepitaxial layer deposited by laser pulse, condensation mechanism 2−19407
GaAs, high purity, LPE growth conditions and elec. props. 2−24299
GaAs, high purity prepared from trimethylgallium and arsine 2−601
GaAs, high-purity, VPE in $AsCl_3$-Ga-N_2 system 2−24292
GaAs, IC fabrication, selective epitaxy and electron beam lithography 2−5823
GaAs, LPE, mass transfer processes influence 2−564
GaAs layers, vapour phase growth rate and morphology, elec. field effect 2−19408
GaAs, layers growth by OM-VPE 2−4992
GaAs MBE growth, volatile metal oxide incorporation 2−5002
GaAs, MO-CVD grown under different Ga/As mol fractions, deep levels 2−604
GaAs, metallorganic CVD in a molecular beam system 2−5015
p-GaAs, non-alloyed ohmic contacts, using MO-CVD contact layers 2−24296
GaAs, organometallic VPE grown, characterisation for solar cell appls. 2−13820
GaAs photocathodes, for low light level imaging, MOCVD 2−5023
GaAs power MESFETs prep. by metalorganic CVD 2−14857
GaAs, shallow diffusion of Zn for optical waveguide modulators 2−25534
GaAs single cryst. film growth, by sputter deposition, ion-surface interaction effects 2−24328
GaAs single crysts., production with low dislocation densities by Czochralski method 2−550
GaAs substrate, semi-insulating, effect of Cr-doping on device quality 2−24295
GaAs, thermal conditions effect on large-diameter growth of single crysts. 2−549
GaAs thin film solar cells by OM-CVD growth, high efficiency 2−18538
GaAs thin-film MOS solar cells, 10 μm film thickness, characts. 2−23621
GaAs, VPE growth in low press. halogen transport system 2−8810
GaAs, VPE in China, review 2−24293
GaAs, VPE in Cl system 2−24291
GaAs, vapour phase epitaxy, flow channel reactor 2−24290
GaAs:As^+, ion implanted layers, solid phase epitaxial regrowth 2−8800
GaAs:Si, MBE growth, effect of growth conditions on Si doping 2−8803
GaAs/(Ga,Al)As, transmission photocathode, growth by MO-VPE 2−1812
GaAs/n-AlGaAs heterostructures, selectivity doped, high mobility electrons, high-speed devices appl. 2−19416
GaAs-(Al,Ga)As heterostructure growth, qualitative and quantitative assessments by fast ellipsometers 2−5004
GaAs-(Ga,Al)As heterostructures for FETs *(French)* 2−20249
GaAs-GaAlAs, DH laser grown by metalorganic CVD process 2−1965
GaAs-GaAlAs, selective MOCVD epitaxy for optoelectronic devices 2−572
GaAs-n-AlGaAs heterostructure grown by MBE, growth temp. effect on two-dimens. electron gas mobility 2−5606
GaAs-ZnSe heterojunction interface, LPE conditions effect 2−25066
$GaAs_{1-x}P_x$ layers, mixed cryst. comp. rel. to vapour phase comp. in Ga-HCl-PH_3-AsH_3-(NH_3)-H_2 system 2−19405
GaInAs, grown by MOCVD, for microwave and optoelectronic appls. 2−5017
GaInAs layer growth by vapour phase heteroepitaxy, thermodynamic delineation 2−24302
GaInAs, VPE growth, hydrides and organometallics methods *(French)* 2−8821
GaInAs-AlInAs structures grown by molecular beam epitaxy 2−8808
$Ga_{0.47}In_{0.53}As$, LPE growth, baking temp. effect on purity, photoluminesc. and elec. props. 2−13823
$Ga_{0.47}In_{0.53}As$, low temp. LPE growth 2−8817
$Ga_{0.47}In_{0.53}As$, MESFETs, double heterostructure, molecular beam epitaxy 2−1394
$Ga_{0.47}In_{0.53}As$ uniform, MBE growth with rotating sample holder 2−8801
$Ga_{0.47}In_{0.53}As$:Be, MBE grown, Be doping 2−567

semiconductor growth continued
$Ga_{1-x}In_xAs$ graded band gap layers, ohmic contacts to n-GaAs grown by MBE 2−5613
$Ga_{1-x}In_xAs$ uniform epitaxial layers, organometallic VPE growth, elec. charact. 2−13828
GaInAsP, grown by MOCVD, for microwave and optoelectronic appls. 2−5017
GaInAsP VPE growth, hydrides and organometallics methods *(French)* 2−8821
GaInAsP-InP DH diode lasers emitting at 1.5 μm grown by LP-MO CVD 2−25782
$Ga_xIn_{1-x}As_yP_{1-y}$-InP laser, 1.3 μm, index-guiding struct. grown on terraced substrate 2−1964
GaN, high pressure vapour growth 2−13822
GaP cryst., morphology and mechanism of growth from gas phase 2−13808
GaP layers, deposited on GaAs substrate, initial growth and defect struct. 2−24283
GaP, MO-CVD growth 2−5018
GaP, prep. by MO-CVD 2−24297
GaP:Te, kinetic model for dopant incorporation during VPE 2−24294
GaSb epitaxial layer growth, on InAs substrates 2−24282
GaSb single crystals, with low dislocation density, LEC growth technique 2−13806
GaSb, undoped single crystals, obs. of growth striations 2−19400
$(GaSb)_{1-x}Ge_x$ films, single cryst. metastable, growth, thermal stability and characteristics 2−13832
Ge, amorphous, solid-phase epitaxial crystn. on Si (100) 2−8809
Ge crystals, effect of thermal conditions during growth on stresses 2−548
Ge film, polycryst., low temp. growth by UV laser photodissociation of GeH_4 2−24318
Ge single crysts., grown in batches by Stepanov method, impurity distrib. 2−553
Ge single crysts., grown in different directions, radial distrib. of dopant 2−554
Ge single crysts., heat transfer effect between cryst. and screen in thermal stresses and dislocation struct. 2−547
Ge, ultralarge profiled single crysts. growth, homogeneity 2−546
Ge:Ga heavily doped single crystals grown from melt, interface breakdown 2−13804
Ge:Li, γ-irrad., radiation defect interaction with impurity atoms 2−14768
Ge:P epitaxial films, P doping during gas phase chem. precip. 2−5686
Ge-GaAs interface grown by MBE 2−1217
Ge-GaAs superlattices, MBE growth 2−5001
Ge_xSi_{100-x} amorphous layers, heterostruct. fabrication by solid phase growth 2−5006
$Hg_xCd_{1-x}Cr_2Se_4$, solid soln. thin films, isothermal epitaxial growth on $CdCr_2Se_4$ single cryst. substrate *(Japanese)* 2−13827
HgCdTe-CdTe epitaxial heterostruct., n-channel MIS CCD fabrication 2−5745
$Hg_{1-x}Cd_xTe$, detector grade, LPE growth from Te rich solns. 2−8818
$Hg_{1-x}Cd_xTe$ epitaxial layers, slider LPE growth using Hg press. controlled growth solns. 2−13829
$Hg_{1-x}Cd_xTe$, LPE 2−19418
$(Hg_{1-x}Cd_x)Te$ RF sputtered thin films, effect of annealing in Hg vapour on props. 2−5557
p-$Hg_{1-x}Cd_xTe$, slider LPE growth on CdTe substrate 2−8819
In-Ga-P-As, LPE growth in vertical furnace 2−24284
InAs, anisotropy effects in vapour epitaxy, growth rate and surface microrelief 2−587
$InAs_{1-x-y}P_xSb_y$, LPE growth on InAs substrate 2−19419
$InAs_{1-x}Sb_x$ alloys, epitaxial growth by MOCVD 2−4993
InGaAs, reduction in dislocation densities in MBE step graded growth 2−8804
$In_{0.53}Ga_{0.47}As$ very shallow junction gate struct., MBE growth, elec. charact., JFET device appls. 2−14867
InGaAsP alloys, VPE growth by single flat temp. method 2−581
InGaAsP grown by LPE, layer thickness calc. 2−24300
InGaAsP, high purity grown by liq. phase epitaxy 2−19417
InGaAsP lattice, matched to InP, growth and charact. review 2−8812
InGaAsP, material requirements for near IR photodetectors, LPE and VPE growth techniques 2−9435
InGaAsP/InP 1.3 μ laser material, meltback and pullover as causes of LPE growth disturbances 2−24285
InGaAsP/InP:Cd DH lasers, LPE growth 2−8802
InGaAsP-InP, LED, 1.3 μm with internally defined emission area, prep. by single step LPE process 2−20757
InGaAsP-InP 1.3 μm LPE and VPE grown edge-emitting LEDs 2−6116
InGaAsP-InP planar buried heterostruct. laser diode with low threshold current fabrication byLPE technique 2−20886
$In_{1-x}Ga_xAs_{1-y}P_y$/InP LPE heterostruct., misfit dislocation-free, growth conditions 2−566
$In_xGa_{1-x}As_yP_{1-y}$, stabilisation by InP substrate inside unstable region in LPE 2−24310
$In_{1-x}Ga_xAs_{1-y}Sb_y$ LPE growth with enriched composition on InAs substrate 2−13825
$In_{1-x}Ga_xP$, metallorganic VPE 2−569
$In_xGa_{1-x}P$, MBE growth on GaAs, at high substrate temps. 2−14643
InGaPAs DH diode laser on GaAs substrate, fabrication and visible light emission 2−10294
In_2O_3 films, evaporation from In_2O_3/In source, chemical and elec. props. 2−8832
InP, growth and cryst. quality by liq. encapsulated Czochralski technique 2−4983
InP high efficiency MM wave transferred electron oscillators fabricated by LPE 2−24696
InP, high purity grown by liq. phase epitaxy 2−19417
InP, LPE film growth for MESFET appl. 2−4989
InP, liq. encapsulated Czochralski growth, B contamination and precipitation 2−4979
InP MM-wave n^+-n-n^+ transferred electron oscillators, efficient fundamental freq. oscillation 2−9221
InP, MOCVD 2−603
InP, polycrystalline, low temp. growth, elec. props. meas. 2−13810
InP single crystal, lateral growth over dielec. films by orientation-depend. VPE 2−19414
InP, VPE deposition on GaAs substrate in InP-PCl_3-H_2 system, layer quality and elec. props. 2−13813
InP, VPE on InGaAs, growth for photodiode appl. 2−24298
InP:Co, single cryst. growth and elec. props. 2−4980

semiconductor growth continued
InP:O, horizontal Bridgman growth, O doping effect, Hall effect meas. 2−9558
InP-InGaAsP, DH laser wafer, LPE growth and struct. 2−25791
InSb, anal. and control of solidification by differential dilatometry 2−559
InSb, epitaxial growth by laser evaporation, pulsed heating of substrate effect 2−24304
InSe, cryst. growth 2−558
$In_{2-x}Sn_xO_3$ film, DC magnetron sputter deposition 2−24333
$LiGaSe_2$ single cryst. growth and characterization 2−8792
Pb chalcogenide layers and their solid solutions, controllable epitaxial growth 2−563
Pb salt epitaxial film, photovoltaic diode IR detector, modified hot wall technique prep. 2−10155
PbS crystals, growth from interacting colloids in gels 2−4982
PbS photosensitive films for thermophotovoltaic appl., dip-dry process for prep. 2−18495
PbTe, diffusive-convective physical vapour transport from Te-rich solid source 2−24273
PbTe, LPE growth on PbSnTe substrate through stripe openings on CaF_2 coating 2−574
PbTeSe, LPE growth lattice-matched to PbSnTe, phys. and elec. props. 2−585
Si, amorphous, new fabrication technologies 2−25020
Si, amorphous, rate of CW laser induced solid phase epitaxial regrowth 2−8805
Si amorphous film, prep. by CVD, elec. props. 2−595
Si, amorphous thin-layers production and appls. *(German)* 2−24944
Si, CVD from $SiCl_4$-H_2-N_2 system, rate-determ. reactions and surface species 2−24330
Si, CVD from $SiHCl_4$-H_2-N_2 system, rate-determ. reactions and surface species 2−24330
Si, CVD under reduced pressure in hot-wall reactor, equilib. and kinetics 2−24303
Si crystal growth, wide ribbon used for solar cell manufacture, crucible assembly 2−24276
Si crystal purity in melt growth maintained using refractory liners 2−24277
Si, Czochralski-grown, O and C impurities 2−1156
Si, defect-free device processing, book contrib. 2−1278
Si dendritic web, wide ribbon growth, used for solar cell manufacture 2−24278
Si, deposition from melt *(French)* 2−5008
Si electrodeposition at temps. above melting point 2−5533
Si electrodeposition on graphite 2−5007
Si, electrowinning from solutions of SiO_2 in NaF/CaF_2 and other fluoride eutectics 2−5026
Si epitaxial layers, screw and circular structures 2−4998
Si film, 2D grating graphoepitaxy from Si-Au supersaturated soln. 2−19420
Si film, amorphous doped, deposition mechanism in SiH_4 plasma 2−13844
Si film, polycryst., low temp. growth by UV laser photodissociation of SiH_4 2−24318
Si film deposition by pyrolytic decomposition of SiF_2 gas 2−24325
Si film prep. by plasma and low press. CVD in horizontal reactor 2−8837
Si films, polycrystn., continuous growth by CVD 2−24289
Si from SiH_4 through plasma deposition 2−19453
Si, growth from SiH_4 in cold wall CVD systems 2−5025
Si, heteroepitaxial growth on $MoSi_2$ by electron beam evaporation 2−568
Si ingot-casting process, Heat Exchanger Method, solar cell fabrication appl. 2−23572
Si island growth on bulk fused SiO_2 by CO_2 laser annealing 2−24309
Si, laser annealing, rel. to LPE *(Japanese)* 2−1166
Si, lateral epitaxy by seeded solidification on SiO_2 2−562
Si, layer growth by CVD on liquid Sn coated graphite substrate 2−8838
Si layer large area uniform growth by solid phase epitaxy 2−8013
Si, low cost manufacturing based on multiple EFG ribbon technology 2−12892
Si, MBE, background and dopant impurities in film and film-substrate transition region, elec. transport 2−1153
Si, MBE films, dislocation density, growth conditions depend. 2−583
Si melt level automatically controlled, using laser beam monitoring 2−24279
Si, plasma deposited amorphous films, props. governed by plasma parameters 2−24332
Si, poly, CVD, ability to deposit nearly inaccessible areas of IC topology 2−14913
Si polycryst. on SiO_2, recrystallisation by dual electron beam processing, lateral seeding technique 2−24311
Si polycrystalline film production in H_2 medium, chemical process, appls. *(Bulgarian)* 2−24319
Si polycrystalline ribbon, high press. plasma deposition 2−24324
Si, RAD process polysilicon sheets growth and performance progress 2−12893
Si, recrystallisation of encapsulated poly-Si on SiO_2 substrate prep. by moving belt zone melting, MOSFET's 2−9535
Si rheotaxial film development by CVD on low cost substrate, solar cell appl. 2−609
Si ribbon and sheet growth processes for low-cost solar cells 2−23525
Si ribbon high-rate growth 2−13812
Si ribbon solar cells, conversion efficiency rel. to growth conditions and processing variables 2−23568
Si Schottky mixer diode, low barrier height, using super thin Si films, MBE fabrication 2−9611
Si, seeds for growing single crysts. by zone melting without crucible, dislocation density 2−24272
Si, semiconductor device processing, book contrib. 2−1277
Si sheet growth by ribbon-to-ribbon process, scanned CO_2 laser beam appl., solar cell fabrication 2−23570
Si single cryst. film, lateral epitaxy by seeded solidification, using stationary grapite heater 2−561
Si, single cryst. wafers, prep. from quartzite, book contrib. 2−560
Si single crystals, grown from melt, appearance of dislocations 2−552
Si solar cell, low temp. solid-phase epitaxy 2−12848
Si, solid phase epitaxial growth, effect of surface struct. and surface absorbates 2−8823
Si solid-phase epitaxy p-n junction formation, low-temp. technique for efficient solar cells 2−18593
Si strip production, by Stepanov method with wetted shaper 2−551

semiconductor growth continued
Si wafer, Czochralski grown, photolum. characteris. of thermally-induced defects 2−9412
Si wafer cost reduction for photovoltaics 2−5661
Si:Ga, float zone growth, improved uniformity 2−8796
Si:H, amorphous, homogenous CVD 2−19442
Si:H, amorphous, prep. from higher silanes with high growth rate 2−606
Si:H, amorphous film growth, plasma diagnostics 2−24331
p-Si:H, B amorphous film, high cond., prep. by Penning discharge 2−19439
Si:H, sputtered coating, H effusion, ion beam nuclear analysis *(French)* 2−589
Si:H amorphous film deposition by Penning glow discharge of SiH_4 2−19437
Si:H amorphous film deposition from SiH_4-Ar plasma 2−19441
a-Si:H and a-Si:F:H P-I-N solar cells, photovoltaic behaviour 2−23533
Si:H(H,F), amorphous, plasma deposition kinetics model 2−19445
Si:Tl, solution growth for 3 to 5 μm photocond. detectors 2−8798
Si-Ge alloys for IR detection, Czochralski growth and crucible-free process prep. 2−8797
Si-insulator triple struct. fabrication by O_2 implantation and epitaxial growth 2−19421
SiC epitaxial growth, sublimation sandwich method, mass transport, Si excess effect 2−13830
SiC layer epitaxial growth by sublimation sandwich method, struct. defects 2−19406
a-SiC:H/a-Si:H heterojunction solar cell with conversion efficiency more than 7.5% 2−18588
SiH_x, plasma deposited amorphous films, props. governed by plasma parameters 2−24332
SnO_2:Sb film, prep. by activated reactive evaporation 2−24334
SnO_x:Sb film, platinized, prep., surface composition and electronic struct. 2−24314
ZnO film prep. by metalorganic CVD from diethyl zinc 2−24326
ZnO, highly oriented films, by CVD 2−13846
ZnO optical waveguide material, VPE CVD technique 2−24305
ZnO, single cryst. prep. by soln. slow cooling and flux reaction technique 2−19398
Zn_3P_2 film, quasi-rheotaxial growth 2−8836
Zn_3P_2, single cryst. growth 2−4981
Zn_3P_2, single-crystal growth using closed-tube horizontal vapour transport system, bulk elec. props. 2−19403
ZnS crystals, growth from interacting colloids in gels 2−4982
ZnS_xSe_{1-x}, polycryst., prepared by CVD, struct. and optical props. 2−24329
ZnSe crystals, as-grown from melt, growth and elec. props. 2−20079
ZnSe, heteroepitaxial growth from vapour on GaAs substrates, characterisation 2−13819
ZnSe, metalorganic chemical VPE growth, photoluminesc. and Raman scatt. obs. 2−19412
$ZnSiAs_2$, MO-CVD growth and characterisation 2−13841
$ZnSiAs_2$, VPE growth on Ge and GaAs substrates, struct. and elec. props. 2−4988
ZnTe, CVD growth, open tube method 2−13824
ZnTe film on Si, epitaxial growth model, chem. comp. and interface struct. 2−19411
ZnTe layers on Si, growth by solid-state reactions of Zn and Te layers prep. by ion beam evap., junction props. *(Japanese)* 2−8834

semiconductor-insulator boundaries
see also semiconductor-insulator-semiconductor structures
field effect cond. of semicond.-multilayer dielec. coating struct. at enriching voltages *(Russian)* 2−25095
III-V semiconductor/oxide interfaces, chem. comp. and form., review 2−5700
nonlattice matched interface, U-shaped background density of interface states 2−14716
piezodielectric-semiconductor boundary, EM wave and SAW interaction 2−1544
Rayleigh wave propagation in piezoelec.-semicond. system, transverse elec. field effect 2−1505
semiconductor-oxide interface, cathodolum. characteris. 2−9511
SOS films with negative and positive interfacial charges 2−5639
SOS wafer, electrical interconnection form. in laser-drilled hole array 2−1008
tunnel insulator-semiconductor interface appl. 2−25097
Al-SiO_2-Si structure with plasmochemical insulator, elec. props. 2−14729
c-amorphous $In_{0.25}Te_{0.75}$-C struct. nanosecond switching parameters 2−9457
CdSe-Al_2O_3 interface states, field effect spectroscopy 2−1243
CdSe-SiO_2 interface states, field effect spectroscopy 2−1243
p-CdTe, covered with dielec. films, annealing effects, diffusion phenomena and carrier conc. *(Japanese)* 2−20147
n-GaAs-anodic oxide interface, props., anal. using MOS theory 2−20142
GaAs-oxide interface states: gigantic photoionization via Auger-like process 2−14718
GaAs-Si_3N_4 interface, trap studies 2−14715
n-GaP/stearic acid, surface pot. studies on Langmuir-Blodgett films 2−14719
InAs(P)(Sb) inversion layer transport, insulator properties 2−1236
InGaAs-oxide, native grown plasma oxides and inversion layers 2−20199
In_2O_3-CdSe-VO_2 heterojunctions, optical control of spectral characts. 2−20722
n-InP-Al_2O_3 interface, anodic growth, props., enhancement-MISFET fabrication on semi-insulating substrates 2−20260
InP-InP oxide, sputter deposition of oxide film for MOSFET appls. 2−20263
$LiNbO_3$-InSb film struct., acoustoelectronic interaction, quantum size effect 2−25093
Si, lateral epitaxy by seeded solidification on SiO_2 2−562
Si, oxidation by O_2, model 2−14784
Si solar cells, MIS/SIS structure advantages and problems in comparison to thermally diffused p-n junction structure cells 2−4373
Si:H, amorphous plasma deposited coating, field effect cond., illumination and annealing effects 2−24994
Si-insulator triple struct. fabrication by O_2 implantation and epitaxial growth 2−19421
Si-on-ceramic solar cells, grooved substrate to give back contacts 2−4354
Si-SiO_2, avalanche electron injection, interface states generation 2−9506
Si-SiO_2, oxidation kinetics in pyrogenic steam and elec. props. 2−9575

semiconductor-insulator boundaries continued
Si-SiO_2 interface, ellipsometric investig. with continuous and discontinuous etching methods, transition layer *(Russian)* 2−9509
Si-SiO_2 interface, hot electron induced defects 2−25098
Si-SiO_2 interface, p-channel implanted transistor threshold voltage depend. on impurity segregation during oxidation 2−5746
Si-SiO_2 interface, phys. struct. of interface states, correl. to technology anal. *(German)* 2−14720
Si-SiO_2 interface defects, low temp. annealing and hydrogenation 2−5636
Si-SiO_2 interface in MOS structs., memory effects caused by irrad. *(Russian)* 2−14723
Si-SiO_2 MOS structs., donor conc. in Si surface layer, electron irrad. temp. effect 2−9517
Si-SiO_2 system obtained by Si oxidation in water vapour, electrophys. props. *(Russian)* 2−14724
Si-SiO_2 systems, physico-chemical processes, behaviour of H and H-containing structs. *(Russian)* 2−1249
Si-SiO_2-Al structure, Al-SiO_2 and Si-SiO_2 interlayer characts., ellipsometry, C-V meas., and AES study 2−5638
n-Si-TiN contact, elec. characts. 2−14711
Si_3N_4-Si, ion beam synthesised passivating layers, XPS study 2−25154
Si_3N_4-SiO_2-Si structure, spectroscopic ellipsometry, nondestructive anal. 2−14712
SiO_2, electron trapping, reduction by high temp. N_2 annealing 2−14709
SiO_2-Si interface states generation at low temp. with ionising radiation 2−14702
SiO_2-Si:B, ion implanted layers, equivalent circuit 2−25087
SiO_2-Si-SiO_2 structure, polycrystalline Si recrystallisation by CO_2 laser heating of SiO_2 2−1301
$SiSiO_2$-electrolyte structures, interface state props. depend. on pH 2−20141
Te film on $Pb_5Ge_3O_{11}$, TGS and TGSe substrates, ferroelec. field effects 2−1527

semiconductor-insulator-semiconductor structures
solar cell, S(p^+n)IS struct. 2−28112
solar phototransformers based on laminated semicond.-dielec.-semicond. struct. *(Ukrainian)* 2−20157
SOS devices, nonuniformities in ultra-thin oxide layers, effects on props. 2−9521
Ga_2Se_3 thin films in MS'IS structure, elec. props., localised states influence 2−14740
$In_{2-x}Sn_xO_{3-y}$-Si_3N_4-pSi tunnelling solar cells under concentrated light illum., conversion efficiencies 2−23618
$In_{2-x}Sn_xO_{3-y}$-SiO_x-pSi tunnelling solar cells under concentrated light illum., conversion efficiencies 2−23618
Si amorphous p-i-n junction, drift type photovoltaic effect 2−25106
Si amorphous p-i-n solar cells, stability tests 2−18590
Si:H amorphous n-i-p solar cell, minority carrier transport in depletion layers 2−28117
Si-SiO_2-n-InAs(n-InSb)(p-ZnTe) hybrid struct., elec. cond. and capacitance 2−14739

semiconductor integrated circuits *see monolithic integrated circuits*

semiconductor junction lasers
applications in Japan for fibre communication and information processing *(German)* 2−25797
bistable optical device using semiconductor laser diode and photodetector 2−2003
buried heterostruct. laser with segmented contact, bistability and neg. resist. 2−25771
buried heterostructure lasers, optical and elec. meas. 2−10284
channel-guide injection laser, leaky mode operation 2−10285
circuit model, nonlinear 2−10296
coupling into multimode fibres with tapered hemispherical ends , lower mode excitation 2−20907
CQL10 780 nm laser for information read-out *(German)* 2−6219
CW laser hermetic package with integral power monitoring and direct fibre optic launching 2−1954
degradation processes in semiconductor lasers 2−1956
development of injection lasers, basic principles and real laser diode props. 2−10298
device research conference, Santa Barbara, CA, USA (June 1981) 2−6
DFB semiconductor lasers with chirped grating, axial-mode selectivity and threshold gain 2−6224
DH diode lasers, CW constricted, spectral mode content, facet reflectivity effect 2−6212
DH lasers, reflectivity, analytical approx. 2−20892
DH lasers, self-consistent static model 2−1947
diode intensity noise props. due to refl. waves from single-mode optical fibres 2−9992
diode lasers, electronic phase-noise suppressions 2−20878
diode lasers, high power, CDH-LOC, with lifetimes >10000 h, optical recording appls. 2−25783
diode lasers, longitudinal mode spectra 2−25776
driver circuits, based on GaAs single and double heterostructures *(German)* 2−10288
facet coating selection for diode laser, optimisation procedure 2−1948
fibre interferometer sensor systems, diode laser source limitations 2−10038
fibre optic communications, sources, detectors 2−21824
fibre optic technology, sources and detectors, multiplexing schemes 2−21844
fibre optical communication components 2−2793
fibre-optic analogue video transmission systems using laser diodes, linearity 2−21850
fibre-optic communication systems, laser, diode transmitter elements, development review *(German)* 2−21826
Fox-Smith configured laser, phase sensitivity and linewidth narrowing 2−25775
guided-wave optical and SAW devices, systems and appls., conf., San Diego, CA, USA (July 1980) 2−10
handbook of semiconductor laser diodes and appls. 2−8142
heavily doped semiconductor lasers 2−6208
high-powered injection laser structure 2−25789
hot electron and phonon effects layered semiconductor struct. and heterostruct. 2−14675
information processing applications 2−15586
injection heterojunction laser with high pulsed power 2−10300
injection laser modulation dynamics, large-signal circuit model for simulation 2−1950
injection lasers, threshold and oscillation, review of laser theory 2−25798

semiconductor junction lasers continued
injection locked, used as repeater in 1.51 μm monomode fibre link 2−26497
injection locking, expt. obs. of asymmetric detuning characts. 2−25777
injection type, spontaneous emission effects on laser props. and operation *(Japanese)* 2−10295
intrinsic resonant frequency magnitude 2−1940
introduction to diode lasers 2−6222
light sources for optical links, research into operating wavelength 2−16481
MBE technology, review 2−13831
metallisation and heat sink problems, (AlGa)As and InGaAsP 2−6218
mode locking, active, of linear and ring external-cavity semicond. lasers 2−6206
modulation response, lateral carrier diffusion effect 2−1951
multiple-quantum-well laser, formulae for no. of modes 2−10007
narrow stripe visible laser, proton isolated, grown by metalorganic CVD, lasing characts. 2−25774
narrow-stripe gain-guided diode lasers, spontaneous emission factor 2−15507
negative light/current characts. laser, condition for operation 2−10286
optical communication systems, development in fibre optic device, review 2−26502
optical coupler for submarine transmission laser redundancy system 2−26499
optical discs, laser diode uses 2−2959
optical feedback effects in broadband transmission systems 2−26495
optical fibre, multimode, transmitted laser signal, amplitude fluctuation 2−6014
optical fibre communications, various solid state light sources and detectors analysed *(Italian)* 2−11081
optical FSK heterodyne detect. expts. using semicond. laser transmitter and local oscillator 2−2783
optoelectronic devices, review 2−25563
$pb_{1-x}Sn_xSe$ heterostructure for injection lasers 2−25799
performance, reliability, availability and appls. 2−6204
picosecond pulse generation, review *(Japanese)* 2−20899
product growth cycle 2−25549
pumping current pulse generator, for semiconductor laser, using a thyristor 2−14017
quantum-well heterostructure laser, transient and noise characts. 2−6233
regenerative diode laser pulser 2−25766
reliable injection laser transmitter using twin laser chip for redundancy 2−25788
review and developments 2−25795
safety aspects of laser diodes, hazard identification 2−11975
semiconductors at IBM: physics, novel devices, and materials science, review 2−20054
sensor system consisting of semiconductor laser and external cavity, sources and configs. 2−7091
SHG with semiconductor lasers in waveguide structure 2−6263
single mode injection lasers, power-gain curve, universal function, expt. determ. 2−25794
spectrum-narrowing ratio determ. by optical feedback 2−20888
stripe-geometry laser with in-situ ohmic contact and self-aligned ntive surface oxide mask using MBE 2−25780
synchronously pumped, mode-locked, picosecond pulse generation 2−25768
theory and chip manufacture *(French)* 2−20900
TJS sigle-mode high-power crank struct. laser diodes, CW 15-mW operation test 2−10303
tunable oscillator development feasibility utilising a metal-barrier-metal-barrier-metal junction system 2−20903
V-groove lasers, generating high peak pulse powers *(German)* 2−20909
VPE long-wavelength optoelectronic device fabrication and reliability for optical communication 2−2810
(Al,Ga)As DH injection laser with asymm. gain distrib., computer model 2−25786
AlAs-$Al_xGa_{1-x}As$-GaAs superlattices, absorpt., stimulated emission and clustering 2−25050
AlAs-GaAs heterojunction stripe geometry lasers, nonlinear power-current characteristics 2−15510
AlAs-GaAs superlattice, absorption and stimulated emission 2−15502
AlGaAs CSP laser, used in optical switch 2−20877
AlGaAs constricted DH laser, low threshold current temp. sensitivity 2−15508
AlGaAs constricted double-heterojunction diode lasers, structs. and electrooptical characts. 2−20894
AlGaAs DH laser, highly RF modulated, effect of cavity length on picosecond pulse generation 2−15516
AlGaAs DH laser amplifiers, signal gain, freq. bandwidth, saturation output power 2−10332
AlGaAs DH laser diodes, Si optical bench for reproducible optical feedback path 2−16470
(AlGa)As DH lasers, MBE grown, CW aging 2−20876
(AlGa)As DH lasers, molecular beam epitaxy for optical communication systems 2−20896
AlGaAs DH lasers, modulation characts. in 6 to 10 GHz range 2−20908
AlGaAs DH wavelength multiplexing injection laser source with graded comp. along active layer 2−1945
AlGaAs diode laser, RF modulated, generation of ultrashort optical pulses *(Japanese)* 2−6220
AlGaAs diode laser, subpicosecond coherent optical pulse generation by passive mode locking 2−25767
AlGaAs injection-locked semiconductor laser, optical FM signal amplification and FM noise reduction 2−10287
AlGaAs laser, used for digital audio recording system *(German)* 2−22024
AlGaAs laser diode for amorphous magnetic film erasable optical disc memory 2−11252
AlGaAs laser source for high-resolution RF spectrum analyser 2−6053
AlGaAs lasers, narrow proton-implanted, for audio/video discs, optical communication and recording 2−6232
AlGaAs lasers with micro-cleaved mirrors suitable for monolithic integration 2−25773
AlGaAs mode-locked diode lasers, oscillation characts. of coherent ultrashort optical pulses 2−15511
AlGaAs oxide stripe CW lasers, spatial mode stability during aging 2−6215
AlGaAs, short wavelength laser and LEDs, role of buffer layers in reducing degradation 2−1962

semiconductor junction lasers continued
AlGaAs stripe-geometry DH lasers with soft turn-on, extinction ratio 2−20893
AlGaAs window stripe laser, optimum design conditions 2−6207
AlGaAs/GaAs, semiconductor laser amplifiers *(Japanese)* 2−20898
AlGaAs-GaAs laser with external dispersive resonator, bistable operation and spectral tuning 2−20938
AlGaAs-GaAs lasers, MO-CVD grown, review 2−6217
$Al_xGa_{1-x}As$ buried heterostruct. laser, single mode operation by loss stabilisation 2−6210
$Al_xGa_{1-x}As$ DH laser, deep level luminesc., spatial distrib. 2−1966
$Al_xGa_{1-x}As$ modified multiquantum well heterostructure lasers, MBE grown, extremely low threshold operation 2−10283
$Al_xGa_{1-x}As$-AlAs-GaAs quantum well heterostruct., size fluctuations and laser operation 2−15509
$Al_xGa_{1-x}As$-GaAs, V shaped DH laser, metalorganic CVD growth and properties 2−10291
$Al_xGa_{1-x}As$-GaAs quantum-well heterostruct. lasers, MBE growth, clustering and phonon effects 2−6227
$Al_xGa_{1-x}As$-GaAs quantum-well heterostructure laser, transient and noise characts. 2−6233
$Al_xGa_{1-x}As$-GaAs quantum-well heterostruct. lasers, MBE grown, alloy clustering, photoluminesc. study 2−25792
AlGaAsSb/GaInAsSb/GaSb laser, light confinement and divergence 2−25826
AlGaAsSb/GaSb laser, light confinement and divergence 2−25826
$Al_{0.48}In_{0.52}As_{0.52}As/Ga_{0.47}In_{0.53}As/Al_{0.48}In_{0.52}As$ DH laser, MBE g- rown 2−6216
GaAlAs bistable CW injection heterolaser 2−20902
GaAlAs channel-substrate-planar lasers with elevated facet reflectivities, operating characts. 2−1937
GaAlAs, channeled substrate planar and V-groove lasers, microwave-induced oscillations 2−6221
GaAlAs DH diode laser wavefront meas. and anal. 2−15532
GaAlAs DH injection laser, coherent reception, multimode effects 2−26856
GaAlAs DH laser, strain related degradation phenomena, SEM cathodoluminescence and induced current study 2−20910
GaAlAs DH laser diode, optical source for fibre-optical digital communication 2−6841
GaAlAs DH low-threshold strip geometry laser by metal organic CVD 2−1942
GaAlAs DH shallow proton stripe laser grown by metalorganic CVD, current threshold uniformity 2−25770
(GaAl)As injection laser linewidth measurements, CW longit. mode struct. 2−6234
(GaAl)As injection lasers, mode locking study 2−10290
GaAlAs laser, spectrum-narrowing ratio determ. by optical feedback 2−20888
GaAlAs laser frequency stabilisation using automatic freq. control system 2−6226
GaAlAs lasers, second-harmonic generation, use of $KNbO_3$ waveguides 2−15548
(GaAl)As single-mode injection laser, power-depend. linewidth meas. 2−6235
GaAlAs single-mode laser, dynamic wavelength tuning 2−6236
GaAlAs/GaAs, DH single-mode injection lasers for optical fibre communication 2−10399
GaAlAs-GaAs DH lasers, low threshold narrow stripe, controlled Zn diffusion 2−6213
GaAlAs-GaAs oxide stripe laser, low degradation rate, high performance 2−1953
$Ga_{0.68}Al_{0.32}As$:Te(Zn) laser pumped by electron beam, cathodolum. and threshold current density, doping influence 2−6229
$Ga_{0.7}Al_{0.3}As$-GaAs heterostructure laser, electron-beam-pumped, operating at low accel. voltages 2−20906
$Ga_{1-x}Al_xAs$ DH laser, threshold current temp. depend., 0.74 to 0.9 μm 2−6211
$Ga_{1-x}Al_xAs$, double-sided heterostructure laser, spectral and temporal characts. 2−1957
$Ga_{1-x}Al_xAs$ electron-beam-pumped laser, oxide film influence on threshold current density 2−20943
$Ga_{1-x}Al_xAs$ injection laser, second-harmonic generation by $KNbO_3$ crystal 2−10349
$Ga_{1-x}Al_xAs$ injection light source radiation, electron-beam control 2−20905
$Ga_{1-x}Al_xAs/Ga_{1-y}Al_yAs$ DH lasers, facet degradations 2−25790
$Ga_{1-x}Al_xAs$-GaAs heterojunction lasers, accelerated life tests, temp. interval optimisation 2−25800
$Ga_{1-x}Al_xAs$-GaAs heterojunction lasers, reliability forecasting 2−25801
GaAs buried optical guide laser, passively mode-locked, subpicosecond pulses 2−1941
GaAs DFB laser, optically pumped, with variable grating period, mode selectivity and threshold - gain 2−6224
GaAs injection amplifier, dynamic characts. 2−20904
GaAs integrated DFB oscillator-amplifier system 2−1959
GaAs laser, actively mode locked, subpicosecond pulse generation in external ring cavity 2−15517
GaAs laser, broadening ratio calc. from multimode oscillation threshold 2−15427
GaAs laser, dye-in-polymer films for ablative optical recording 2−20609
GaAs lasers, longitudinal mode control using three mirror active passive cavity 2−10306
GaAs single-mode DH lasers using three-mirror active-passive cavity, longit.-mode control 2−10304
GaAs/AlGaAs TJS lasers, gain suppression 2−6205
GaAs/GaAlAs injection lasers, grown by MOCVD 2−6231
GaAs/GaAlAs lasers, MO-CVD grown, props. as function of stripewidth 2−20895
p-GaAs/P-$Ga_{1-x}Al_xAs$ isotype heterojunction in DH laser materials 2−25049
GaAs-$Al_xGa_{1-x}As$ DH laser, basic props. 2−6222
GaAs-AlGaAs DH injection laser, active layer radiative processes in strong mag. field 2−25796
GaAs-AlGaAs DH laser with p-type active layer, operation in mag. field 2−6209
GaAs-AlGaAs DH system, monolithic integration of optical sources and detectors, processing tech-niques 2−6035
GaAs-$Ga_{1-x}Al_xAs$ channel injection heterojunction laser characts. 2−6228

semiconductor junction lasers continued
GaAs-$Ga_{1-x}Al_xAs$ multilayer epitaxial heterocomps., elec. active defects, combined SEM and TEM obs. 2−24959
GaAs-$Ga_{1-x}Al_xAs$ stripe geometry DH laser, threshold current, self consistent calc. 2−25793
GaAs-$Ga_{1-x}Al_xAs$ V-groove lasers for fibre-optic communications 2−6845
GaAs-$Ga_xAl_{1-x}As$, semiconductor laser, rate of ageing 2−1958
GaAs-GaAlAs, DH laser grown by metalorganic CVD process 2−1965
GaAs-GaAlAs DH lasers, nonradiative lifetime and leakage losses 2−6214
GaAs-GaAlAs diode laser, multiple segment stripe contact, effect of non-uniform current 2−1963
GaAs-GaAlAs injection lasers, state of the art, operating parameters and limitations rel. to ap- pls. 2−6223
GaAs-GaAlAs integrated optical devices fabricated by MBE and metal-organic CVD 2−25541
GaAs-GaAlAs stripe laser, proton-isolated, with tilted facet reflectors 2−15512
GaInAsP buried crescent laser emitting at 1.52 μm, dispersion effects 2−25781
GaInAsP laser diode freq. doubling in $LiNbO_3$:Ti waveguide, coherent green radiation source 2−6262
GaInAsP/InP DH lasers, optical gain spectra, temp. depend. 2−1938
GaInAsP/InP integrated twin-guide lasers for single-mode operation, fabrication techniques 2−6048
GaInAsP/InP surface emitting injection laser with buried heterostructures 2−10293
GaInAsP-InP BH distributed-Bragg-reflector integrated-twin-guide lasers, 1.58 μm wavelength 2−20879
GaInAsP-InP BH distributed Bragg reflector integrated-twin-guide laser emitted at 1.5 to 1.6 μm 2−20885
GaInAsP-InP DFB buried heterostruct. lasers, CW operation in 1.5 μm wavelength region 2−20891
GaInAsP-InP DH CW operated laser diodes, current dependence of temp. rise 2−20883
GaInAsP-InP DH laser material, nonradiative regions correlation with dislocation clusters 2−20887
GaInAsP-InP DH diode lasers emitting at 1.5 μm grown by LP-MO CVD 2−25782
GaInAsP-InP injection laser, fabrication and output characteristics 2−1944
GaInAsP-InP laser transmitter module, external cavity controlled single longitudinal mode 2−15506
GaInAsP-InP layers, long wavelength, temp. depend. photolum., surface recomb. vel. 2−1967
GaInAsP-InP mode-controlled long wavelength lasers, BH, MSB and TS types 2−6225
$Ga_xIn_{1-x}As_yP_{1-y}$/InP terraced substrate single-mode laser 2−10289
$Ga_xIn_{1-x}As_yP_{1-y}$/InP stripe lasers with chemically etched-mirrors, review 2−25785
$Ga_xIn_{1-x}As_yP_{1-y}$-InP laser, 1.3 μm, index-guiding struct. grown on terraced substrate 2−1964
InGaAs-InP BH lasers, with LPE burying layers, CW operation at 1.65 μm 2−25779
InGaAsP DH layers, laser characts., nonradiative recomb. effect 2−20901
InGaAsP diode to single-mode fibre efficient coupling using two lens combination in confocal condition 2−9993
InGaAsP high T_0 low threshold crescent-shape mesa substrate buried heterostruct. laser fabrication 2−25784
InGaAsP inverted rib-wavelength lasers, fabrication and operation characteristics 2−15505
InGaAsP long-wavelength laser devices, recent developments 2−10301
InGaAsP low threshold DH lasers double clad with InGaAsP confining layers 2−20881
InGaAsP modulated single-longit. mode semicond. laser and fibre transmission characts. at 1.55 μm 2−10331
InGaAsP ridge waveguide laser performance at 1.3 μm 2−10302
InGaAsP short cavity single-mode 1.3 μm lasers with evaporated high-reflectivity mirrors 2−20882
InGaAsP/InP 1.3 μ laser material, meltback and pullover as causes of LPE growth disturbances 2−24285
InGaAsP/InP diode, 1.5 μm wavelength laser light emission, detection by IR excitable phosphors 2−10128
InGaAsP/InP Z 2−10399
InGaAsP/InP:Cd DH lasers, LPE growth 2−8802
InGaAsP-InP buried heterostructure lasers, fabrication and application to fault location measurement 2−1943
InGaAsP-InP buried DH lasers with chemically etched mirrors 2−10292
InGaAsP-InP CW lasers, low-threshold-current, distributed feedback 2−25778
InGaAsP-InP DH laser, elec., threshold and temp. characts. analysis 2−1949
InGaAsP-InP DH laser Gbit/sec pulse generation, gating with $LiNbO_3$ waveguide modulator 2−6230
InGaAsP-InP DH laser, degradation obs. by electron probe microanal. 2−25769
InGaAsP-InP DH laser, degraded, lattice defect struct., SEM and TEM study 2−25772
InGaAsP-InP DH lasers, gain meas. in 1.3 μm 2−25787
InGaAsP-InP diode lasers, intrinsic saturable absorption anal. 2−2002
InGaAsP-InP distributed-feedback BH lasers emitting at 1.57 μm, room-temp. CW operation 2−20884
InGaAsP-InP dual wavelength lasers emitting at 1.2 μm and 1.3 μm wavelengths 2−20889
InGaAsP-InP dual wavelength transverse junction stripe lasers emitting at 1.17 μm and 1.3 μm 2−20890
InGaAsP-InP laser, current injection induced acoustic signals 2−1952
InGaAsP-InP laser, Sn doping of active region 2−25140
InGaAsP-InP plano-convex waveguide 1.3 μm laser, transverse mode stabilisation 2−1946
InGaAsP-InP planar buried heterostruct. laser diode with low threshold current fabrication byLPE technique 2−20886
$In_{1-x}Ga_xAs_{1-y}P_y$ laser and LED reliability for fibre-optic communications 2−2811
$In_{1-x}Ga_xAs_{1-y}P_y$-InP buried-crescent laser diode 1.3 μm fundamental transverse mode and life test 2−1968
$In_{1-x}Ga_xAs_yP_{1-y}$ ultrashort cavity lasers, optically pumped, picosec. operation, 0.83-1.59 μm 2−10297
InGaPAs DH diode laser on GaAs substrate, fabrication and visible light emission 2−10294

semiconductor junction lasers continued
InP-$In_{1-x}Ga_xAs_{1-y}P_y$ V-groove lasers for fibre-optic communications 2−6845
InP-InGaAsP, DH laser wafer, LPE growth and struct. 2−25791
InP-InGaAsP DH lasers, bistable operation by optical injection 2−15504
Pb-salt, specific gas density, meas. appl. 2−12081
$Pb_{1-x}Ge_xTe$ injection laser fabrication 2−10299
$Pb_{1-x}Sn_xSe$ DH laser, CW operation at 80K 2−1961
PbSnSeTe-PbSeTe DH laser, lattice matched, low threshold 2−20897
PbSnTe buried heterostructure lasers, longitudinal mode behaviour 2−15503
$Pb_{1-x}Sn_xTe$ (x=0.18-0.24) laser diodes prepared by diffusion of Sb 2−1960
$Pb_{1-x}Sn_xTe$ diode lasers, tunnelling-determined threshold current 2−1939
$Pb_{1-x}Sn_xTe$:Bi-p-$Pb_{1-x}Sn_xTe$-p-PbTe, lasing heterostructures 2−6099
T 2−20880

semiconductor junctions
see also p-n junctions; semiconductor superlattices
abrupt heterojunctions in equilibrium, anal. 2−20126
amorphous semiconductors, electronic props., appl. to solar photovoltaic cells *(Dutch)* 2−5581
capacitance-voltage meas. techniques 2−25059
charge measurement of interface in homogeneous and heterogeneous junctions 2−25048
heterojunction electrode characterisation 2−14680
injection structures, high activation energies, heating effects on V-I characts. *(Russian)* 2−1222
interface physics, conf., Williamsburg, VA, USA (Jan. 1981) 2−4566
layer structures, high-freq. characts. 2−9488
many-layered heterostruct., hot electron vel. correl. and diffusion 2−25058
n^+-n junction, carrier exclusion for low impurity carrier conc. 2−25057
n-n^+ junctions, characteristics analysis *(Croatian)* 2−9729
parameters characterisation using two-wavelength laser scanner 2−10405
photodiode with nonideal heterojunction 2−20750
CdS film, n-n junction system 2−5551
Cu_xS/CdS solar cells, characterisation by photocapacitance IR quenching 2−12863
GaAs (110)-Ge, interface form., surface reconstruction 2−25051
GaAs:Cr n^+-n-n^+ diode struct., magnetosensitivity, effect of strong carrier accumulation 2−25193
p-GaAs/P-$Ga_{1-x}Al_xAs$ isotype heterojunction in DH laser materials 2−25049
GaAs-$Al_xGa_{1-x}As$ diode struct. elec. charact., gamma radiation effect 2−25200
GaAs-n-AlGaAs heterostructure, MBE gram. effect of annealing on elec. props. 2−14679
$Ga_{1-x}In_xAs$ graded band gap layers, ohmic contacts to n-GaAs grown by MBE 2−5613
$Ga_xIn_{1-x}P$-GaAs MBE DH, interface recombination vel. and misfit strain, photoluminescence study 2−9480
GaSb-AlSb-InAs polytype superlatticesand multi-heterojunction characts. 2−1218
Ge n^+-n junction, carrier exclusion for low impurity carrier conc. 2−25057
Ge-GaAs n-n heterojunction, electron transport 2−5603
Ge_xSi_{100-x} amorphous layers, heterostruct. fabrication by solid phase growth 2−5006
$Hg_3In_2Te_6$-SnS_2 n-n heterojunction formed by optical contact, characts. 2−1226
InAlAs-InGaAs interface, MBE, channelling anal. 2−5610
n-$In_{0.53}Ga_{0.47}As$/n-InP heterobarrier diodes characts. 2−10148
In_2O_3-SnO_2/Si photovoltaic junction, current-voltage characts. 2−5597
InSb-PbTe struct., epitaxial growth by laser evaporation, pulsed heating of substrate effect 2−24304
Si (111)-Ge, interface form., surface reconstruction 2−25051
Si, amorphous/crystalline junctions 2−1220
a-Si, interface junction props. 2−25067
Si:Au n-n^+ diode struct., magnetosensitivity, effect of strong carrier accumulation 2−25193
Si:H/SiC:H amorphous solar cell 2−24997

semiconductor materials
see also amorphous semiconductors; degenerate semiconductors; elemental semiconductors; heavily doped semiconductors; II-VI semiconductors; III-V semiconductors; III-VI semiconductors; IV-VI semiconductors; liquid semiconductors; magnetic semiconductors; many-valley semiconductors; narrow band gap semiconductors; organic semiconductors; polar semiconductors; semiconductors; ternary semiconductors
II-V compounds, conf., Mogilany, Poland (Sept. 1980) 2−13161
II-V compounds, physical and chemical props., and applications 2−14670
$In_{2-x}Sn_xO_3$-Si solar cell, fabrication and series resist. effects anal. 2−8005
information service, EMIS, computer-based online system for publishing and retrieving materials data 2−8
ion implantation in microelectronics, bibliography 2−23878
optical characterisation techniques, conf., San Jose, USA (Apr. 1981) 2−8136
Al-n-SiC, Schottky diode, elec. props. *(Russian)* 2−25201
As_2S_3 film for holographic recording, three-layer *(Russian)* 2−10370
As_2Se_3 film for holographic recording, three-layer *(Russian)* 2−10370
$B_{13}C_2$, electronic struct. and semicond. behaviour 2−25035
$B_{12}GeO_{20}$, wide-gap semicond., free carrier exclusion in current-voltage characts. 2−20117
Cd_3As_2, amorphous and cryst., thin films, prep., struct., elec. and optical props. 2−13848
CdF_2:Ho^{3+}, semiconductor, growth, IR spectra and elec. cond. 2−8795
CdF_2:Ho^{3+}-Au LED, electrolum. 2−25641
CdP_2, photosensitivity anisotropy, 1.3 to 4 eV at 300K 2−25584
CdP_2-metal diode structs., contact parameters, current transfer mechanisms 2−14700
CdP_2-metal Schottky diodes, band struct., wavelength modulated photocond. and photoresponse meas. 2−15393
Cd_3P_2, stimulated emission 2−10279
CdP_22, amorphous and cryst., thin films, prep., struct., elec. and optical props. 2−13848
$Cd_xPb_{1-x}S$ (x=0.0625, 0.15625) superstructural thin film, props. 2−9478
p-CdSb, undoped, photoelec. props. 2−25585
Cu_2-S-CdS backwall solar cells, sprayed ITO layers characts. determ. for cell efficiency optimisation 2−18511

semiconductor materials continued
Cu_2O Schottky-barrier solar cells, minority carrier diffusion length meas. for Cu-Cu_2O functions 2−23611
Cu_2S/CdS solar cells, transient photovoltaic effect 2−28121
Cu_2S/CdS solar cells prepared by organometallic chemical vapor deposition: preliminary stage 2−23587
$Cu_2S/Zn_xCd_{1-x}S$ heterojunction solar cells formed on sprayed $Zn_xCd_{1-x}S$ films, properties 2−18514
Cu_2S-CdS dry process solar cells, CdS carrier concentration influence on cell props. 2−18512
Cu_2S-ZnCdS thin film solar cells, cross diffusion of Cd and Zn 2−23545
$Cu_{2-x}S$-CdS frontwall thin film solar cells, influence of performance of surface props. of $Cu_{2-x}S$ 2−18509
$Cu_{2-x}S$-ZnS heterostruct., electroluminescence 2−10164
Cu_xS thin film deposition, flash evaporation technique, morphological and optical investigations 2−19454
Cu_xS/CdS solar cells, characterisation by photocapacitance IR quenching 2−12863
n-$FeB_{29.5}$, prep., electronic transport props., cryst. struct. 2−20113
$Fe_{1-x}Cr_xNbO_4$, prep., cryst. struct., mag. and electronic props. 2−15381
α-Fe_2O_3 electrode, photovoltage response to temp. change 2−25567
α-Fe_2O_3:Ge^{4+}(Pb^{4+})(Sn^{4+}) electrodes, photoactivity, doping effect 2−15377
$(GaSb)_{1-x}Ge_x$ films, single cryst. metastable, growth, thermal stability and characteristics 2−13832
Ga_2Se_3 thin films in MS'IS structure, elec. props., localised states influence 2−14740
Ga_2Te_3 thin films, prep. and elec. props. 2−5592
Ge_xC_{1-x} CVD coating, struct. and optical props. 2−25037
$Hg_3In_2Te_6$-SnS_2 n-n heterojunction formed by optical contact, charact. 2−1226
$Hg_{1-x}Mn_xTe$, longitudinal magnetoresist. in quantising mag. field 2−5596
In_2O_3 film, conductivity modulation by O_2 press. variation 2−5572
In_2O_3 films, evaporation from In_2O_3/In source, chemical and elec. props. 2−8832
n-In_2O_3-electrolyte system, photoelectrochemical props. 2−5645
In_2O_3-SnO_2/Si photovoltaic junction, current-voltage charact. 2−5597
In_2O_3(-SnO_2) film, transparent conducting, transport and optical props. 2−5597
$In_{2-x}Sn_xO_3$ film, DC magnetron sputter deposition 2−24333
$In_{2-x}Sn_xO_3$ film, degradation in glow-discharge plasma 2−13842
$In_{2-x}Sn_xO_{3-y}$ films, sputter deposited, elec. and optical props., heat treatment effects 2−14660
$In_{2-x}Sn_xO_{3-y}$ sprayed films, rel. to efficiency optimisation of Cu_2S-CdS backwall solar cells 2−18511
In_2Te_3, single crystals, switching effect 2−9477
Mn-Zn ferrospinels, elec. cond., comp. depend. 2−1199
MnO_2, variation of cond. with Li insertion 2−7979
MnTe, thermoelec. hole spectrum model of transport props. 2−14667
MoS_2/I^--I_2/C electrochemical solar cell, performance 2−18473
MoS_2(Se_2) photoelectrodes, role of electron hole recomb. 2−14666
$MoSe_2$, photoanodes, photoelectrochemical cells, energy storage 2−12764
p-$Ni_{0.98}Li_{0.02}O$ as photoelectrolysis cathode, flatband pot. and band gap 2−20715
p-$Pb_{1-x}Cd_xTe$ epitaxial film, elec. transport props. 2−5590
Si-Ge alloys, Si rich, for IR detectors, elec. and optical meas. 2−10117
Si-Ge alloys for IR detection, Czochralski growth and crucible-free process prep. 2−8797
SiC epitaxial growth, sublimation sandwich method, mass transport, Si excess effect 2−13830
SiC, impurity photosensitivity, recomb. centres 2−20720
SiC layer epitaxial growth by sublimation sandwich method, struct. defects 2−19406
SiC:Al^+ implanted epitaxial diodes, cathodoluminescence charact. 2−10173
α-SiC:Al^+ LED, electroluminesc. spectra fine struct. 2−25644
SiC:B(Si)(Se), ion implanted, stoichiometric disturbances 2−1294
$Si_{1-x}Ge_x$ solid soln., hole Hall mobility 2−25044
Si_xGe_{1-x}:H alloy amorphous films, optical and elec. props., solar cell appls. 2−23565
SiO_2, electron traps, processing parameters influence 2−9249
SnO_2 electrode, sensitisation with crystal violet 2−1782
SnO_2 films, pulsed laser evaporated 2−19438
n-SnO_2, semiconducting electrodes, sensitisation by Ru-based dyes 2−12766
SnO_2:F conductive transparent thin films, charact. for solar cells appl. 2−18493
SnO_2:Sb film, prep. by activated reactive evaporation 2−24334
SnO_x:Sb film, platinized, prep., surface composition and electronic struct. 2−24314
SnO_2(-In_2O_3) film, transparent conducting, transport and optical props. 2−5597
n-$SrTiO_3$, semiconducting electrodes, anodic/cathodic photocurrent transition meas. 2−10110
n-$SrTiO_3$, semiconducting electrodes, sensitisation by Ru-based dyes 2−12766
TiO_2 anodes, photocurrent spectroscopy 2−10111
TiO_2 electrode, photovoltage response to temp. change 2−25567
n-TiO_2 electrodes, flatband pot. depend. on electrolytes and electrolyte conc. 2−14738
n-TiO_2, semiconducting electrodes, anodic/cathodic photocurrent transition meas. 2−10110
n-TiO_2, semiconducting electrodes, sensitisation by Ru-based dyes 2−12766
TiO_2 semiconducting thin film photoelectrodes for photoelectrochemical cells 2−18406
n-TiO_2, semiconductor electrodes, laser induced photoelectrochemistry 2−12762
TiO_2-electrolyte interface, surface states obs. 2−20159
TiO_2-Pd diode, H sensitivity, substrate effect 2−9618
$TlBiSe_2$-PbSe, phase diagram, electrophysical props. 2−5585
V_2O_5, inhomogeneous, elec. cond. and permittivity near percolation threshold 2−5574
V_2O_5-Si, photovoltaic cell, preparation techniques effect on oxide conductivity and open circuit voltage 2−8009
WO_3 electrode, photovoltage response to temp. change 2−25567
n-WSe_2, semiconductor electrodes in photoelectrochemical cells, surface state role 2−12761
n-WSe_2, semiconductor photoanode, photoelectrochemical cell efficiency 2−12765

semiconductor materials continued
$ZnAs_2$-metal diode structs., contact parameters, current transfer mechanisms 2−14700
Zn_3As_2, amorphous and cryst., thin films, prep., struct., elec. and optical props. 2−13848
ZnP_2, amorphous and cryst., thin films, prep., struct., elec. and optical props. 2−13848
β-ZnP_2, monoclinic, anisotropy of electroconductivity and thermoelectromotive force 2−14671
ZnP_2-metal diode structs., contact parameters, current transfer mechanisms 2−14700
ZnP_2-metal Schottky diodes, band struct., wavelength modulated photocond. and photoresponse meas. 2−15393
Zn_3P_2, amorphous and cryst., thin films, prep., struct., elec. and optical props. 2−13848
Zn_3P_2 film, quasi-rheotaxial growth 2−8836
Zn_3P_2, single cryst. growth 2−4981
Zn_3P_2, single-crystal growth using closed-tube horizontal vapour transport system, bulk elec. props. 2−19403
p-Zn_3P_2 thin-film solar cells, expt. results and anal. 2−23614
Zn_3P_2-Au(In) Schottky barrier solar cells, photo-voltage spectral response 2−18544
Zn_3P_2-metal contact, photoeffects, solar energy convertor appl. 2−14691
Zn_3P_2-metal Schottky diodes, band struct., wavelength modulated photocond. and photoresponse meas. 2−15393
Zn_3P_2-Mg, p-n junction form., carrier diffusion lengths, collection efficiency spectral response, EBIC meas. 2−14690
Zn_3P_2-Mg solar cells, interface reactions 2−23595
Zn_3P_2-Mg solar cells, interface reactions 2−23608
p-ZnSb, carrier kinetics in mixed scatt. region, cond., thermoelec. power, and Hall effect tensors 2−9475

semiconductor-metal boundaries
see also Schottky-barrier diodes
barrier heights, automatic meas. during thermal treatments 2−20135
chalcogenide glass-metal interface, high speed transient effects 2−24999
contact injection phenomena, nonmodel theory and appls. 2−9502
copper phthalocyanine-metal junction Schottky barrier, photovoltaic effect 2−14695
diffusion barriers in layered contact structures 2−5707
electroluminescence, high field, spatial distrib. of excited luminesc. centres 2−6110
field effect in crit. thickness layers, electrostatic charact. 2−25086
merocyanine dye, solid-state Schottky barrier and liquid junction cells, photovoltaic props. 2−10140
metal-chalcogenide amorphous semicond. system, elec. contact props. 2−1230
metal-p-n Schottky structure anal., inversion layer effects 2−25074
metallisation of semiconductor devices, conf., Murray Hill, NJ, USA (June 1981) 2−5778
review 2−20134
Schottky barrier diodes, barrier height optimisation *(Russian)* 2−14833
Schottky barrier height 2−14694
Schottky barrier junction, energy distrib. of surface states 2−5625
Schottky barriers, work function model 2−20132
silicide contacts to Si, shallow and parallel 2−5632
surface potential barrier effect on surface recombination velocity 2−5626
V-I characteristics, generation-recombination in space charge region, diffusion theory *(Russian)* 2−1234
Al/n-Si, small area laser beam annealing, subsurface alloying and deep Al penetration 2−1232
Al/Si (111) cleaved interface, photoemission, Auger electron yield, and AES study 2−1235
Al-a-Si:H, Schottky diodes, barrier height enhancement upon heat treatment 2−5729
Al-CdS(Se), electronic barrier charact., time-resolved charge injection 2−5629
Al-n-SiC, Schottky diode, elec. props. *(Russian)* 2−25201
Al-Si Schottky diodes, nonuniform, elec. behaviour, two-dimensional model 2−5726
Al-Si(poly-Si) contacts, temp. treatment 2−20215
Au/Ni/SnNi/n-GaAs interface, ohmic contact form. 2−25070
Au-CdS Schottky barrier solar cell, Ta_2O_5 antireflection coating 2−18475
Au-InP Schottky diode, elec. charact. 2−14829
Au-n-$Ga_{1-x}Al_xP$ surface barrier struct., photoelectric effect 2−15412
Au-n-GaAs Schottky barrier diodes, ion beam damage during low energy cleaning 2−24968
CdP_2-metal diode structs., contact parameters, current transfer mechanisms 2−14700
CdS-metal interface, reactive interdiffusion and electronic barriers, reactive interlayer control of Schottky barrier height, photoemission study 2−20136
Ga-Si (111) interface, Schottky barrier formation 2−25071
GaAlAs substrate, Au-Sn-Al metallisations, interfacial struct. study 2−5705
$Ga_{1-x}Al_xP$ variable-gap surface barrier UV photodetectors 2−26855
GaAs (110), models of column III and V element overlayers, appl. to MBE 2−5000
GaAs (110)-Al interface, initial stage of formation 2−5614
GaAs (110)-In, interface form., surface reconstruction 2−25051
GaAs, Au-Ge laser-annealed ohmic contacts, microstruct. and resistivity 2−14698
GaAs metallisation, problems and trends 2−1324
GaAs ohmic contacts fabrication and props., AuGe-based 2−5708
GaAs surface, thin native oxide covered, interfacial chemical reactivity of metal contacts 2−5630
GaAs:Cr in metal-semicond.-metal structures I-V charact. *(Slovak)* 2−20075
GaAs/Au-Ge ohmic contacts, laser annealed, resistivity and SIMS profile 2−14697
GaAs/AuGeIn Gunn diode ohmic contacts, microstructure, correl. with device performance 2−25076
GaAs-$Al_xGa_{1-x}As$ diode struct. elec. charact., gamma radiation effect 2−25200
n-GaAs-Au Schottky barrier height increase, Fermi energy pinning behaviour 2−5623
GaAs-AuGe/Pt pulsed electron beam alloyed ohmic contacts, reliability 2−1229
GaAs-metal contact interface, metallurgical and elec. props., heat treatment effects *(Chinese)* 2−14692

semiconductor-metal boundaries continued
GaAs-metal ohmic contacts, microstructure, correl. with elec. characts., electron microscopy obs. 2−20139
GaAs-metal-semiconductor FET, transient radiation study 2−14869
GaAs-Sn layers, laser annealed, interface struct. and diffusion 2−14699
p-GaP/Au-Zn contact system, out-diffusion process, barrier metals effect 2−25069
GaP-Au surface barrier structs., elec. breakdown mechanisms 2−9501
GaSe, diodes, Schottky barrier study, photo-EMF 2−9622
Ga_2Se_3 thin films in MS'IS structure, elec. props., localised states influence 2−14740
Gd-Pt/Si Schottky contacts, struct. and elec. props. 2−14696
Gd-V/Si Schottky contacts, struct. and elec. props. 2−14696
Ge counters, laser-doped Li contacts 2−11797
In-phthalocyanine, metal free x-phase, solar cell, low freq. photocapacitance 2−18474
InGaAsP, ohmic contacts, low specific contact resistance, metallisation 2−1237
InP, ohmic contacts, low specific contact resistance, metallisation 2−1237
InP/Ag Gunn diode ohmic contacts, microstructure, correl. with device performance 2−25076
InP-AuZn ohmic contacts, contact resist. meas. 2−5612
InP-metal interfaces, atomic and electronic struct., XPS and elec. meas. 2−5631
InP-metal ohmic contacts, microstructure, correl. with elec. characts., electron microscopy obs. 2−20139
n-InP-Sn-Au alloyed ohmic contact formation, contact resistance depend. on annealing temp. 2−5633
n-InSb-metal contacts, asymmetric current effects of 1/f noise with appl. mag. field 2−5624
$LiNbO_3$-CdSe-metal multilayer struct., convolution signal storage 2−25417
Mo-Si contacts, P ion implantation effects 2−5628
Ni-n-Si, Schottky barrier diodes, temp. anomalies 2−9623
Pd-GaAs Schottky diodes, current-voltage and capacitance-voltage characts., electron irrad. effects 2−9500
Sb-Si (111) interface, Schottky barrier formation 2−25071
Si (111)-In, interface form., surface reconstruction 2−25051
Si counters, laser-doped Li contacts 2−11797
n-Si, electroless Ni plating, appl. to solar cells 2−24312
a-Si Schottky barrier solar cells, localised states and photocond. 2−4344
Si Schottky barriers, image force effects on short wavelength photoresponse 2−3161
Si:H amorphous, interface with noble metals, struct. and elec. props. 2−20137
Si:H amorphous solar cell, carrier collection, image force effects 2−4336
n^+-Si/Al solder, ohmic contact, invest. of form. *(Japanese)* 2−1231
Si-Al-(111)Si structures, redistrib. of Si at low annealing temps 2−5627
Si-Au Schottky devices, fabrication 2−595
Si-Fe contacts, barrier height meas. 2−1233
Si-Ni(Pd)(Pt), Schottky barrier heights and silicide formation 2−9499
Si-Pd Schottky barrier solar cell, characts. 2−18471
Si-Pt Schottky barrier structs., reactively sputtered amorphous, effect of H on diode props. 2−9610
Si+H, amorphous, transient photocond. and Schottky barrier profile determ. 2−25573
$ZnAs_2$-metal diode structs., contact parameters, current transfer mechanisms 2−14700
ZnP_2-metal diode structs., contact parameters, current transfer mechanisms 2−14700
Zn_3P_2-Au(In) Schottky barrier solar cells, photo-voltage spectral response 2−18544
Zn_3P_2-metal contact, photoeffects, solar energy convertor appl. 2−14691
Zn_3P_2-Mg, p-n junction form., carrier diffusion lengths, collection efficiency spectral response, EBIC meas. 2−14690
Zn_3P_2-Mg solar cells, interface reactions 2−23595
Zn_3P_2-Mg solar cells, interface reactions 2−23608
ZnS:Mn-Al contact as part of multilayer electrolum. element, elec. props. 2−20138
ZnSe:Al, formation of low resist. In contacts 2−14693

semiconductor-metal transition *see electrical conductivity transitions; metal-insulator transition*

semiconductor processing *see semiconductor technology*

semiconductor relays
see also semiconductor switches
closing and opening acceleration circuit *(Italian)* 2−9266
graphical design/ of input filter/ for solid state AC relay/ 2−996
hybrid/thickfilm construction, advantages over conventional PCB for SSR and I/O convertors 2−9333
new solid-state protection system for power station auxiliaries 2−7575
operating life and cost effectivness comparison with EM relays 2−14343
Siemens solid state relay type V23100-S0232-B302, characts. 2−997
solid state relay, using optically coupled inputs, triac coupled output 2−9267
solid state relays, EMI induced false operation 2−24768
solid state relays, used for industrial computer control 2−24760
solid-state relays, developments due to autocouplers and power semiconductors 2−14344
subminiature, interface circuits electronic integration *(Spanish)* 2−995
thermal design information for use in design, manuf. and appl. of solid-state relays 2−5411

semiconductor storage
see also integrated memory circuits; PROM
64K single board TM20000 and TMM40010 dynamic RAMS 2−24542
amorphous semiconductor memory mechanisms, exptl. study 2−5716
automatic testing of high-speed digital equipment *(Hungarian)* 2−26736
development and trends in memory technology 2−1590
digital memories operating principles and appl. *(Italian)* 2−5214
high speed bipolar, automatic testing problems 2−24512
IGFET memory devices with electric unipolar recording of data *(Russian)* 2−14877
memory address space expansion accessing sequential memory locations 2−5226
MNOS memory cell, degradation, Su_3N_4 cond. increase mech. 2−14884
MNOS memory element, conductivity activation energy change, mechanism 2−1206
MNOS memory element structures, degradation phenomena, mechanism 2−9664
MNOS structure, memory-window size temp. depend. 2−14726

semiconductor storage continued
MNOS transistor, memory retention, high temp. H_2 annealing effect 2−1379
multiple display devices with different size screens, refresh, bulk storage programmable address config. 2−7033
permanent memory devices for psychological examination apparatus *(Bulgarian)* 2−5711
piezoelectric-semiconductor struct., acoustoelec. memory, capture centres characterisation 2−15088
tunnel insulator-semiconductor interface appl. 2−25097
Ge_3N_4-GaAs MIS devices, elec. characts. and memory behaviour 2−25091
Si-chalcogenide glass film magnetodiode, magnetosensitive memory effect 2−14837
Si-SiO_2 interface in MOS structs., memory effects caused by irrad. *(Russian)* 2−14723

semiconductor storage devices *see semiconductor storage*

semiconductor storage systems *see semiconductor storage*

semiconductor superlattices
conference, Hakone, Japan (Sept. 1980) 2−13151
electron drag by solitons 2−5620
electronic properties, growth and struct. 2−1221
flat-band semicond. heterostructures, electronic props. 2−1219
hot electron and phonon effects in layered semicond. struct. and heterostruct. 2−14675
III-V semiconductor superlattices MBE growth *(French)* 2−14637
lateral transport in superlattices 2−25056
MBE, review of European developments, 1979-80 2−8814
semiconductors at IBM: physics, novel devices, and materials science, review 2−20054
AlAs-$Al_xGa_{1-x}As$-GaAs superlattices, absorpt., stimulated emission and clustering 2−25050
$Al_xGa_{1-x}As$-AlAs-GaAs quantum well heterostruct., size fluctuations and laser operation 2−15509
$Al_xGa_{1-x}As$-GaAs heterostructure, modulation doped, MBE grown, electron mobility study 2−5604
GaAs periodic doping structures grown by MBE, space charge field of impurities, cond. modulation 2−5621
GaAs-$Al_xGa_{1-x}As$, energy levels and cond. in appl. mag. field 2−5605
GaAs-$Al_xGa_{1-x}As$ superlattice, mag. quantisation and transport 2−14689
GaAs-$Ga_xAl_{1-x}As$ DH and multiple quantum well superlattices, luminesc. props. and struct. 2−25589
GaAs-n-AlGaAs heterostructure grown by MBE, growth temp. effect on two-dimens. electron gas mobility 2−5606
GaSb-AlSb-InAs polytype superlatticesand multi-heterojunction characts. 2−1218
Ge-GaAs superlattices, MBE growth 2−5001
InAs-GaSb superlattices in high magnetic fields, band struct., elec. and optical props. 2−14688

semiconductor switches
see also semiconductor relays
30/20 GHz satellite-switched TDMA microwave switch matrix design 2−2754
amorphous semiconductor switching mechanisms, exptl. study 2−5716
analogue signal commutator, anal. of static error *(Polish)* 2−15908
analogue switch and multiplexer using MOSFET *(German)* 2−9269
analogue telephone switching by digital IC 2−10917
automobile inductive discharge ignition system, using transistor switching 2−8061
bipolar transistors, large signal switching behaviour for small supply voltages, over-storage effect *(German)* 2−9625
chalcogenide thin films, switching transient state characts. anal. based on space charge overlapping model 2−9452
CMOS, LF voltage ratio transformer design 2−14322
CMOS integrated semiconductor switch ccts., technology, characts. *(German)* 2−20399
CMOS LSI switch-array module *(German)* 2−19654
CMOS switches for signal source switching *(German)* 2−9177
CMOS transmission gate as touch switch 2−9741
contactless inductive front-type switch *(Bulgarian)* 2−5402
Darlington pair for power switching appls., discrete and monolithic forms, optimization *(French)* 2−24391
digital design techniques, touch switches, timers, oscillators 2−5268
digital telephone systems appl. 2−10914
doorbell random tune selector, using CMOS switches 2−870
electromagnetic solid state switch based on Hall effect and mag. cct. 2−19915
electronic solid-state switch, automatic protection for spacecraft high-power lines 2−22692
electrostatically controlled thyristor, blocking state theory 2−20246
FET applications, book 2−23880
HEXFET, direct drive and interface circuit for faster switching *(German)* 2−9647
high-speed optoelectronic switches, microwave switching performance 2−20746
injection current switch logic 2−24491
liquid level gauge, using IC proximity switch TCA 205 for diesel engines 2−28203
LM395, adaptation for low level switching at small load currents 2−684
matched switching power transistors *(German)* 2−1349
MESFET, Q-factor digital meas. of inductors appl. 2−17114
metal-tunnel insulator-Si thyristor under base voltage drive, transient switching characts. 2−20243
microwave switch using a p-i-n diode *(Russian)* 2−24705
MIS, tunnel insulator-semiconductor interface appl. 2−25097
MIS thyristor thresholding transducer in optical systems 2−10152
model railway points control, using thyristor cct. 2−871
MOSFET switching power supply design 2−13939
MT8980, DX IC for digital switching appl. 2−26333
optically coupled microwave switching devices 2−5352
optoelectronic switching matrix for satellite-switched TDMA 2−6805
p-i-n diodes, appl. in RF telecommunication and radar systems *(Italian)* 2−19813
p-n-p-n structure, high power thyristor switch, light pulse control 2−9637
pentode, adjustable rectangular pulse generator appl. 2−14019
power diodes, comparison of perform. of Au and Pt killed devices, leakage current and switching time meas. 2−25198
power supply switch design for UV-EPROMs, portable microprocessor-based equipment appl. *(Spanish)* 2−5109

semiconductor switches continued
power switching with cascoded HEXFETs and bipolar transistors 2−14813
power transistor switch, temperature limited, distrib. of dissipated power, thermal coupling effect 2−5735
power transistors testing, HV, using vacuum tubes 2−20237
programmable V/I stimulus and measurement module using FET switches 2−698
reference information on solid-state switching devices 2−5713
sample and hold switch 2−24765
telephone line switching IC *(French)* 2−16303
temperature control and setting, triac appls. *(German)* 2−1365
thyristor, modelling of transitional process *(Russian)* 2−1367
thyristor AC switches, control by diode-transistor switch 2−701
thyristor structure nanosecond switch for Cu vapour excitation by transverse discharge 2−1989
thyristor switching, control, and timing circuits 2−854
thyristor turn-on, voltage drop, plotting of exptl. curves using hyperbolic functions *(Russian)* 2−9636
touch switch lamp relay cct. 2−18741
transistor switching times, digital meas. *(Bulgarian)* 2−26969
triacs, construction, equivalent circuits and application *(French)* 2−5742
TTL circuit used for electromechanical selector switch replacement *(Italian)* 2−19621
voice operated switch, using VMOS FET 2−19916
$CdS_{0.5}Se_{0.5}$, multi kV picosecond optoelectronic switching 2−6107
GaAs dynistor pulse modulator of the radiation of an injection laser 2−20925
GaAs FET appls. in microwave integrated systems 2−24719
GaAs microstrip optoelectronic switches using laser plasma tapers 2−5353
GaAs photoconductive switch, laser-driven, picosecond microwave pulse generation 2−1796
InGaAs/InP heterojunction switching photodiode, anomalous props. 2−15409
Si, metal-tunnel oxide-n-p^+ switching device characts., effects of device geometry and fabrication processes 2−1385
Si switch, ultra high speed, for prepulse meas. of laser light *(Japanese)* 2−6106
Si thyristor discharger for pulsed mag. field generator 2−14349
$Te_{48}As_{30}Si_{12}Ge_{10}$, chalcogenide glass threshold switching devices, thermal cond., temp. meas. using liquid crystals 2−20222
V_2O_5-P_2O_5 glass melt, electrocrystn. of VO_x cpds. used in threshold switches 2−8851

semiconductor technology
See also under specific device headings
see also semiconductor doping; semiconductor growth
amorphous semiconductors, book 2−23883
bipolar transistors, submicron for HF low-current operation, electron-beam lithography 2−9628
bird's beak elimination, in recessed oxide isolation process 2−5655
capacitance-voltage plotting and profiling, using vacuum operated Hg probe 2−5663
characterisation problems, chem. analysis techniques, capabilities and limitations 2−9538
CMOS gate oxide damage during laser annealing, microanalytical study 2−14753
CMOS invertor with stacked transistors for high density 2−9735
cryopump system for semiconductor production *(Japanese)* 2−25118
crystal defects and elec. parameters, in semicond. devices, test of correlation *(Hungarian)* 2−14743
CVD, microelectronics processing appls. 2−13845
deep-UV lithography masks fabrication 2−20167
defect and contamination control in wafer processing 2−14755
device research conference, Santa Barbara, CA, USA (June 1981) 2−6
discrete devices and ICs, technological trends, Indian status 2−14742
dry etching technology for 1 micron VLSI fabrication 2−9571
ECL processing, bipolar test chip with emphasis on modularity and testability 2−14985
electrical conductivity of metallic thin films, effect of annealing *(Spanish)* 2−25165
electron beam appl., lithography and annealing, review 2−20181
electron beam generation systems for materials processing 2−25130
electron beam lithographic structures using high energy electrons 2−9534
electron beam technology appls. 2−9541
electron resists, positive, pattern calc. by proximity function model, exptl. test 2−1273
electrostatic tube cleaner [wafer processing] for IC semiconductor wafer processing 2−1268
ellipsometric configurations and techniques in semicond. characts. 2−17148
ellipsometry use in process control 2−14748
Fomblin, high performance vacuum pump fluid, for semicond. processing 2−20161
high-voltage power transistors, glass passivation technology 2−14851
hybrid contact metal planarization process for fabrication of bipolar transistors 2−25206
IC processing, microelectronic test structures for characterisation and control 2−14954
ion beam etched pattern profiles, three-dimens. simulation *(Japanese)* 2−9579
ion beams, liquid metal alloy sources for B, Sb and Si, basic characts., fabrication technology appls. 2−20172
ion implantation, beam transport through accel. column at energies <100 kV, lens/accelerator system 2−1288
ion implantation, profiling layers with spreading resist. probe 2−14777
ion implantation in microelectronics, bibliography 2−23878
ion implantation low-dose process control monitoring using MOS capacitor-voltage profiling 2−14776
ion-implantation low-dose monitoring, C-V profiling, technique appl. 2−14775
JFET, double-gate N-channel device, compatible, fabrication process 2−5748
lamelliform materials, opt. props. and characts. 2−14607
laser and electron beam processing, fund. mechanisms, review 2−25125
laser and electron materials processing, conf., Boston, USA (Nov. 1980) 2−23890
laser annealing, CW, beyond melt temp., thermal analysis 2−25137
laser annealing, pulsed and CW, of polysilicon films 2−14771
laser annealing applications in Si device fabrication 2−5664
laser annealing for microelectronics *(Polish)* 2−1259

semiconductor technology continued
laser applications in electronics prod. 2−10398
laser CW annealing of polysilicon films, SiO_2, Si_3N_4 substrate material effect 2−5690
laser frequency-sweeping interferometer, appl. in pattern generator 2−25116
laser photochemistry at surfaces for microelectronic appls. 2−1318
laser processing, semiconductor device appls. 2−14750
laser processing applications in Si microelectronics technology 2−9542
laser processing research at Texas A&M University 2−9543
lattice defects role in LSI 2−14953
low capacitance diffusion with buried contact 2−20262
LSI processing and yield CTX 300 technical database and analysis system−missing link in the semiconductor information system 2−14955
maskless ion implantation, mass-separating focused B and As ion-beam system 2−20188
masks, non-random defect control 2−25114
metallisation, spikes prevention in Al layers on Si surface 2−1322
metallisation of semiconductor devices, conf., Murray Hill, NJ, USA (June 1981) 2−5778
microelectronic measurement technology, conf., San Jose, CA, USA (March 1981) 2−14946
microelectronic test chips in IC manufacture, data processing 2−9704
microstructural information from opt. props. in near IR to near UV range 2−14606
modulation spectroscopy uses in semicond. characteris., review 2−9397
MOS p-channel implanted transistor threshold voltage depend. on impurity segregation during oxidation 2−5746
$MoSi_2$, contact metallurgy technique by using ion-beam mixing 2−1263
multilayer resist structures, plasma formation of buffer layers 2−1269
multiple film thicknesses, dopant conc. and impurity levels meas. using computerised IR microspectrophotometer 2−17150
ohmic contact fabrication, to back side of semiconductor wafer 2−1267
ohmic contacts and layer structures developments, MBE appl. 2−5709
optical characterisation techniques, conf., San Jose, USA (Apr. 1981) 2−8136
oxide films, plasma growth, review 2−24335
p-i-n-p-i-n diode structs., group selection technique of preparation *(Russian)* 2−1343
packaging and interconnection of new generation of ICs 2−14893
parametric testing 2−14950
parasitic substrate current reduction in transistors in SCRs, minor modifications in processing 2−5653
particle beam technology, conf., Dallas, TX, USA (May 1981) 2−18851
passivation of semiconductor structural elements, secondary, epoxy compounds and silicones suitability comparison *(German)* 2−14779
photolithography, projection printer wafer chuck interlock mechanism 2−1264
photomasks, all dry mask making process by gas plasma 2−14746
photoresists 2−20175
PIQ, polyimide type polymer, characterisation and appl. to semiconductor devices 2−9546
planar submicroscopic metal pattern replication with visible light, contact imaging methods 2−20170
plasma developable resists, by development of submicron lithography 2−1272
plasma etching, end-point detection, opt. methods 2−9581
plasma etching, end-point detection with laser interferometry 2−14791
plasma etching of thick polymer layers of microelectronic appl. 2−5660
plasma etching poly-Si and Si_3N_4 in SF_4, impact on MOS device characts. 2−9572
plasma etching processes automated characterisation techniques 2−14801
plasma etching stripping process, chemiluminescence end-point detect. 2−20211
plasmatron high-rate sputtering methods and appls. in microelectronics, hybrid microelectronics and electronics 2−19450
polyimide film, laser processing 2−14751
polyvinyl alcohol, photoresist for electron beam exposure 2−9529
positive photoresist development characterisation 2−9536
positive resist and developer lot-to-lot variability meas. for Si wafers, laser end point detect. apparatus 2−1265
power semiconductors, cooling, packaging and protection 2−1326
power transistors, premature breakdown prevention, impulse strength measurement 2−20240
precision rotary surface grinder [semiconductor wafer grinder] 2−9540
process induced defects, microscopic view 2−14754
punch through phenomena, current flow anal. *(German)* 2−25122
reactive ion etching for VLSI 2−9569
reactive sputter etching, plasma diagnosis by mass spectrometer, etching of Al, SiO_2 and photoresist 2−14793
reference materials from National Bureau of Standards for semicond. industry 2−22035
resist pattern, high resolution, prep. by Ar+methane reactive ion etching 2−14785
resists, etching by UV light 2−9576
shaping of bulk samples by photolithography and chem. etching 2−20169
sheet resistance meas. for monitoring ion implantation equipment, use and limitations 2−14774
single-crystal lithographic microstructures 2−9531
solar cell fabrication, pulsed electron beam annealing, apparatus and technique 2−23576
solar cells, space, large area, low cost, with optional wraparound contacts 2−17527
solar cells for space application optimisation, w.r.t. costs 2−17528
solar cells laser-annealing, optimisation 2−18592
solid-state devices, conf., Toulouse, France (Sept. 1981) 2−23892
source performance in focusing column with large deflection fields 2−20171
spu-chem etching technique for submicron patterns delineation 2−9584
sputtering systems, using high-rate magnetron cathode for mass production 2−19446
staining ion implanted layers and angle lapping, anomalous effect 2−9555
stepped-oxide CCD with asymmetrical oxide geometry 2−20261
substrate holder shape for uniform coating thickness for IC manufacture 2−19428
surface examination using high precision differential spectrometer 2−17149
surface overlayers detection and minimisation using spectroscopic ellipsometry 2−11646
tape automated bonding for high density packaging 2−1078
TiN sputtered diffusion barriers 2−12880

semiconductor technology continued
ultra-fine structures, high-speed fabrication 2−9532
VLSI MOS selective oxidation technology 2−9574
wafer anisotropic dry etching techniques, ion bombardment processes 2−14792
wafer defect control, gettering procedures 2−14741
wafer design controlling bow and warpage for VLSI lithography 2−14756
wafer exposure equipment, contact and projection printers and DSW systems 2−9527
wafer ion-implantation systems, development, PR-30 machine for Bell System 2−25151
wafer pneumatic chuck transfer system for precise positron control 2−1262
wafer processing/characterisation, technique for eliminating backside contamination 2−14744
wafer reactive ion/plasma etch system, batch capability, individual slice treatment 2−5693
wafer retarding mechanism for reduction of breakages and chipping 2−20164
wafer surface contamination level meas. based on bulk lifetime 2−1313
wafers, laser processing *(German)* 2−5652
X-ray lithography, polyimide masks, high durability and dimens. stability, fabrication 2−20174
X-ray lithography mask, Si_3N_4-polyimide-SiO_2 complex membrane 2−14747
X-ray lithography system for submicron techniques *(Japanese)* 2−25112
X-ray lithography using a pulsed plasma source, suitability and filtering to protect resist 2−20173
X-ray replication system for submicron lithography *(French)* 2−25123
(Al,Ga)As/GaAs heterostructures, modulation doped, current transport and high speed FET appls. 2−9651
Al lands removal from semiconductor chips, polishing technique 2−20203
Al metallisation, electromigration meas. techniques for grain boundary diffusion activation energy 2−14805
Al plasma etching, optical endpoint detect. 2−14800
Al-Si, temp. gradient zone melting, instabilities 2−5658
AlGaAs/GaAs solar cells, high efficiency with high resist. to radiation damage 2−18585
$Al_xGa_{1-x}As$ LED fabrication, epitaxial p-n structures quality estimate 2−25119
As implantation/diffusion profile in Si, sheet resist.-junction depth relationship 2−9549
CF_4-H_2 induced diffusion barrier elimination method 2−20168
CdS/CdTe solar cells, screen printed, technology developments *(Japanese)* 2−4351
$CuInSe_2$, oxidation stability studies 2−18589
GaAs crystal growth, material and its appl. 2−1182
GaAs Hall devices, highly linear, fabricated by ion implantation 2−20221
GaAs, ion-beam-assisted dry etching, elec. characts. 2−25158
GaAs low-noise MESFETs, high aspect-ratio 0.1-μm gate technique, optical lithography 2−14868
GaAs MESFET, fabrication of stable Schottky barrier gates 2−14882
GaAs metallisation, problems and trends 2−1324
GaAs microwave applications, technology, characts. 2−942
GaAs ohmic contacts fabrication and props., AuGe-based 2−5708
GaAs, plasma etching of micron size features using freons and other electronegative gases, discharge effects 2−9585
GaAs Schottky detectors in sub-MM wave region, characterisation 2−19888
GaAs substrates, monolayer-Sn technique for solving substrate film interface high resist. problem in MBE 2−13815
GaAs surface native oxide layer production by anodic oxidation, nitridation in NH_3 atmosphere 2−20201
GaAs, technological review, HF device appl. 2−20074
GaAs thin-film solar cells 2−23527
InP, plasma etching of micron size features using freons and other electronegative gases, discharge effects 2−9585
$K_2Cr_2O_7$-H_2SO_4-HCl, new etchant system for GaAs and InP 2−5699
$NbSi_2$, contact metallurgy technique by using ion-beam mixing 2−1263
PdO etching process, without damage to semiconductor structures 2−5694
Si CVD epitaxy on (111) and (100) substrates, pattern shift and pattern distortion 2−20178
Si chunks continuous production process, combined fluidized bed apparatus 2−1275
Si crystal, tail ends revelation, by etching 2−1305
Si, Czochralski-grown, O and C impurities 2−1156
Si, defect introduction during prep. and device processing, book contrib. 2−1167
Si, defect-free device processing, book contrib. 2−1278
Si epitaxy for VLSI high performance ICs 2−20177
poly-Si, H_2 heat treatment for enhancement of minority carrier diffusion length for low-cost solar cells 2−18594
Si, impurities and defects, effect on semicond. technology, book 2−12
Si ingot slicing with internal diameter saw, low-cost solar cell technology, economics 2−23582
poly-Si on SiO_2, laser recrystallised for high performance resistors 2−9242
Si p-n-p planar epitaxial transistor, protective passivating coating props. *(Bulgarian)* 2−5692
poly-Si plasma etching, optical endpoint detect. 2−14800
Si, plasma etching of micron size features using freons and other electronegative gases, discharge effects 2−9585
Si, polycrystalline, resistors, manufacturing process 2−5369
Si polycrystalline sheet production by electrostatic spray process, solar cell fabrication 2−12915
Si quality statistical estimation, specific resistivity inhomogeneity determ. 2−25120
Si, reactive ion beam etching with saddle-field ion source 2−20207
Si reactive sputter etching with very low mash-material etch rates 2−9570
Si, reactive sputter etching using gas mixtures based on CF_4 and Cl_2 2−20208
Si self-aligned structures using laser annealing 2−9533
Si, semiconductor device processing, book contrib. 2−1277
Si semiconductor devices, screenable alpha particle barrier 2−1261
Si, semiconductor processing technology, trends, book contrib. 2−1279
Si shadow masks with anisotropically etched-through slots, fine-feature thin-film deposition appls. 2−14782
Si single cryst. production on insulating substrate 2−25113
Si, single crystal, reactive ion etching, in CF_4/O_2 and CF_2Cl_2/O_2 plasmas, comparison 2−20209

semiconductor technology continued
Si solar cell 2−23497
Si solar cell processing technology, possible advances during 1980s 2−23487
Si solar cells, fabrication by orientation-dependent slicing 2−18565
a-Si solar cells, fabrication processes advances, review 2−28128
Si wafer cost reduction for photovoltaics 2−5661
Si wafer laser scribing, thermal and energy characts. *(Russian)* 2−1260
Si wafer processing, temp. gradient zone melting appl. 2−14745
Si wafer rim, chemical etching procedure for elimination of slip lines 2−1304
Si wafers, laser annealing, light-absorbing layer 2−5654
Si:As, B wafer reactive-ion etch end-point detect. using spectrophotometer and photodetector 2−1303
a-Si:F:H, a-Si:H, a-Si:F, electronic devices, review 2−25258
Si-SiO_2 systems, physico-chemical processes, behaviour of H and H-containing structs. *(Russian)* 2−1249
a-SiC:H/a-Si:H heterojunction solar cell with conversion efficiency more than 7.5% 2−18588
SiH_4 pyrolysis in free-space reactor, Si production for low-cost solar arrays 2−20069
Si_3N_4 plasma etching, optical endpoint detect. 2−14800
Si_3N_4, reactive ion beam etching with saddle-field ion source 2−20207
SiO_2 grating patterns, X-ray lithography and reactive ion-beam etching fabrication 2−1309
SiO_2, reactive ion beam etching with saddle-field ion source 2−20207
SiO_2, reactive sputter etching using gas mixtures based on CF_4 and Cl_2 2−20208

semiconductor thin films
for electronic conduction in crystalline and amorphous films, see "electronic conduction in crystalline semiconductor thin films" and "electrical conductivity of amorphous semiconductors and insulators", respectively
see also amorphous semiconductors; semiconductor epitaxial layers
amorphous chalcogenide films, electrothermal model for breakdown, switching and memory effects 2−9458
CC/a-/Si-H, hydrogenated film struct. and prop. depend. on RF-sputtering gas press. 2−600
chalcogenide glass films, photoprocessing and lithographic appl. 2−25124
chalcogenide semiconductors, new fabrication techniques 2−25027
chalcogenide thin films, amorphous, high field short pulse behaviour, band model 2−5579
β-copper phthalocyanine, photocurrents thermal quenching and thermally-assisted optical quenching 2−15378
copper phthalocyanine films, photocurrents, O_2 and H_2 effects on thermal quenching and thermally assisted optical quenching 2−15379
film, semiconducting, struct., X-ray diffr. study 2−24338
heterolayer, two-dimensional electron transport, screening 2−5611
II-V compounds, amorphous and cryst., thin films, prep., struct., elec. and optical props. 2−13848
II-VI compound vacuum evaporated film, optical consts. determ. with optical waveguides 2−9962
lamelliform materials, opt. props. and characts. 2−14607
LED, Burrus-type, interference effects in emission and reflection spectra 2−1821
majority-carrier characts. meas., automatic modular expt. set-up using IEC-bus *(German)* 2−16821
minority carrier bulk diffusion length determ. by SEM-EBIC 2−14832
modelling of ion-beam etching process of thin films 2−20214
optical mass memories and IC elements, appl. of chalcogenide amorphous films 2−25543
organotin films, amorphous, semiconductive and conductive, form. and props. 2−19448
$pb_{1-x}Sn_xSe$ heterostructure for injection lasers 2−25799
solar cells, Si thin film, applicability of vacuum deposited silicon 2−12895
surface space charge layer, Hall and thermoelectric effects 2−1144
thermal and plasma-conversion 2−24315
thin-film solar cell research at Institute of Energy Conversion, Delaware, USA, progress report 2−4369
transition metal oxides, elec. and electrochromic props., review 2−25010
V-MOS transistors thin gates fabrication in V-groove *(Slovak)* 2−25220
Ag-Te, amorphous semicond. film, prep. by diffusion and elec. cond. 2−25008
Al-$Se_{32}Te_{32}As_4Ge_{32}$-Au structure, elec. characts. of amorphous semicond. layer 2−14736
$Al_xIn_{1-x}N$ thin films, RF sputtering deposition 2−19447
AlN film grown at low temp. by modified sputter gun 2−8828
AlN film prep. by ion implantation, AES and low-energy EELS studies 2−8825
AlN on Si SAW devices 2−15090
As-S:H, amorphous plasma deposited coating, optical props. and EPR 2−25003
As-Se, glassy, hole drift mobility, composition and struct. depend. 2−25009
As-Se:H, amorphous plasma deposited coating, optical props. and EPR 2−25003
As_2S_3 amorphous film waveguide, optical grating device fabrication 2−1740
As_2S_3 film for holographic recording *(Russian)* 2−10370
As_2S_3 film waveguide, electron-beam directly written microgratings for integrated optical circuits- 2−6042
As_2S_3-Sb_2S_3 and As_2S_3:Sn, glassy, hole drift mobility, composition and struct. depend. 2−25009
As_2Se_3 film for holographic recording, three-layer *(Russian)* 2−10370
Cd-Si-As film, sputtered, compositional studies 2−5012
Cd_3As_2 amorphous films, structural, electrical and thermoelectric props. 2−14665
Cd_3As_2, amorphous films, elec. transport props. 2−20105
$Cd_xHg_{1-x}Te$, photothermomagnetic effect in mm and submm ranges 2−6091
$Cd_xPb_{1-x}S$ (x=0.0625, 0.15625) superstructural thin film, props. 2−9478
CdS based photosensitive sandwich structs., series equivalent circuit parameters *(Russian)* 2−15385
CdS, elec. props. rel. to struct. and comp. 2−24967
CdS film, chemically sprayed, struct. and electronic props., solar cell appl. 2−5567
CdS film, n-n junction system 2−5551
CdS film exhibiting residual cond., lux-ampere characts., superlinearity 2−1791
CdS films, grown on faceted (111)InP substrates, small angle grain boundaries 2−1179

semiconductor thin films continued
CdS thin film fabrication for Cu_2S-CdS solar cells by chemical spray deposition-ion exchange process 2−23586
CdS:$Al_2O_3(SnO_2)$ coating prep. by spray pyrolysis, solar cells appl. 2−24990
CdS:$CuCl_2$, baked layers, effects on elec. and photoelectrical props. 2−14653
CdS:$CuInSe_2$, vacuum deposition of $CuInSe_2$ on CdS, experimental methods 2−23457
CdS-Cu_2S, solar cell, depth profiling, XPS and AES 2−4347
CdS-Cu_2S thin film heterojunctions, photovoltaic properties 2−20131
CdS-S coevaporated thin film prep. and cryst. props. 2−19440
CdS_xTe_{1-x}, preparation and properties for graded band gap solar cells 2−5027
CdS_xTe_{1-x} solar cells, graded band gap, preparation and props. 2−8004
CdSe based photosensitive sandwich structs., series equivalent circuit parameters *(Russian)* 2−15385
CdSe, elec. props. rel. to struct. and comp. 2−24967
CdSe, polycrystalline layers, effect of annealing on elec. props. 2−14654
CdSe solution grown films, optical and photoconducting props. 2−25582
CdSe thin film, chemically deposited, for photoelectrochemical cells 2−19423
CdSe thin film anodes, photoelectrochem. characts. 2−5648
CdSe thin film photoelectrochemical cells for solar energy conversion 2−4371
n-CdSe/electrolyte interface, electrorefl. spectra, photoelectrochem. solar cell appl. 2−5650
n-CdTe electrodeposited solar cells evaluation 2−23454
CdTe p-n junctions quantum and energy conversion efficiency 2−20130
CdTe sputtered thin films, photocond. and photovoltaic effects 2−25581
CdTe thin film appls. to solar cells *(Slovak)* 2−9437
CdTe, thin films, struct. and elec. props. stoichiometry and prep. condition depend. 2−24956
(CdZn)S/Cu_2S solar cells, thin-film, polycrystalline 10% conversion efficiency 2−18523
CdZnS-Cu_2S thin film solar cells, Cu_2S and CdS lattice constants mismatch reduction for cell conversion efficiency optimisation 2−18513
$CuInSe_2$, ion-beam sputtered, characterisation 2−5599
$Cu_{2-x}S$-CdS frontwall thin film solar cells, influence of performance of surface props. of $Cu_{2-x}S$ 2−18509
$Cu_{2-x}S$-CdS thin film solar cells with dual impurity distrib. in base 2−23432
Cu_xS thin film deposition, flash evaporation technique, morphological and optical investigations 2−19454
Cu_xS-CdS integrated thin film solar panels fabrication technology 2−18516
GaAs film, chemical thinning by etching 2−9587
GaAs thin film solar cells by OM-CVD growth, high efficiency 2−18538
GaAs thin-film MOS solar cells, 10 μm film thickness, characts. 2−23621
GaAs ultrathin films, used for solar cell construction 2−28119
GaAs:Cr amorphous film, hopping conduction 2−20092
GaAs:H, amorphous, RF sputtering and optical props., H_2 partial press. effect 2−19427
GaAs-GaAlAs, DH laser grown by metalorganic CVD process 2−1965
GaInAsP-InP layers, long wavelength, temp. depend. photolum., surface recomb. vel. 2−1967
GaN film, RF reactively sputtered, dielec. props. 2−9757
GaSb amorphous film, flash evaporated, electronic props. 2−24973
Ga_2Se_3 thin films in MS'IS structure, elec. props., localised states influence 2−14740
Ga_2Se_3-In_2Se_3 thin films, elec. and optical props. 2−1216
Ga_2Te_3 thin films, prep. and elec. props. 2−5592
Ge, amorphous, laser processing, explosive crystn., liq. layer existence 2−25134
Ge, amorphous, scanned laser crystn., phase boundary kinetics meas. 2−25133
Ge, amorphous UHV deposited films, struct., elec. and optical props. 2−20097
Ge film, polycryst., low temp. growth by UV laser photodissociation of GeH_4 2−24318
Ge thin film p-n junction ultra high efficiency solar cell performance for solar thermophotovoltaic energy conversion 2−23460
Ge:Li film, amorphous, electret effect 2−9849
Ge-Se:Ag films, photo and electrochem. doping, AES and XPS study 2−25145
Ge_xC_{1-x} CVD coating, struct. and optical props. 2−25037
Ge(Li) coaxial detectors, charge losses in sensitive film near-surface region *(Russian)* 2−17257
Ge_4Se_5Te films, charged defects, Poole-Frenkel effects study 2−25007
GeTe amorphous thin films, elec. cond. mechanisms 2−5578
InAs:N_2^+ ion-implanted amorphous and crystalline film prep., electrical conductivity and Hall mobility 2−5569
In_2O_3 film, semiconducting, struct., X-ray diffr. study 2−24338
In_2O_3 films, evaporation from In_2O_3/In source, chemical and elec. props. 2−8832
In_2O_3-CdSe-VO_2 heterojunctions, optical control of spectral characts. 2−20722
$In_2O_3SnO_x$ film, RF sputtering of Y_2O_3 2−5013
InP films, grown on faceted (0001)CdS substrates, small angle grain boundaries 2−1179
In_2S_3 polycrystalline and amorphous film, manufacture and appls. *(Russian)* 2−1212
InSb film, multi-pass zone melting 2−24317
InSb:N_2^+ ion-implanted amorphous and crystalline film prep., electrical conductivity and Hall mobility 2−5569
$InSn_xO_y$-Ta_2O_5-ZnS:Mn-Ta_2O_5-Al thin film struct., DC electrolum. 2−25598
$In_{2-x}Sn_xO_3$ film, DC magnetron sputter deposition 2−24333
$In_{2-x}Sn_xO_3$ film, degradation in glow-discharge plasma 2−13842
$LiNbO_3$-InSb film struct., acoustoelectronic interaction, quantum size effect 2−25093
Mo_xGe_{1-x}, amorphous film, elec. transport and struct. 2−20106
PbTe, thin films, struct. and elec. props. stoichiometry and prep. condition depend. 2−24956
Se, amorphous film, monostable switching, microwave noise 2−9455
Se, amorphous film, photostruct. fatigue 2−15382
Si, amorphous, CVD growth, struct., optical, and elec. props. 2−20099
Si, amorphous, electrodeposition from $SiHCl_3$ solns. in aprotic solvents 2−13833
Si, amorphous, new fabrication technologies 2−25020
Si, amorphous, plasma CVD *(Japanese)* 2−8835

semiconductor thin films continued
Si, amorphous, plasma deposited and CVD coatings, ion implantation, elec. cond. and photoluminesc. 2−20095
Si, amorphous doped, deposition mechanism in SiH_4 plasma 2−13844
Si amorphous film, laser crystallisation *(French)* 2−8799
Si amorphous film, props. control by control of plasmachemical prep. processes, use in solar cells 2−19429
Si amorphous films, compositional and structural characterisation techniques 2−25021
Si amorphous films, evaporated and sputtered, annealing and hydrogenation 2−24931
Si, amorphous films, explosive crystn. in solid and liq. phases 2−19422
Si amorphous RF sputtered coating, photocond., optical and EPR props. 2−20093
Si, amorphous thin-layers production and appls. *(German)* 2−24944
Si chips, cell for chem. etching 2−14780
Si, deposition from melt *(French)* 2−5008
Si film, chemical thinning by etching 2−9587
Si film, encapsulated, zone-melting recrystn. on SiO_2, morphology and crystallography 2−24916
Si film, polycryst., low temp. growth by UV laser photodissociation of SiH_4 2−24318
Si film, polycryst., recrystn. using laser beam profiling technique 2−25885
Si film deposition by pyrolytic decomposition of SiF_2 gas 2−24325
Si film on sapphire, implanted, laser annealed, dislocations, twins 2−14798
Si films, CVD, amorphous and polycryst., cond. mechanism 2−24933
a-Si films, heavily doped, glow discharge, AC conduction 2−25029
a-Si, glow discharge, fatigue effect in luminesc. at low temp. 2−25606
Si, implanted, CW laser-induced solid phase epitaxy dynamics, time-resolved reflectivity meas. 2−24307
Si island growth on bulk fused SiO_2 by CO_2 laser annealing 2−24309
Si, plasma deposited amorphous films, props. governed by plasma parameters 2−24332
Si polycrystalline film, surface stabilisation during laser recryst. 2−5696
Si polycrystalline film production in H_2 medium, chemical process, appls. *(Bulgarian)* 2−24319
Si, polycrystalline films, diffusion length meas. method based on photovoltaic conversion 2−6088
Si polycrystalline ribbon, high press. plasma deposition 2−24324
Si polycrystalline thin films, laser annealed, integrated circuit appl., review 2−20066
Si, prep. by plasma and low press. CVD in horizontal reactor 2−8837
Si, semi-insulating polycryst., deposition in low pressure CVD reactor, growth kinetics 2−13839
Si, semi-insulating polycryst., deposition in low pressure CVD reactor, O content 2−13840
a-Si solar cells, fabrication processes advances, review 2−28128
Si vacuum deposited thin film solar cell, TiB_2 thin film electrode behaviour 2−28113
a-Si:Ar RF sputtered films, elec. and optical props., effect of Ar 2−20102
Si:As, ion implanted, polycrystn. film, laser irrad., elec. props. grain size, annealing effect 2−9404
Si:As(P), polycryst. film, CW laser annealing, SiO_2, Si_3N_4 substrate material effect 2−5690
Si:As(P), polycryst. film, pulsed and CW laser annealing 2−14771
Si:B, H amorphous CVD film, hydrogenation effect, elec. cond. and ESR meas. 2−20100
Si:F, H amorphous CVD film, hydrogenation effect, elec. cond. and ESR meas. 2−20100
Si:F amorphous film, glow discharge plasma deposition from SiF_2 gas 2−19443
a-Si:F:H, electrical, spectral and doping properties 2−25023
Si:H, amorphous, electron bombardment induced conductivity 2−5575
Si:H, amorphous, plasma deposited, photocond., temp. depend. 2−1778
Si:H, amorphous film, large area plasma deposition and elec. props. 2−19426
Si:H, amorphous film growth, plasma diagnostics 2−24331
Si:H, amorphous hydrogenated, reactive laser evaporation 2−594
Si:H, amorphous ion beam deposited coating, prep. and props. 2−20094
Si:H, amorphous RF magnetron sputtered coating, elec. and optical props. 2−19425
Si:H, amorphous RF sputtered coating, IR 2000 cm^{-1} absorpt. band and photoelectronic props. 2−20096
p-Si:H, B amorphous film, high cond., prep. by Penning discharge 2−19439
Si:H, crystalline, reactive sputtering fabrication, struct. study by X-ray diffr. and optical spectra 2−607
Si:H, Li amorphous film, DC glow discharge deposited, photovoltaic effect 2−25571
Si:H, O sputtered films, amorphous, optoelectronic props., effect of O 2−25580
Si:H,B amorphous film, elec. props., optical props. 2−25015
Si:H,Cl amorphous film, photolum. studies 2−25604
Si:H,N(O), amorphous glow discharge film, elec. cond. and photocond., $N_2(O_2)$ doping effect 2−20098
Si:H,P films, elec. props., transition to amorphous phase, solar cell props. 2−24927
Si:H amorphous film deposition by Penning glow discharge of SiH_4 2−19437
Si:H amorphous film deposition from SiH_4-Ar plasma 2−19441
Si:H amorphous film solar cell, Tandem type 2−28116
Si:H amorphous films, gas phase doped or ion implanted 2−20191
Si:H amorphous films, photocond. and photolum 2−25578
Si:H amorphous films, SiH_4 decomp. prep., phys. props. 2−1203
Si:H amorphous films for electrophotographic appl., photoelec. props. 2−24928
Si:H amorphous plasma deposited coating, elec. and optical props., RF power and growth temp. depend. 2−19444
Si:H amorphous thin film solar cells electrical and optical props. optimisation using RF bias-sputtering 2−23446
Si:H film, amorphous plasma deposited, RF power and reactant gas press. effect 2−13837
a-Si:H film, photocond. anal. luminesc. meas. of cond. band tail 2−25575
Si:H films, amorphous n-type and p-type, primary and secondary photocurrents 2−25574
a-Si:H films, for photoconductor applications 2−26860
a-Si:H films, impurity doping, morphological study, electrical and optical properties 2−25022

semiconductor thin films continued
Si:H(B)(P), amorphous DC sputtered coating, doping and elec. props. 2−19424
Si:O(H)(F) evaporated amorphous films, DC cond., impurities effect 2−5580
Si:P-Nb Josephson struct., high resistance 2−25455
Si-F-H amorphous film, Schottky-barrier and MIS solar cell appls. 2−23564
SiC, synthesis by ion implantation *(Japanese)* 2−8827
Si_xC_{1-x}:H, amorphous films, photocond. and photolum 2−25578
SiGe:H amorphous film solar cell, Tandem type 2−28116
a-$Si_{1-x}Ge_x$ films for high performance solar cells 2−23447
Si_xGe_{1-x}:H alloy amorphous films, optical and elec. props., solar cell appls. 2−23565
SiH_x, plasma deposited amorphous films, props. governed by plasma parameters 2−24332
SnO_2 film, RF sputtering of Y_2O_3 2−5013
SnO_2 films, pulsed laser evaporated 2−19438
SnO_2:F conductive transparent thin films, characts. for solar cells appl. 2−18493
SnO_2:Sb, thin film elec. and optical props. 2−20091
SnO_2:Sb film, prep. by activated reactive evaporation 2−24334
SnO_x ultrafine particle films, elec. props. 2−9445
SnO_x:Sb film, platinized, prep., surface composition and electronic struct. 2−24314
Te AR trilayers, wavelength-depend. laser marking characts., 400-700 nm 2−1773
Te film on $Pb_5Ge_3O_{11}$, TGS and TGSe substrates, ferroelec. field effects 2−1527
TiO_2 semiconducting thin film photoelectrodes for photoelectrochemical cells 2−18406
TiO_2:B antirefl. coating, spray deposition, Si solar cell appl. 2−23498
V_2O_5, amorphous CVD coating, prep., elec. cond. and EPR spectra 2−20103
WO_3, amorphous anodic films, semicond. props. rel. between photocurrent and electrode pot. 2−9447
ZnO film prep. by metalorganic CVD from diethyl zinc 2−24326
ZnO films prep. by oxidation of diethyl zinc 2−14640
ZnO, highly oriented films, by CVD 2−13846
ZnO sputtered thin films, luminesc. props. 2−25591
Zn_3P_2 film, quasi-rheotaxial growth 2−8836
ZnS, reactively sputtered, electron microscope and Rutherford backscatt. obs. 2−608
ZnS:Cu,Nd,Cl film, laser phenomena in direct current electrolum. and cathodolum. 2−10127
ZnS:Er thin film, DC electrolum., spectral intensity 2−25600
ZnS:Mn,Er thin film, electrolum., mutual interaction between Mn and Er centres 2−25599
ZnS:Mn(TbF_3) AC thin film device, electrolum. mechanism 2−25633
ZnS:$YEuO_2S$ thin film, electrolum. complex centre characts., fluoresc. and time resolved spectra 2−25590
ZnS(Se) transmissive IR materials made by CVD process 2−5024
ZnS_xSe_{1-x}, polycryst., prepared by CVD, struct. and optical props. 2−24329
ZnSe:ErF_3 thin films, electrolum. 2−15395
ZnTe layers on Si, growth by solid-state reactions of Zn and Te layers prep. by ion beam evap., junction props. *(Japanese)* 2−8834

semiconductors
Generalities and properties of unspecified materials only. For specific materials see semiconductor materials.
see also amorphous semiconductors; degenerate semiconductors; heavily doped semiconductors; magnetic semiconductors; many-valley semiconductors; narrow band gap semiconductors; polar semiconductors; thermoelectric effects in semiconductors and insulators
1/f noise theory, new unified formulation for generation-recombination 2−20053
ballistic transport limitations in semiconductors 2−1140
biexcitons, M-luminesc. band region, self-induced transparency 2−25846
characterisation problems, chem. analysis techniques, capabilities and limitations 2−9538
compensated, localised charge carriers, particle statistics and transport 2−9390
conference, Hakone, Japan (Sept. 1980) 2−13151
conference, Oxford, England (April 1981) 2−13150
crystals, hydroplane polishing 2−1315
current controlled negative resist. and generation-recomb. induced nonequilib. phase transitions, impact ionisation model 2−24902
current density calc., additivity of ohmic and space charge limited currents 2−24910
current-voltage characteristics, S-type, in classically strong mag. fields 2−24913
deep levels, meas. techniques, DLTS, thermally stimulated capacitance, photocapacitance and photocurrent meas. methods *(Japanese)* 2−9391
diffusion of high density electrons and holes, and many-body effects 2−24899
direct band gap, effect of electroabsorption on ionisation coeff. determ. 2−9387
direct gap, minority carrier lifetime, electron beam induced current study 2−24971
disordered semiconductors, microscopic theory of dispersive transport 2−9398
doped, diffusion of electrons and holes at high lattice and electronic temps. 2−24907
dynamic nonlinear optical processes review 2−25827
eigenfrequency splitting by gyrotropic sample in spherical microwave resonator 2−3263
electric field enhancement calc. for degenerate diffusion process 2−24911
electron diffusion coeff., freq. and wavevector depend., from Monte Carlo calc. 2−24906
electron transport in presence of impact ionisation 2−1142
electronic transport properties, phonon contrib. 2−24900
ellipsometry use in process control 2−14748
EM wave propag., inhomogeneous high freq. current effect 2−9401
field emitter, elect. field relation at vertex and voltage 2−1105
high-resolution optical spectroscopy characteris., review 2−9395
hot carrier ballistic transport, displaced Maxwellian formulation 2−24939
hot carriers in semiconductors, conf., Montpellier, France (July '81) 2−23866
hot electron effects in crossed mag. and static microwave elec. fields 2−24909

semiconductors continued
hot electron noise props. in nonzero collision duration regime 2−24908
hot electron studies, microwave experiments including avalanche 2−24901
hot-carrier diffusion phenomenon, non-equilib., Monte Carlo approach 2−24904
hot-carrier diffusion phenomenon, non-equilib., theoretical non-Markovian approach 2−24903
impact ionisation coeffs. determ. 2−9494
inhomogeneous, elec. cond. and permittivity near percolation threshold 2−5574
interface physics, conf., Williamsburg, VA, USA (Jan. 1981) 2−4566
ion implantation radiation damage annealing by light and electron beam irrad. *(German)* 2−14790
ion implanted, plasma annealing 2−9565
ion-implantation-induced defect annealing using electron and laser beams *(German)* 2−20210
laser annealing, liq. phase and solid-state epitaxial recrystallisation 2−10403
laser heated, nonlinear dynamic heat transport, carrier diffusion effect 2−1141
laser radiation, submicron, from exciton transitions excited by external source 2−25752
melting phenomena and laser annealing calcs. 2−14799
microstructural information from opt. props. in near IR to near UV range 2−14606
microwave properties determined by using spherical cavities 2−3262
modulation spectroscopy uses in semicond. characteris., review 2−9397
multiple film thicknesses, dopant conc. and impurity levels meas. using computerised IR microspectrophotometer 2−17150
neutron transmutation doping 2−1292
nonlinear galvanomagnetic effects, phonon heating and drag 2−14609
nuclear radiation detectors, carrier trapping, current transport 2−9393
optical and electronic props. of narrow and wide gap materials, model based studies 2−14604
optical constants, far IR, direct determ. using asymmetric Michelson interferometer 2−11645
optical nonlinearity and bistability due to biexciton form. 2−25840
parameters characterisation using two-wavelength laser scanner 2−10405
phonon heating and drag, nonohmic, nonreciprocity and magnetoresistance size effects 2−14610
photodecomposition, thermodynamics, kinetics, appl. to photoelectrochemical cells 2−9522
photoelectrochemical solar cells with layer-type semiconductor anodes, chem. surface treatment 2−18476
photoluminescence and photolum. excitation spectroscopy characteris., review 2−9394
photoresponse, high freq., with modulated carrier diffusion coeff. 2−15387
photovoltaic effect, nonstationary EMF *(Russian)* 2−15390
plates in cross-magnetic field, Van der Pauw's relations validity for electrical resistivity determ. *(Rumanian)* 2−20052
polycrystalline, carrier mobility, grain boundary barrier model 2−9388
polycrystalline, grain boundary scatt., charge scatt. model 2−24898
quantum electronic materials, growth and characts. *(Russian)* 2−9967
quantum electronic materials, physical characts. *(Russian)* 2−9966
Raman scattering uses in characteris. 2−9396
review of work at IBM in last 25 years 2−20054
semiconductor-piezoelec. insulator layer struct., acoustoelectronic interaction, semicond. band bending effect 2−9518
solar cells, terrestrial and satellite solar power stations *(Polish)* 2−28120
space charge model 2−20120
surface, potential, elec. field, charge density, mobile carrier conc., equilib. soln. 2−20055
surface overlayers detection and minimisation using spectroscopic ellipsometry 2−11646
theory, basic introduction, book 2−13197
trace impurity analysis techniques for LSI materials *(Japanese)* 2−14605
transit resonance, subharmonic 2−9400
ultrafine wire struct., high mobility effects 2−1143
vapour pressure determination, boiling point method 2−3293
wafer, resist. variation meas. using photovoltaic method *(Japanese)* 2−22347
zinc-blende cryst., Raman coeff., first order, related to optical props. 2−10343

semimetallic thin films
Bi, interlayer in Josephson sandwiches *(Russian)* 2−9917

sensing devices *see detectors*

sensing devices, electric *see electric sensing devices*

sensing devices, nonelectric *see nonelectric sensing devices*

sensitivity
current operated earth leakage cct. breakers for protection against AC and DC fault currents 2−7956
electronic warfare receivers, tangential sensitivity 2−26409
European satellite broadcast receiver compatibility conditions and performances *(French)* 2−21901
ionisation gauge, nonlinearity at upper limit of measured press. 2−11473
ionisation gauges, triode and Bayard-Alpert types, long term behaviour 2−11661
linearization method for determining the effect of loads, shunts and system uncertainties on line protection with distance relays 2−12286
magnetometer, inductance variation, thin film, factors affecting performance 2−20549
magnetometers, time-derivative, to be installed on spacecraft, sensitivity *(Japanese)* 2−3579
methyl methacrylate, vacuum lithography using plasma polymerization and plasma development 2−14749
phased scanning antenna arrays, with interaction of radiators 2−21239
radiation receivers, nonlinear, quantum efficiency of detection 2−7110
recursive digital filter, new class of very low sensitivity and low roundoff noise structs. 2−19795
small-signal output parameters sensitivity determ. of linear ICs, efficient algorithm *(Russian)* 2−14905
sonar array transducer and hydrophone design and construction 2−26551
SQUID magnetometer using ^{3}He, performance limits and appl. 2−16962
symmetric form filter, sensitivity characts. 2−19770
TV broadcast satellite signal reception and processing 2−21808
$In_{0.53}Ga_{0.47}As$-InP avalanche photodiodes, excess-noise and receiver sensitivity measurements 2−15401

sensitivity analysis
see also control system analysis; dynamic response; frequency response; transient response
220 kV transposed transmission overhead line 2−17750
acceleration transducer, calibration methods to determ. circuit transfer function 2−3030
active filter design and anal., state-space approach 2−5281
active networks, generation of equiv. networks with minimised sensitivities 2−825
algorithm for evaluating the sensitivity of automatic control systems for electric drives 2−8032
chain of uniform π-networks with crystal resonators in series arms 2−9138
computer models, sensitivity analysis, statistical approach 2−19134
eigenvalue sensitivity analysis in relation to dynamic performance of large generators with excitation system 2−4099
estimation of wind system performance and economics using unit availability criteria 2−4004
gradient of network sensitivity function 2−19498
linear oscillator frequency sensitivities, efficient computational algorithm 2−5071
LVMP relaxation anal. 2−19252
microwave receiver with TWT at input under interface conditions 2−1121
minimum shift keying modulator performance in dynamic temp. environment 2−6393
MOSFET, short channel, parameter sensitivity determ., numerical simulation 2−25255
multiple amplfier active RC biquadratic sections, using op. amps. f or active filters 2−9147
power network sensitivity anal., complex Lagrangian approach 2−27451
power system dynamic stability analysis 2−22841
power transformers, damage detection methods *(Rumanian)* 2−12691
satellite link, attenuation due to rainfall and sensitivity to parameters *(French)* 2−10469
switched-capacitor filters, performance 2−24379
switched-capacitor networks, computer aided analysis program, SCANAL 2−13930
turbogenerator field suppression methods 2−4098
two-dimensional Kalman filter, use in statistical quality control of channel, sensitivity anal. 2−2348
use of sensitivity analysis in automated transmission planning 2−22893
wave active filters, sensitivity and HF perform. 2−829
wave digital filter sensitivity in terms of reference filter sensitivity 2−19796
wind speed height extrapolation, similarity model and modified power law model compared 2−18108

sensors, nonelectric *see nonelectric sensing devices*

sensory aids
see also hearing aids
Apple acoustic coupler interface 2−19700
electronic aids for handicapped and disabled 2−7344
optical aids, TV system for assessing visual performance 2−3460
review of priorities for research in external aids 2−17421
text-to-speech system, multi-language, for the disabled 2−17400
typewriter with electronically produced voice for blind or partially sighted person 2−2305
visual prosthesis, image processing algorithms 2−11967

separation
see also desalination; distillation; drying; filtration; isotope separation; magnetic separation
No entries

sequential circuits
see also asynchronous sequential logic
advanced circuits, shift registers and counters 2−24576
combinational circuits, bridging fault tests 2−19639
disco hat letter display system, using sequential logic 2−19635
discrete elements, series-connected circuit, probability of malfunction *(Russian)* 2−9083
fault detection using state register 2−19614
high-speed multipliers, design principles *(Russian)* 2−24575
intermittent fault detection and location, test design 2−19626
intermittent faults detection 2−1444
pulse mode sequential circuits, classification by circuit form, and stability, race and hazard observations 2−14048
test generation for asynchronous sequential ccts., method 2−13271
test generation for digital networks containing MSI circuits *(German)* 2−11358
test pattern generation system for sequential logic circuits 2−1443
testing, functional level test calc. concept 2−803

sequential machines
bipolar PROM, Quad D flip-flops, used for sequential machine operation *(Italian)* 2−9072
test sequence reduction for large state sequential machines through parallel decomposition 2−82

sequential switching
see also asynchronous sequential logic; switching theory
SPC switch design by sequential logic analysis 2−2633

series (mathematics)
approximations of Bayes and minimax risks and the lest favorable distribution 2−24070
circuits, multidimensional nonlinear, Volterra nucleus determ. using nonlinear input signals *(Russian)* 2−24376
convexity problem, radius 2−8640
electric machines magnetic field and transients calc., conf. at Athens, Greece (1980) 2−23240
finite groups modular functions 2−13665
Fourier analysis, innovation 2−4718
Fourier analysis of linear induction pumps/ with concentric windings/ and infinite arrays/ 2−4157
Fourier series methods in nonparametric estimation 2−13485
Fourier series presentation to undergraduate students 2−24048
Jacobian elliptic function Taylor series expansion 2−13664
Lagrangian probability distribs., relation to modified power series distribs. 2−8504
linear induction motor field and force distribution double Fourier series model 2−4150
mathematical model of circuits with rectifier converters 2−28029
Mittag-Leffler for homotopy pro-groups of movable continua 2−19179
moments of a ratio of two positive quadratic forms in normal variables 2−8521

series (mathematics) continued
multiple integral asymptotic expansion 2−13796
no-load voltage of a homopolar inductor alternator 2−4236
nonlinear radio circuits, Volterra nuclei determ. using modified structural matrices *(Russian)* 2−24377
norms of zonal spherical functions and Fourier series on compact symmetric spaces 2−19328
On Fourier series with respect to the Walsh-Kaczmarz system 2−8332
permanent magnet synchronous motor drive with current source invertor, steady-state anal. 2−12978
Poincare series of the U-invariants *(French)* 2−13337
power series, umbralized umbral operators 2−19159
singular Fourier problem 2−4946
Taylor, expansion 2−13663
uniform distribs., infinite convolutions 2−13470
Van der Pol and related equations, series solutions 2−24259
Fe effects on toroidal conductor, magnetostatic field calcs. 2−15609

serrated yielding
No entries

service programs *see utility programs*

services, information *see information services*

servo systems *see servomechanisms*

servomechanisms
buried servos, use in head-positioning system 2−15174
contouring NC, phase-locked DC servo system, processor appl. 2−13117
decentralised and centralised automatic generation control, multivariable servomechanism approach 2−3705
differential optical sensor for magnetic tape tension control 2−7101
disk file servo system, 2000 tracks/inch, using magnetoresistive head 2−15176
electrohydraulic servovalve modelling *(French)* 2−7959
electron beam exposure system, positioning stage driven by hydraulic cylinder 2−14522
electron beam welding, seam tracking using secondary emission 2−8115
electrophotographic system, laser printhead beam power servo for reduction in exposure pot. variation 2−15631
frequency and amplitude stabilization device for a CW CO_2 laser 2−1870
high-torque, permanent-magnet excited FHP motors with transistor control *(German)* 2−7882
hydraulic servos, appl. in flight simulation 2−22609
leak valves, servo-controlled, rate-sensing amp. 2−9003
magnetic discs with interleaved servo positioning *(French)* 2−9859
magnetic recording techniques for buried servos 2−15175
optoelectronic servos, using position sensitive photodiodes *(German)* 2−20743
radioisotopic instruments, servo-compensation method *(Chinese)* 2−22513
servo-components design and build for use in hostile environments 2−12677
tensile testing, servocontrols for automation 2−622
turbine overspeed protection control using variable structure servomechanism 2−12493
valves, proportional piezoelectric electro-pneumatic servovalve design '1981 JACC' 2−15089

servomotors
DC servomotor, velocity controller, design method *(Korean)* 2−27941
exact analysis of a thyristor controlled servomotor with a free-wheeling diode 2−4227
IC motor drive system for daisy-wheel printers and typewriters *(Swedish)* 2−18629
phase-locked loop control schemes of linear and nonlinear DC motors 2−4223
rare earth cobalt permanent magnet synchronous motor, rotor design 2−12625
speed regulator systems design and control algorithms, for tape recorders *(Polish)* 2−2954
track-positioning servos, defect accommodation 2−4245

servos *see servomotors*

set theory
see also fuzzy set theory
absoluteness theorem/ 2−362
algebraic closure and Skolemization, functorial properties 2−8613
Banach spaces, refinement of proximity estimates for two distributed sums of random variables 2−24182
Banach spaces not containing l_1 *(French)* 2−24139
binomial functional equation and related equations 2−24052
book 2−8634
Boolean hypolattices, representation 2−8592
broken-circuit complex structure and factorisation 2−24143
C*-algebras, subcentrality of restrictions of boundary measures on state spaces 2−8611
cardinality of discrete subsets of a topological space 2−13530
cardinality of s-distance subset in real Euclidean space 2−19166
class of $\mathfrak{D}$-extreme Minkowski-reduced forms 2−19207
classes of functions, on approximation of a class by another class and extremal subspaces in L_1 2−8673
classification of a set of class (0,1,n,q+1) in PG(d,q) *(French)* 2−19191
claw-free perfect graphs, minimum covering by cliques and maximum clique 2−24167
cluster sets along arbitrary boundary paths *(Russian)* 2−13556
coanalytic sets, parametrisations, nonmeagre sections *(French)* 2−4829
compact starshaped set, kernel 2−13557
complete bipartite graph, Hadamard conjecture and circuits of length four 2−8622
complexity of representation of graphs by set systems 2−24175
conformal mapping of certain circular polygons onto rectangles 2−8626
conjunctive representations of n-ary relations 2−24187
connected graphs whose maximal subgraphs have at most two orbits, characterisation 2−24169
connectedness in best approximation *(Russian)* 2−24164
consistency of strong partition relation 2−4842
continuity of connected functions 2−13606
convex polyhedron, lower boundedness *(German)* 2−352
convex set lineality space characterisations 2−414
cyclic block designs with block size 3 2−19158
d-space rectangular ranges measure problem 2−13503
deviation of best discrete and uniform polynomial approximants 2−8674
differential equations, interior regularity operators 2−13365
distance matrices and n-dimensional designs 2−24149
distributive lattice 2−8629

set theory continued
dynamical systems from collection of continuous mappings 2−4712
exact constant of approximation in the mean of the Liouville class by entire functions 2−13706
finite abelian group cohesion 2−13512
finite set of intersection theorem 2−24144
finite set partitions order-preserving representations 2−13583
Godel numbering and natural complete set 2−19236
graphs which contain all small graphs 2−19157
graphs whose every independent set has a common neighbour 2−24168
Grassman manifold affine connections 2−8630
group divisible structures, appls. of algebraic duality 2−24028
harmonic analysis of a finite sphere 2−8631
Helly theorem for sets 2−8587
Higman-Sims technique applied to generalised quadrangles 2−19164
homomorphic images of vector lattices, completeness and projection properties 2−13613
hyperbolic partial differential equations, Darboux problem solution 2−13392
hyperinvariant subspace lattice of some Co-contractions 2−13607
hyperspaces of arc-smooth continua 2−13569
incidence matrices of subsets, rank formula 2−8589
incidence structures whose planes are nets 2−24153
indifferent uncertainty 2−13537
iterated forcing and changing cofinalities 2−13525
K-spaces in Boolean-valued models of set theory *(Russian)* 2−4856
Lagrange interpolation processes in countable sets, divergence 2−13705
lattice paths, enumerative problem 2−19160
law of large numbers for random sets and allocation processes 2−24209
lexicographic problems with a polyhedral set of strategies 2−24218
linear sets with positive measures, properties 2−19176
Lipschitz spaces and Suslin sets 2−8606
matrices, radicals of the semigroup of triangular matrices 2−13361
matroids on the bases of simple matroids 2−19161
maximal additive and maximal multiplicative family for the family of B-Darboux Baire one functions 2−13608
measurable subsets covering distances realisation 2−13585
minimal balanced sets and finite geometries 2−4861
monotone trajectories of differential inclusions and functional differential inclusions with memory 2−4848
multisubset lattices, Schensted correspondence and lexicographic matchings 2−8588
nearly Borelian set, measurement of thickness *(French)* 2−4836
noetherian ring, ideal-theoretic conditions 2−13568
nonborel $F_{\|}$-sets *(Russian)* 2−24162
nonlinear contractions in Banach spaces, convex approx. property and asymptotic behaviour 2−4844
nonprime Cohen ring *(German)* 2−360
number theory, role of semigroups 2−13362
on additive partitions of sets of positive integers 2−13558
order decomposition set problems 2−13502
parabolic variational inequalities, appl. of Rothe's method 2−13609
parametric linear optimisation, continuity properties 2−19227
partial orders existence 2−8627
partitions extension 2−13586
Poreda's problem on the strong unicity constants 2−19295
posets and continuous maps 2−19239
positive measure sets, general results 2−19177
preconvex sets and mappings 2−13542
preplay negotiations and the prisoners' dilemma 2−13415
probabilistic anal. *(Italian)* 2−13618
pursuit by several objects, nonlinear differential game 2−24076
pursuit problem with integral constraints on player controls 2−24075
rational solution axioms and efficient sets 2−13418
regular Wallman compactifications of rim-compact spaces 2−19210
rogers-Ramanujan bijection 2−19193
SDRs, formulae for number and symbolic representations 2−24152
semiantichains and unichain coverings in direct products of partial orders 2−8586
semiconvex geometry 2−335
separation axioms weaker than pairwise Hausdorff 2−19178
sequences of binomials, set-theoretical approach 2−24029
shortest paths updating 2−358
Signorini problem in elastostatics, reciprocal formulation 2−13380
singular perturbations in L^P spaces, Dirichlet problem *(French)* 2−13507
splitting properties and jump classes 2−13513
steampower plant, control system synthesis, set theoretic control approach 2−18005
strongly B-solvable lienar regularising algorithms 2−13614
sums of vectors and Turan's problem for 3-graphs 2−24147
suresum existence 2−19174
Toeplitz operators on certain weakly pseudoconvex domains 2−336
topology on regulates of lattice ordered groups 2−13363
translations on ordered sets *(French)* 2−13605
trees, Helly-type property of nontrivial intervals 2−24171
Tyhonov posedness 2−19228
uniquely remotal sets in C(K,X) 2−4875
upper radicals and essential ideals 2−332
Vapnik-Cervonenkis class *(French)* 2−4833
variable dimension algorithms and algorithms using primitive sets 2−13610
Walsh's theorem on interpolating polynomials, extension to rational functions 2−24244

sets (mathematics) *see set theory*

SF_6 insulation *see gaseous insulation*

sferics *see atmospherics*

shear modulus
graphite fibre reinforced Al, US charact. of elastic const. and moduli 2−8887
programmable system for shear modulus and internal friction meas. at very low freqs. 2−26733
SiC discontinuous whisker reinforced Al, US charact. of elastic const. and moduli 2−8887

shear strength
mica flake integrated sheet/epoxy laminates, mech. and elec. props. 2−13860
CrN-Au die attach metallization system 2−14808

sheathing, cable *see cable sheathing*

sheaths, plasma *see plasma sheaths*

shielding
see also magnetic shielding; radiation protection
arcsprayed metal coating, for EM/RF interference shielding 2−593
ballistic vehicle heatshield testing, reentry roll torque meas. using skin friction balance 2−22628
BWR irradiated fuel, neutron emission anal. and meas. 2−7651
carbon fibre composites, RF characteristics, elec. resist meas. for freq. range DC-300 MHz, screening performance, app- l. in aircraft EMC problems 2−6345
cinefluorographic and fixed imaging systems, sterile radiation shield 2−7360
electric field penetration behind screen in nonstationary conducting medium 2−10410
electronic data processing equipment, interference and prevention methods *(French)* 2−15736
electronic equipment generated EMI, shielding 2−25973
ELMO Bumpy Torus proof-of-principle device, one-dimensional γ-ray and photoneutron shielding calc. 2−3514
EM, interleaving cavity resonances for shielding enhancement in topologically definable spaces 2−25988
EM noise problems, screening, suppressors and correl. techniques 2−10525
EM screen, planeparallel rectangular, analysis *(German)* 2−25968
EM screens, synthesis of lumped parameter equiv. ccts. 2−2168
EMP shielded enclosure, effectiveness of metallic honeycombs 2−25987
enamel coated braided cable, SGEMP response and shielding effectiveness 2−14328
filled composites and coated plastics, shielding effectiveness 2−21155
flat cables for electrostatic discharge and EM interference reduction 2−9260
HEMP field penetration into an ideal shelter without a floor through a lossy earth 2−25981
instruments earthing, shielding and interconnection, conf., London, England (Jan. 1982) 2−23900
low freq. electromagnetic penetration of loaded apertures 2−15758
multiconductor braided shields, effects of grounding techniques on isolation to EM waves 2−21159
neutrons and photons duct streaming 2−11684
nuclear power plants, radiation exposure minimisation by preventive maintenance 2−17839
nuclear power station explosive dismantling practicality *(German)* 2−12369
proton accelerator shielding, equiv. radiation dose, personal neutron film monitoring 2−11851
RFI and screening requirements on electrical and electronic equipment 2−26013
satellites, nuclear weapon vulnerability assessment using NHEP-S, classification, categorisation and screening 2−17448
Savonius wind turbine shielding aerodynamic performance 2−12574
transmission line modelling of shielded wires for crosstalk prediction 2−15747

shielding, magnetic *see magnetic shielding*

shift register sequences *see binary sequences*

shift registers
see also logic circuits
advanced sequential circuits, shift registers and counters 2−24576
C-CD memory using multilevel storage, encoding and decoding circuits 2−24523
CMOS high density integrated shift registers *(Italian)* 2−14051
conveyor, charact. *(Russian)* 2−24467
digital random pulser based on linear feedback shift register for nuclear instrumentation 2−3422
drift chambers, multiple time digitizers and trigger system 2−3389
Fairchild F100136 ECL counter/register IC, operation and appls. *(German)* 2−19749
integrated Schottky logic ccts., radiation response 2−14060
J/K flip-flop, least sensitive scan design testable, using shift registers 2−5225
keyboard type, for use with encoder *(Italian)* 2−9126
LED flat picture-display driven by digital video signal using time-division method *(Japanese)* 2−17058
linear feedback shift registers, exhaustive test patterns 2−9050
magnetic bubbles, elliptical, propag. 2−15228
multichannel pseudo-random sequence generator for IC testing *(Russian)* 2−22289
multiplexed CODEC using shift register storage, voice line appls. 2−26320
multiplexer appl. as clocked shift register 2−5187
pseudo-random bit sequence noise sources, using recirculating shift register 2−7114
pseudo-random byte generator 2−5190
semiconductor memories, book 2−23876
shaft encoder resolution, simplified multiplier cct., using multiplexer, shift register, logic gates *(Italian)* 2−9188
signal generator, pseudo-random, as standard CAMAC module *(Russian)* 2−24445
signal transition detection using clocked level sensitive scan design latches 2−5173
T-bar toggle switch, for mag. bubble domain transfer between shift registers 2−9869
trigger array using shift register latches 2−5202
VLSI self-testing by polynomial division [VLSI testing] 2−20380
Walsh spectrum measurement in natural, dyadic, and sequency ordering 2−26110
Si, amorphous, FET, application in integrated circuits 2−5805

ships
see also navigation; radio direction-finding
ant.submarine warfare equipment development, oceanographic parameters 2−6859
automatic electronic autopilot systems *(Italian)* 2−6865
availability and functional performance requirements of warships 2−138
chemical tankers, design and construction 2−23690
communication systems automatic control equipment 2−26443
deep-running submarines, blue-green laser satellite strategic communications feasibility 2−2743
digital modular communication system ICS3 military appl. 2−21442
electric plant supervisory control system for warship 2−13039
electric propulsion, technology development, review 2−13038

ships continued
EMC problems, MOM technique assessment 2−25986
fishery factor, radiocommunication/echo sounding system *(Polish)* 2−6787
global satellite communication system, multibeam antenna phased array for OTS platform 2−2732
H6702 tactical internal communication system for small naval ships 2−21441
Hungarian maritime satellite communications, current situation and development trends *(Hungarian)* 2−21775
INMARSAT telecommun. system, shipborne equipment standards *(Polish)* 2−6803
jamming signals, optimal windows for spectral measurements in noisy environments 2−21361
maintainability improvement, built-in-test design guidelines for hull, mechanical and electrical systems 2−22117
marine electromechanical drive systems, digital simulation 2−13040
maritime radiocommunications in Italy, legal aspects *(Italian)* 2−6771
microcomputer for rail vehicles and ships, Brown Boveri MICAS system *(German)* 2−4403
military shipborne satellite communication terminal 2−16437
Mitsui advanced turbogenerating system for waste heat recovery in motor ships *(Japanese)* 2−28154
NADCON, ship solid gain AR autopilot, comparison with PID autopilot *(Japanese)* 2−2852
Navy machinery testing and monitoring, R&D approach 2−22142
power line transients, US Navy long-term monitoring findings 2−22930
power plant reliability data flow control by man-supervision system 2−4005
power systems, energy saving potential 2−8187
radiated noise, use of averaged power spectrum for recognising objects 2−22448
radioteletype systems, narrowband, PACT 200 *(Polish)* 2−2471
satellite appl. to surveying and ocean navigation, Transit development 2−6866
satellite communication antennas, control analysis for direct mechanical stabilisation 2−10588
spot welding machine with multielectrodes, for building ships decking 2−28300
steam-to-steam propulsion conversions for improved fuel economy 2−23691
structural mechanics computation, review and development *(Chinese)* 2−13647
submarine communication systems, blue-green laser/satellite links, military appl. 2−6774
surface-effects, dynamic motion of air seals meas. using laser ranging device 2−22221
thyristor power circuit for shipyards *(Russian)* 2−28028
VTOL landing guidance, shipboard, navigation performance evaluation 2−17484
wave power for propulsion 2−28190
wave profiling system for surface effect ship 2−22743

shock, thermal *see thermal shock*

shock control
No entries

shock measurement
aerospace industry test methods advances, conf., Indianapolis, IN, USA (April 1981) 2−22654
detonation, using carbon and quartz gages in tandem arrangement 2−22434
multichannel data acquisition and processing system for blast and thermal environments 2−22197
remote-arming signal amplifier for thin film shock-sensor 2−5126
shock parameters meas. with noncontacting fibre optic lever vibration transducers 2−11444
time-domain reflectometry, CORRTEX system, nuclear explosions meas. appl . 2−22094
Fe rich amorphous alloys, stress-mag. effects and shock-stress sensors with no power 2−20523

shock tubes
see also shock waves
No entries

shock wave effects
CO chemical laser from supersonic CS-S-O_2 mixture in shock tunnel 2−15449

shock waves
see also explosions; plasma shock waves; shock tubes; shock wave effects
blast pressure meas., near-field 2−11479
dielectric liquids, hydrodynamic shock wave propag. after elec. breakdown 2−5838
holographic flow visualisation of time-varying shock waves 2−2029
interaction with turbulent boundary layer in wind tunnel, by laser anemometer 2−11997
magnetic bubbles interaction with elastic shock waves induced by laser pulse 2−15148
self-sustained, on spiked body, flow visualisation and data analysis 2−12003

shocks, electric *see electric shocks*

short-circuit currents
6 kV mains supply, compensation of capacitive short cct. currents, reactor design *(Russian)* 2−3785
6-10 kV circuit breakers, performance improvements *(Russian)* 2−4307
6-10 kV rural supply networks, fault indicator effectiveness *(Russian)* 2−12239
35 kV air blast breaker interrupting capacity against short ccts., tests 2−4313
300 MW turboalternator, short cct. tests on dynamic torsional response 2−4025
300 MW turboalternator, torsional oscillations damping anal. and obs. 2−4026
800 MW generator bus-bars phase-by-phase screened 3-phase current conductor electromagnetic field numerical anal. 2−27870
1000 V electrical equipment with grounded neutral, protection devices *(Russian)* 2−3787
algorithm for load protection of superconducting cable 2−12261
analysis of electrodynamic stability of self-supporting conductors *(Russian)* 2−17767
asymmetrical short-circuit currents calc. *(German)* 2−27455

short-circuit currents continued
asynchronous generator with short circuited rotor, rectifier-fed, in independent power supply systems, anal. 2−4142
asynchronous generators, self-excited, transients in sudden three phase short circuits 2−27911
asynchronous machine drive with short circuited stator, braking modes investigation 2−18640
asynchronous machines, diagnostics, math. model estimate appl. *(Polish)* 2−18236
asynchronous machines, with rotor tall bars, transient parameter determination *(Rumanian)* 2−27905
bridge circuits, 3-phase, characteristic short-circuit currents computation *(German)* 2−28008
brush arcing in DC motors and generators, causes and prevention *(German)* 2−27937
changes concerning co-ordination of cartridge fuse and cable ratings, UK wiring regulations 2−53
circuit breakers, LV, automatic, specific energy determining test methodologies *(Italian)* 2−7943
circuit breakers testing *(Hungarian)* 2−18375
computer curtailed graphic planning of distribution system, MALAZEI program *(German)* 2−27436
condensation thermography technique for short circuit location and surface temp. determ. in semiconductor die 2−9598
cryoturbogenerator nonsteady-state electromagnetic field in presence of abrupt three-phase short circuit 2−27882
cryoturbogenerator rotor shells, EM forces and losses, two-dimens. model 2−18159
desynchronised synchronous machine, two-machine set, contactless, differential equations of generalised mathematical model 2−27897
distance protection, microcomputer appl. *(Russian)* 2−3786
distribution networks, frequency of occurrence and magnitude determ. using automatic counter *(Slovak)* 2−3041
EHV transmission lines, back-up protection equipment adjustment computing *(Czech)* 2−17770
electric drives, complete subsystem convertor cascade with 6/12-pulse feedback system, digital simulation 2−23665
electrical protection of face mining equipment, UK practice 2−17766
electrodynamic forces in frontal parts of stator windings under fault conditions *(Russian)* 2−23296
electromagnetic and thermal processes in a turbogenerator stator core with shorting of active steel laminations 2−4033
fuses, automatic evaluation device for short-circuit tests *(Czech)* 2−24775
generator transformer operation, circuit breaker effects *(Polish)* 2−12701
high reactance transformer, anal. *(Polish)* 2−18302
high-power thyristor for power electronics, its design and characteristics *(German)* 2−5739
high-speed all-implanted bipolar technology, emitter-collector shorts and leakage reduction 2−20385
HVAC transmission planning and related problems 2−12229
IEE wiring regulations, back-up protection in final circuits 2−22949
indoor switchgear busbar design, electrodynamic stability under short circuit conditions *(Russian)* 2−28060
induction motor, shaded poles, stator mag. flux, vector diagram 2−4136
induction motors, 3-phase with current-displacement rotor, symmetrical component method 2−7850
induction-motor contributions, calc. 2−12654
industrial AC/DC power systems anal. 2−3743
interactive short circuit system 2−27393
linearization method for determining the effect of loads, shunts and system uncertainties on line protection with distance relays 2−12286
LV air cooled power transformer, cast-in coils, combined stress due to electrodynamic and mechanical forc-es caused by short-circuits and temperature differences respectively *(Slovak)* 2−7891
LV networks short-circuit magnitudes measurements *(German)* 2−22772
LV switches short cct. rating *(Italian)* 2−985
MIS solar cells, computer-aided anal. of short circuit current, spectral response meas. appls. 2−23464
moulded case circuit breakers, electric motor control appls. 2−7957
moulded case circuit breakers for overload and short cct. protection, new regulations, UK 2−7951
no-load sudden, 6-phase synchronous gnerators, analysis 2−18179
non-symmetrical shortcircuits in medium voltage networks with resistance earthed neutrals *(Rumanian)* 2−12285
optical transmission alongside power cable, test results *(Norwegian)* 2−26500
outdoor, 420-kV bus structure mechanical behaviour and short-circuit conditions *(Italian)* 2−27957
PAN, program system for network planning *(German)* 2−27434
photovoltaic arrays, effects of cell sorting and module matching on array output 2−23554
power distribution systems, short-circuit current calc. *(German)* 2−27456
power MOS transistors application and protection in inductive load switching 2−25252
power supply network calculations *(German)* 2−27454
power supply reliability maintenance methods and equipment 2−27377
power system load behaviour under short cct. faults, field tests 2−12152
power transformer windings under axial short cct. conditions, dynamic response anal. 2−27976
power transmission line transient voltage computation during distance fault switching *(German)* 2−17689
relay protection, effect on loads, shunts and system uncertainties on short circuit relays settings 2−17670
Si n^+-n^--p^+ rectifier junction, induced short circuit currents 2−9484
solar cell, high-low emitter, in concentrated sunlight, analytical model 2−18485
solar cell, series resistance, meas. method 2−4346
solar cell spectral response, effect of minority carrier mobility variations 2−23563
solar cells, polycrystalline, grain boundary passivation effects 2−23623
spurious protection operation in open-cast mining and quarrying power networks caused by circuit oscillations methods of avoidance *(Russian)* 2−27485
squirrel-cage motors measurement principles and star and triangle connection formulae *(German)* 2−23290
superconducting magnets, shorted turns, safety consequences 2−5965
synchronous generator out-of-phase interval during short-circuit fault as source of protection *(German)* 2−4052
synchronous generators, superconducting, transient charcts. determ. 2−27895

short-circuit currents continued
synchronous machine, salient pole, with dampers, short cct. behaviour anal. 2−7820
synchronous machine normal and low freq. short-circuits evaluation 2−4090
synchronous machine with damper winding, two-phase short-circuit model 2−19363
three-phase bridge clct. with thyristor convertors, characts. 2−4294
three-phase short circuits, phase control limits *(Slovak)* 2−18324
trouble detection for transformers on short circuits 2−12702
underground coal-mine power system, computer-based protection relaying scheme 2−17776
underground mining low-voltage mains systems, short-circuit current determination *(German)* 2−18838
Cu_2S-CdS sprayed backwall solar cells for terrestrial appls., reliability 2−23544
Cu_2S-CdS sprayed solar cells, losses 2−23543
Si p^+-n-n^+ concentrator solar cells, characterisation 2−18568
Zn (Cu) electrorefining plants, energy saving in non-ferrous tankhouses by IR detect. of short-ccts. 2−18797

shot noise *see random noise*

Shubnikov-de Haas effect *see magnetoresistance*

Si-Ge alloys *see Ge-Si alloys*

SIC *see monolithic integrated circuits*

signal acquisition *see signal detection*

signal coding *see encoding*

signal delay lines *see delay lines*

signal detection
acoustic signal parameter estimation techniques and results 2−26139
adaptive noise-like signal receiver with optimal weights, characts. and loss of noise immunity 2−10698
adaptive rank-type sequential detector 2−2353
adaptive signal detection in fluctuating noise, general detection and estimation theory 2−26138
additional data channel using PSK preserving compatibility of AM broadcasting *(German)* 2−10623
analogue matched filters for detection of PN-PSK coded signals 2−6456
analogue signals, bipolar edge detector *(German)* 2−11439
asymptotic memoryless detection of random signals in dependent noise 2−6443
automated dual freq. signal strength surveying and mapping equipment 2−26451
automatic recognition of signals, spatial interference *(Russian)* 2−21348
bipolar transitions detector, using flip-flop, exclusive OR gate *(Italian)* 2−21333
box car generator and integrator for sampling and measuring digital signals *(Spanish)* 2−26792
cepstrum analysis theory and appl. 2−10684
coherent fluctuating signals, buried in nonstationary interference, multichannel sequential detect., students statistics appl. 2−15918
coherent light, after nonlinear amplification 2−6468
continuous tone-coded squelch system implemented in an eight-bit microcomputer 2−6462
cross-correlator for signal detection/estimation in noise, optimum and sub-optimum filters, comparison 2−2343
crystals, magnetically ordered, use to detect weak signals 2−25441
data signal transition detector circuit 2−10686
detection of pulse edges *(German)* 2−2323
deterministic, under Markov interference, using rank binary rule 2−2347
DFT and MEM spectra, comparison of properties by simulation experiments 2−6439
digital communication equipment bit error rate determ., using extrapolation technique 2−6428
digital communication systems, signal detection problems, error probability calcs. using Fourier-Bessel series 2−2331
diplexer, Martin-Puplett interferometer, Gaussian optics and design 2−16468
discrimination efficiency in a receiver with a chrominance indicator, analysis 2−2356
discrimination of lognormal processes that differ in variances 2−6451
electronic intelligence receivers, microwave freq. sources, low-noise types, PLL appls. 2−16500
envelope detection in CTD multifrequency tone receivers 2−6453
equivalent-time signal acquisition and processing, in presence of stationary additive noise 2−15879
false alarm rate and false alarm number for discrete and continuous time sampling 2−21855
false-alarm probability for detection of pulse signal packet 2−26135
Fourier transform optical system, electro-optical filter for rotationally invariant objects detection *(Russian)* 2−1747
frequency hopped quadrature modulation, coherent detect. in presence of jamming, QPSK and QASK 2−15888
frequency hopped quadrature modulation, coherent detect. in pressure of jamming, QPR class I modulation 2−15889
frequency hopped spread spectrum signals, comparison of schemes for coarse acquisition 2−6752
frequency-hopped QPSK and QASK systems, coherent detect. with tone and noise jamming 2−10646
incoherent radio signals buried in Markov interference with unknown parameters 2−2355
integrated optical components and circuits for space applications 2−3563
interference analyzers tangential sensitivity measurement and signal correction in the presence of high ambients 2−22383
isolation amplifiers for analogue signal processing appls. 2−8992
linear diode detector of CW AM signals, analysis of steady-state mode 2−10695
lock-in amp. using a 4-quadrant analog multiplier and a PLL 2−6445
LOG-T adaptive detector, performance analysis *(Italian)* 2−11110
Loran-C system appl. 2−3239
M-ary signaling with correlation receivers, worst case interference 2−21334
masking signals, design criteria 2−10703
mobile radio, fast fading, digital PLL with phase-step input, perform. 2−11004
multichannel system, two-step search for signal 2−2346
near optimum delay-line detection filters for serial detection of MSK signals 2−2361
noise alone reference AGC, adaptive detection of nonoverlapping signals in noise 2−2337

signal detection continued
noise disturbed signal statistic mediator *(Rumanian)* 2−2328
noise tolerance improvement through the transmission of multilevel coded signals 2−6455
noise type signal detector immunity to concentrated noise, two sided space contrast principle 2−25991
nonparametric sequential tests for signal detection 2−15881
nonstationary measurement noise identification in linear systems 2−21336
on differential detection of partial response continuous phase modulated signals 2−2360
optical communication, quantum theory, tapping of fibre optic links to elude detect. 2−15959
optical heterodyne receiver, fundamental props. 2−11091
optical radar, time position of variable-length pulses, meas. accuracy 2−2835
optimal coherent reception of digital data in fluctuation, concentrated, and pulse noise 2−2351
partially coherent optical signal field detect., heterodyne system with coherent Gaussian local oscillator 2−21849
phase random multipath ocean acoustic fluctuations, memory detection models 2−2842
phase-amplitude modulated signal reception, noise immunity and dynamic error estimation 2−10700
Poisson stream parameter eval., optimal use of data transfer channel *(Russian)* 2−2320
pseudo noise acquisition algorithms, variable and fixed dwell-time, comparison 2−2362
pulse-time-modulated signal reception in microwave and optical wavebands, max. S/N ratio 2−15917
quantum signal detection by mismatched receiver 2−2321
quasioptimal algorithm for detecting signal flux 2−15912
radar, double threshold, adaptive false alarm regulation 2−6848
radar, Swerling I target detection probability analysis, on two correlated obs. 2−6853
RF signal acquisition, receiver tools 2−2827
robust detection of known signals in asymmetric noise 2−21335
satellite channel, transpondser nonlinearity effects on SFSK and MSK, comparison 2−2765
short pulse detection in low freq. voltage waves *(Spanish)* 2−15914
signal-pulse-noise detection error evaluation in envelope detector with logarithmic compression 2−15840
sonar signals mismatched filtering, weighted replica lengthening 2−6862
speech signal detection in the presence of RC Gaussian noise *(Croatian)* 2−10665
spread spectrum acquisition strategies 2−6463
spread-spectrum receiver, dynamic perform. of delay lock loop code synchroniser in noisy conditions 2−16398
structured estimation, multivariate probability density estimation 2−15882
synchronous detection by analogue and digital systems as classroom demonstration 2−15886
synchronous detector for system receiving low power radio signals from celestial sources *(Spanish)* 2−15913
telephone line control signals detect. cct. 2−10775
truncated nonparametric sequential test, distrib. of random walk 2−26119
TV Nyquist demodulators, VSB envelope detection limitations 2−26605
weak signal detection in non-Gaussian noise zero-memory nonlinearity prior to matched filter 2−10689

signal generators
see also function generators; noise generators; ramp generators; swept-frequency oscillators
D/Z convertor for audio signal generators *(German)* 2−24563
digital signal generator for low distortion waveforms of precise frequency, microcomputer based 2−9014
FET dip oscillator, 1.6-215 MHz with tone dip feature 2−26865
Fluke 607/71A 16 Hz synthesised signal generator 2−7111
HF signal generators with low phase noise, design principles and test methods *(German)* 2−3172
in-line word address true/complement generator 2−24425
Matsushita VP-8178B standard signal generator for testing of AM/FM multiband radio receivers 2−7115
microcomputer controlled analogue signal generator 2−9015
microwave signal generators with low phase noise, design principles and test methods *(German)* 2−3172
MOS tone generator, digitally controlled organ appl. *(German)* 2−11275
multi-frequency tone generator for microprocessors *(German)* 2−24424
multichannel pseudo-random sequence generator for IC testing *(Russian)* 2−22289
periodic signals of particular shape and nonlinear distortions, generation *(Polish)* 2−9017
Programma 2 RF generator constr. details, calibration 2−24426
programmable, high quality for receiver characterisation 2−16996
Programme-2 synthesized RF signal generator 2−11500
pseudo-random, as standard CAMAC module *(Russian)* 2−24445
RC sinewave generator *(German)* 2−5134
sinewave generator for low frequencies *(German)* 2−9023
SMS programmable signal generator for frequency range 0.4 to 1040 MHz 2−26864
solid-state microwave signal generators, energy characteristics 2−952
staircase, characts. *(German)* 2−19579
word/data generators, digital ATE, techniques and appls. *(German)* 2−26721

signal processing
see also acoustic signal processing; bandwidth compression; correlation theory; data compression; filtering and prediction theory; picture processing; signal detection; signal synthesis; Walsh functions
acousto-optics potential in instrumentation, overview for 1980s 2−6071
acoustoelectric SAW devices for signal processing, convolver, memory correlator and coherent integrator 2−1543
adaptive digital filter, sinusoidal noise canceller 2−19805
adaptive digital filters, to remove interference 2−6457
adaptive filters as signal processors at microwave freqs., operational characts., appls. 2−14201
adaptive phase array antennas, signal processing, depth of signal suppression for finite spectral width 2−2220
adaptive transversal filter, stationary characts. 2−21355
amplitude probability density function measurement using fast Fourier transform *(Japanese)* 2−15916
analogue level stabiliser for noise-distorted signals, digital modelling *(Russian)* 2−26114
analogue signal commutator, anal. of static error *(Polish)* 2−15908

signal processing continued
analogue signal processing, appl. of SAW devices 2−25411
analogue signal processing, VHSIC challenge 2−2345
analogue signal processing using digital techniques *(German)* 2−15877
analogue signal processors, matched and adaptive filtering for spread spectrum communications 2−6456
analogue signature anal., real-time test technique, discrete-time signal processing, 200 Hz to 3 MHz 2−16789
asymptotical inversion of non-singular digital symmetrical polynomial transfer functions 2−26129
asymptotically minimax estimate, for mean of normal population 2−15911
audio signal processing, digital filters, props. and advantages 2−16891
audio signals in radio broadcasting studios 2−26574
audio spectrum analyser using programmable array logic 2−16895
auditory brainstem responses, analogue and digital filtering 2−3501
azimuth measurement by means of optical detector arrays, using heuristic algorithm 2−11417
bandwidth requirements *(German)* 2−15880
baseband processing, modulation, multi-access techniques for satellite communications 2−21792
bispectrum and higher-order spectra, bibliography 2−6452
brainstem auditory evoked pots., Bessel filtering 2−3489
brainstem evoked response audiometry, technical aspects of stimulation, recording and signal processing 2−11934
brainstem response audiometry, problems in analogue filtering 2−11939
brainstem response audiometry, waveform variation anal., FFT and inverse FFT appl. 2−11938
causal shift-variant system excited by causal inputs, characterisation 2−6430
CB 27 MHz FM receiver, speech processor 2−6777
charge transfer device implementation of fast Walsh-Hadamard transform and FFT 2−15887
chroma-key systems in digital TV 2−16547
code division multiplexed parallel data transmission systems for voice frequency channels 2−6478
colour TV receiver, digital video signal processing, meas. for improving picture quality *(German)* 2−21939
constant envelope signalling with reduced spectral sidelobes 2−2251
continuous-time analogue signal reconstruction from sign of noisy samples, use of nonlinear estimates 2−10687
Contronic 3 automation system, centralised monitoring subsystem *(Italian)* 2−16889
convergence of iterative nonexpansive signal reconstruction algorithms 2−6437
convoluted signals, effectiveness of fast method for direct computation of aperiodic convolution 2−21357
convolution transforms *(Slovenian)* 2−6424
Cooley-Tukey algorithms for evaluation of multidimensional discrete Fourier transform 2−4974
CPSK signals fading, in Gaussian and impulsive atmospheric noise environment, error probability 2−6429
cross-ambiguity function, specified amplitude and phase 2−21356
cumulation methods of signal processing *(Czech)* 2−26126
custom designed digital filter, FAD 2−16914
cyclic recurrence, discrete model formulation *(Russian)* 2−21351
data signal correl. anal. for attenuation and group delay calc. *(German)* 2−10682
data transmission employing class 4 partial response coding and SSB modulation, effect of channel filtering 2−15812
DC ocular rheography, microprocessor-controlled differentiator for signal processing 2−11927
deconvolution of signals from scientific meas. instruments, data enhancement and analysis 2−11993
differential Doppler shift meas. 2−21342
differentiation, higher-order, for fine-resolution spectra and other electric signals *(German)* 2−3105
digital, display enhancement for seismic interpretation 2−10685
digital, high-speed GaAs IC implementations 2−24578
digital, interleaved-trace time-compression radar display 2−6856
digital, median filtered sequences of independent data, second moment props. 2−2332
digital, target detection in FMCW radar 2−2818
digital all-pass transfer function with all possible coefficient combinations 2−19798
digital audio studio technology *(German)* 2−6957
digital convolver using Number Theoretic Transforms 2−5298
digital filter banks, nesting implementation 2−24610
digital filtering and level detection, MOS IC design 2−5290
digital integrator design, FIR compensator approach 2−846
digital processing front end for storage capability in CROs 2−17012
digital signal processing, appl. of computational complexity theory 2−10617
digital signal processing, using 12 bit NMOS array multiplier-accumulator 2−14090
digital signal processing in communications, conference, Loughborough, England, April 1981 2−19
digital signal processor implementation of precise freq. determ. using adaptive filtering 2−6461
digital signal processors for TV receivers, LSI ICs *(German)* 2−11198
digital signal repeating using digital feedback *(Czech)* 2−16316
digital storage oscilloscopes, signal processing and curve generation *(French)* 2−7149
digital TDM to FDM convertor, transmultiplexer 2−10734
digital tone receiver, digital signal processor implementation 2−6655
digital TV receiver, design, charact. *(Spanish)* 2−16599
digital video signals *(Dutch)* 2−15874
direct G/T measurement using satellite signals 2−17088
distant moving target, polar coordinate meas., quasioptimum filtering in laser device *(Russian)* 2−26542
dynamic processing of audio signals 2−15873
dynamic programming appl. 2−2330
ECG, P-wave removal method, His bundle activity study appl. 2−27183
ECG, QRS features, method for evaluation using a math. model 2−3494
ECG signal compression-reconstruction method 2−3498
eddy current inspection 2−8933
EEG intervals, spectral decomposition using Walsh and Fourier transforms 2−17383
electric drive, applic. of digital signal processing *(German)* 2−12968
electronic components, instruments and troubleshooting, book 2−4572
ELF/VLF impulsive noise, anal. and modelling 2−21330

signal processing continued
EMGs, processing for computer anal. 2−3496
equivalent-time signal acquisition and processing, in presence of stationary additive noise 2−15879
ESM receivers based on SAW channelizer 2−2828
evoked potential enhanced resolution, constrained deconvolution 2−17390
evoked potential research, appls. of filtering and pattern recognition 2−22559
evoked potential research, signal processing, averaging and modelling 2−11923
extrapolation for signals with finite total energy and limited bandwidth *(French)* 2−10679
extrapolation of band-limited signal problem, observations 2−15901
fan filters, inherently stable, design technique 2−24609
fast computation of Fourier transform at arbitrary frequencies 2−2335
fast converging stochastic gradient algorithm 2−2342
FFT algorithm and digital processing unit *(Rumanian)* 2−19391
FFT base 4 with const. structure, algorithms 2−2350
FFT coefficient errors, results of deterministic analysis 2−4976
FIR and IIR filtering, VLSI structures and algorithms 2−21362
first-order 2-D all-pass network realisation 2−5294
flow signal conversion meas., digital processing methods *(German)* 2−22439
FM spike noise and modulation theory 2−2244
frequency analysis of signals using integral transforms *(Czech)* 2−26127
Gaussian maximum likelihood estimator, decentralization, applications to passive array processing 2−2336
generalised discrete transform, residual correlation 2−26111
generalized correlation measures for use in signal and image processing 2−15921
gigabit electronics appls., signal processing, Josephson technology, monolithic ICs *(German)* 2−5783
hybrid transforms, fast computation of complex convolution 2−544
impulse response arrays of discrete-space systems over a finite field 2−21339
infinite impulse response o/p-decimating state-space digital filter 2−5296
initial synchronisation of high time-bandwidth product signals *(German)* 2−21360
integral properties of spectrum function for freq. anal. of signals *(Czech)* 2−15915
interpolation for DAC in PCM transmission systems for colour TV 2−6905
jamming signals, optimal windows for spectral measurements in noisy environments 2−21361
JTIDS and GPS integration for enhancing position reliability 2−6876
large area hybrid module, for ultrahigh-speed avionics signal processors 2−24843
laser transit anemometer with 5 ns correlator processor, for wind tunnel meas. 2−11994
light wire communication *(German)* 2−10691
linear systems, fast calculation of impulse response without multiplications 2−2325
LSI digital signal processor 2−19757
LSI digital signal processor tailored to voice synthesis, fabrication by NMOS technology 2−7065
M-ary and spread spectrum, appls. to laser communications 2−26509
magnetostatic forward volume wave reflective dot arrays 2−15217
Markov chain driven signals, mean power spectral density 2−10688
masking signals, design criteria 2−10703
max. entropy spectral estimation using analytic signal approach 2−6440
maximum entropy and spectral estimation, review 2−15896
maximum entropy power spectrum estimation of signals with massing correlation points 2−15905
measurement device design for means and variances of random signals 2−26108
micropower filter for rejection of monophasic and biphasic artefact and noise 2−3497
microprocessor-based meas., statistical errors correction *(Czech)* 2−16751
minimum phase signal reconstruction from phase or magnitude, iterative techniques 2−15897
Motorola's Chroma III multistandard TV colour processing system 2−2909
moving target selection systems, intersurvey signal correlation 2−26521
multi-channel systems digital signal processing using frequency division of channels 2−26172
multiband dynamic processing of audio signals, selective gain control appl. 2−26671
multibeam antenna arrays, algorithm for signal processing 2−21240
multichannel system, two-step search for signal 2−2346
multifunction digital signal processing chip, 40 MHz, using NMOS technology 2−19758
multilevel coded signals transmission, noise tolerance improvement 2−6455
multiply tapped SAW convolvers, mismatch losses calculation 2−15093
music processor, providing switch-selected musical effects 2−16699
narrow band random signal mean frequency measuring method using ternary signal auto correlation function *(Japanese)* 2−22344
NMOS array multiplier compact, with inverting full adders 2−5183
noise resistance improvements in weighting methods *(Russian)* 2−21337
noise spectral intensity meas. in sampled-data systems, correlation method appl. 2−16912
nonlinear echoes, phase conjugation, time reversal, and electronic holography, review of expts. 2−26118
nonlinear TDMA environment, pulse shaping techniques performance 2−2252
nonrecursive digital processor for filter arithmetic, NMOS LSI 2−5260
normal random signals, nonlinear transformation, correl. function. of output voltage 2−15920
on-board advanced signal processing for satellite communications, cost performance implications 2−11030
operational amplifiers handbook 2−13144
PAL-decoder for video signal processing *(German)* 2−26613
partial response multi-h phase codes, spectral calc. 2−2326
passive array meas., applns. to source localization and tracking 2−21856
periodic signal spectra, dynamic features, Kotel'nikov series representation 2−10701
phased-array radar ELRA, target detection 2−6857
physical coding of multivalued signals *(Russian)* 2−2257
piezoelectric crystals, acoustic wave types for freq. control and signal processing 2−1510
PLLs upconvert chirp radar signals 2−2826

signal processing continued
Poisson transform, appl. to signal processing 2−6458
polarisation-vector processing to increase detection capability of a radar system 2−2816
PRF pulse Doppler radar using FFT signal processor, target detection charact. 2−11116
programmable digital signal processors, voiceband modem implementation techniques 2−7066
proportional counters, background rejection using guard cathodes 2−11796
PSK modem receivers, digital signal processing realisations 2−2585
pulse signals, position in time meas. in limited passband channels, error anal. *(Russian)* 2−26124
pyroelectric vidicons *(Japanese)* 2−5515
quantisation systems with stochastic reference, general props. 2−9196
radar signal processing, comparison of digital, CCD and SAW technologies 2−2829
random and non-random functions, appls. to signal theory *(French)* 2−21354
random pulse processes, correlation props. *(Russian)* 2−21347
random pulse removal from transmitted logic signal 2−6631
recursive IIR filter realisation *(German)* 2−19793
recursive polyphase networks, appl. to multirate filtering and digital filter banks 2−5297
recursive polyphase networks with optimum magnitude and minimum phase design 2−6449
residue-to-decimal convertor 2−19754
rotated digital filters, effects of quantisation errors 2−5292
rotation of a two-dimensional sampling set using one-dimensional resampling 2−15906
SAD appls. and manufacture in India 2−5878
sampled 1st-order low-pass filtered white noise, spectral distrib. 2−2327
sampling histogram 2−21859
sampling rate reduction in multichannel processing of bandpass signals 2−26115
sampling theorem for random processes and fields 2−21353
SAW channelized receivers for electronic warfare, contiguous filter bank 2−16499
SAW chirp filters, signal processing appls., overview 2−1542
SAW convolver/correlator, design and development 2−25415
SAW dispersive delay lines, temp. dependences 2−9847
SAW storage correlator for signal processing 2−1540
SAW technology for freq. sorting receivers 2−1541
separation of two close echoes by power cepstrum *(French)* 2−10680
sequential signal processing system in channels with memory, decision feedback effects on noise immunity 2−10699
signal recognition from Karunen-Loew features determ. by energy spectrum *(Russian)* 2−26123
signal recognition from spectrum on basis of digital experimental functions *(Russian)* 2−26122
signal representations in the time and frequency domains 2−10692
single-mode fibre recirculating delay lines, filter response 2−25499
slow-scan TV, received signal processing 2−16635
solid-state circuits conference, Freiburg, Germany (Sept. 1981) 2−18869
spectral estimates, two-dimensional minimum-bias window function 2−26133
SPREAD SPECTRUM signals, description as stochastic processes 2−6454
standard IIR digital filters, CAD and anal. 2−24612
statistical analysis, based on common unit (quantum) *(French)* 2−26121
steady-state signals sampling, meas. errors *(German)* 2−10611
step voltage generator and CODEC-high pass filter produces sinusoidal signals *(German)* 2−2324
strip line-implemented baseband signal processor for data and dock regeneration of PQM 2−10690
superposed filtered renewal process, waveform estimation 2−21358
synchroniser charact. *(Russian)* 2−2322
systolic arrays 2−21363
target designation, optimal techniques 2−6849
television picture component coding system, experimental 2−21911
third-order intermodulation due to quantization for digital processing of input consisting of strong signal and weak signal 2−2333
time domain parameters chronometric system 2−2815
time sampling nonuniformity, influence on Fourier coefficient calculation *(Russian)* 2−15891
Toeplitz-Hankel coeff. matrix system of eqns., efficient soln. 2−21340
transmitters, time, frequency, amplitude domain strains and meas. techniques *(Japanese)* 2−22340
transmultiplexer implementation, comparison of digital techniques 2−2403
transversal filter design, programmable, spectral analysis appl. 2−11419
TV, Quantel digital Production Effects equipment for high-speed video signal processing 2−6920
TV broadcast satellite signal reception and processing 2−21808
TV colour receivers, Chroma III universal signal processors *(Spanish)* 2−16600
TV studios appl. of digital signal processing techniques, status, problems and prospects 2−16621
two-dimensional chirp z-transform 2−26130
two-dimensional recursive digital filters, spectral factorisation technique 2−848
UHF degenerate SAW convolver 2−25414
uncertainty principle, in signal theory or quantum mechanics *(French)* 2−10683
useful signal delay meas. effect of partial suppression of interfering signal *(Russian)* 2−26125
video signal technology, faster ADC without DAC *(German)* 2−19732
VLSI design of a signal processing chip 2−14968
Walsh transforms−Reed Muller expansion relationship 2−26112
wavefront curvature ranging, inherent bias 2−21341
Wiener estimator for inversion of linear operators and superresolution 2−10706
X-ray fluorescence spectra, max. power signal restoration 2−6438
O_2 probe for flue gas anal. method of signal linearisation *(Slovak)* 2−23085

signal processing, computerised *see computerised signal processing*

signal sources
see also signal generators
market survey and review of types 2−16993

signal synthesis
data signal synthesis minimising intersymbol interference *(Russian)* 2−21350
digital-analog method of generating signals with limited spectrum 2−10693
distant moving target, polar coordinate meas., quasioptimum filtering in laser device *(Russian)* 2−26542
fast code-phase convertor 2−904
Fourier signal synthesizer *(German)* 2−14009
music synthesis by method of forward differences 2−26116
short-time Fourier transform digital signal synthesis 2−26134
speech synthesis, microcomputer techniques and developments *(Czech)* 2−6413
SW data transmission systems, digital signal synthesis for frequency-differential phase modulation process *(German)* 2−2664

signal transformers *see high-frequency transformers; pulse transformers*

signalling
see also alarm systems
AF rapid transit signalling system, inductive interference due to chopper propulsion control 2−18709
alarm monitoring system with CPU control, contact sense multiplexer using TDM 2−16879
British Rail Inverness-Wick radio signalling scheme, computerised block instrument control unit 2−13018
British Rail solid state interlocking project 2−13016
design for signalling system performance 2−8050
energy-saving band-mirrored traffic signal lamp *(Japanese)* 2−8073
fail-safe microcomputer systems for railway signalling 2−18694
LV network 2-way signalling system using system frequency modulation *(Norwegian)* 2−27378
Paris-South-East line, electrical installations *(German)* 2−12985
Polish products survey, ELEKTROMONTAZ range *(Polish)* 2−18148
radiotelephone system, signalling protocol, simulation 2−11008
railway, power supply voltage and phase-sequence monitors for changeover *(German)* 2−18685
railway line maintenance planning, allocation and equipment *(French)* 2−23696
railway signalling, microcomputer modules, ATE unit *(German)* 2−22078
railway signalling, solid-state interlocking using microprocessors, projected development by British Rail 2−18681
railway signalling control system, appl. of packet switching techniques 2−18696
railways, conf., London, England (Nov.1981) 2−8144
railways, fail safe signalling and electronic systems 2−18693
railways, impact of microelectronics 2−13017
railways, signalling monitoring and control *(French)* 2−23697
TGV, railways, track-machine transmission development *(French)* 2−23699
train describer systems and remote control display, system integration 2−18700

signalling (telecommunication networks)
CCITT No.7 common channel signalling, implementation in ITT 1240 Digital Exchange 2−26368
CCITT signalling system No.6, implementation in Pacific area 2−26216
central/distributed control telecommunications switching systems, signalling, software processes *(German)* 2−26323
channel-associated signalling technology developments 2−16266
common channel, CCITT no.7, message transfer part design for PROTEO terminal exchanges *(Italian)* 2−10931
common channel signalling in automatic telephone systems, message delay probability, No.7 system 2−16286
common channel signalling network, structure 2−21439
common-channel, progress 2−16265
developments, since 1956, towards advanced common-channel techniques 2−16263
digital multifrequency receiver using FIR quadrature filters with window functions 2−6699
high-capacity digital radio relay system, 140 Mb/s, 11 GHz band, QPRS modulation 2−26426
integrated services digital network (ISDN) 2−26189
integrated services digital networks, data communication handling prospects 2−21618
interoffice signalling system for DDX circuit switched network *(Japanese)* 2−6598
Italian integrated services digital network signalling and protocol definition 2−6520
mobile radiophone system, 900 MHz, signalling techniques 2−26457
multifrequency signalling, digital dual-tone multifrequency receiver 2−6652
multiple-access communication, signaling and decision scheme 2−6684
PCM signalling equipment in BYB construction practice 2−26077
private mobile radiotelephone systems, interconnect signalling problems 2−2701
subscriber loop digital signalling and burst isochronous interface 2−2630
TELECOM 1 satellite system integration into ISDN *(French)* 2−21800
telecommunication system of Cahora Bassa-Apollo scheme, control and protection functions 2−3740
telephone network signalling convertor for digital transmultiplexer 2−6676
telephone systems, direct dialing of credit card calls, using direct signalling feature of Common Channel Interoffice Signalling network 2−6701
telephone systems, direct dialled credit card capability, software methodology appl. 2−2637
telephony, digital subscriber line services and signalling, integrated voice/data services 2−16242
Telex, 25 years of service 2−16073
universal signalling digital transmultiplexer design, TM 7400-M2 2−2602

silicate glasses *see glass*

silicon controlled rectifiers *see thyristors*

silicon integrated circuits *see monolithic integrated circuits*

silicon-on-sapphire integrated circuits *see field effect integrated circuits*

silicon reference diodes *see avalanche diodes; Zener diodes*

silicones
decapsulation of silicone potted electronic assemblies by US stirring, failure analysis appl. 2−4662
fluid 561, AC and impulse breakdown voltages 2−7903
high field cond. in dielec. liquid films in time range 10^{-5} to 10^{-3} s 2−1521
insulating materials, elec. cond. and thermal decomp. 2−5862

silicones continued
oil, elec. props., influence of sample prep. and conditioning procedures 2−5856
oil layers, behaviour at partial discharge stress 2−5854
PC silicone protective coating material 2−14380
RAMs, use of silicone room temperature vulcanising rubber for alpha particle protection 2−14936
rubber layer for nylon jacketed optical fibre, charact. under lateral press. 2−1687
rubber reflecting cladding for glass core fibre waveguide 2−1718
silicone transformer liquid, use, maintenance and safety 2−4264
transformer coolant, silicone liquid, advantages 2−12688
transformers, silicone filled, water contamination 2−18311

SIMS *see secondary ion mass spectra*

simulation
see also aerospace simulation; analogue simulation; brain models; digital simulation; hybrid simulation; modelling; physiological models; plasma simulation; semiconductor device models
400 MW gas-fired combined cycle units at Gersteinwerk power station start-up procedure optimisation using simulation method *(German)* 2−17957
aircraft landing gear longitudinal instability 2−13006
analog, use of nonpolarised electrolytic capacitors in active filter with very low cut-off freq. *(Spanish)* 2−5288
analytical treatment of hydro units with random energy in stochastic production simulation 2−23164
automobile industry research, Ford's developments 2−28204
biomedical US pulse-echo diagnostics, simulation model for echo patterns 2−11906
blast furnace process as object of control, mathematical simulation *(Bulgarian)* 2−4493
charge simulation method with complex fictitious charges for calculating capacitive-resistive fields 2−12280
communications traffic simulation techniques, Monte Carlo method, random number generation and Markov chains *(Japanese)* 2−15968
contact bounce simulation circuit *(Italian)* 2−9128
current source invertor-fed self-controlled asynchronous machine, fault simulation 2−12715
DC rolling-mill drives, simulation of dynamic performance 2−18661
digital performance of Canada's 14/12 GHz ANIK C earth station 2−11012
digital voice communications over telephone lines, objective speech quality meas., simulated algorithm *(Croatian)* 2−16052
distribution-moment approximation for kinetic theories of muscular contraction 2−13778
driving simulator for objective evaluations of physically handicapped drivers 2−17325
dynamic models of tidal estuaries 2−23184
dynamic routing, critical path selection features for service and economy 2−6488
dynamic stability of large induction motors as influenced by voltage disturbances 2−27916
echo simulator for use with echo sounders, stable output giving variable depth simulation 2−2841
EEC solar power plant dynamic analysis and operation criteria 2−27838
EEC solar power plant steam generator control system design and simulation 2−27839
electronic bingo game, LED mixture display, home entertainment *(Spanish)* 2−9182
EM flowmeter, calibration and testing without liquid 2−16956
energy strategy planning for electric utility, SMARTE methodology 2−27429
energy strategy planning for electric utility, SMARTE methodology case study 2−27430
error patterns in digital communication systems, burst error generator 2−11499
fault simulation of divided winding rotor synchronous generator with rectifier excitation 2−4055
force semiconductor structures simulation *(Russian)* 2−1333
French engineering education, simulation of industrial experience 2−13185
gyrocompass maximum scope differential equations model *(Russian)* 2−504
heat distribution centres, computer simulation 2−23071
human maximal expiratory flow-vol. curve, electronic simulator 2−11887
HVDC power convertor with twelve pulses and equidistant firing system, model 2−27465
HVDC/AC interconnection systems, simulation methods *(German)* 2−27462
hydraulic resonance in hydropower plants with surge tanks, computing technique 2−27802
hydroelectric power station isolated operation anal. by frequency measurements and simulation studies *(German)* 2−27801
hydropower systems, expansion planning using random search techniques 2−7751
INDICATES automatic test pattern generator system, initialising digital ccts. method 2−5171
inductance and capacitor flotation schemes using current conveyors 2−5276
induction motor cage breakdown study using partial equivalent network method *(Italian)* 2−18220
induction motors with saturable leakage reactance, modelling and simulation 2−18252
induction using active RC networks 2−5283
influence of wheel/rail contact geometry on large amplitude wheelset equations of motion 2−13001
ion beam etched pattern profiles, three-dimens. simulation *(Japanese)* 2−9579
large scale nonlinear ccts., general-purpose analysis program LNAP *(Japanese)* 2−5761
lossless floating inductor, simulation 2−24745
low voltage bulk power system restoration simulation 2−17638
mains interference in electronic equipment 2−24404
mobile land radio, comparisons of SSB, PM and AM systems 2−6785
nuclear electromagnetic pulse simulation 2−15745
nuclear reactor operator training, full-scope simulators by British CEGB 2−23044
oil fuel consumption reduction via economic generation reserve margins 2−17658

simulation continued
optimum vehicle suspensions minimizing RMS rattlespace, sprung-mass acceleration and jerk 2−13002
paper industry OR model 2−23839
power station atmospheric plumes dispersion, aerodynamic effects of large structures, wind tunnel simulations 2−17860
power system electromechanical model, algebraic and dynamic simplification *(Italian)* 2−17633
power system simulator for training of dispatchers, functional requirements 2−3721
probabilistic load flow using multilinearisations/ 2−3732
radial and conventional rail vehicle trucks curving performance 2−12999
ratiotelephone system, signalling protocol, simulation 2−11008
reluctance machines, convertor-fed, direct simulation using magnetic equivalent circuits 2−12630
residual entropy encoders for toll-quality speech transmission 2−10913
simulating coal pile runoff as a design tool 2−27600
solar energy plant with electrically driven heat pump for room heating and hot water, numerical simulation *(German)* 2−28247
space division switching network traffic simulator, generalised methods 2−21692
spring point mass model 2−8764
stability and curving mechanics of rail vehicles 2−12998
steam turbine governor and regulator problems, simulation model *(German)* 2−7722
Super-Phenix steam generator 45 MW model, numerical simulation of operation on non-stationary regime *(French)* 2−27640
time domain signal power analysis EMC problems with PROTEO electronic switching system appl. *(Italian)* 2−10930
transient state simulation in electric energy systems *(German)* 2−27367
underground power cables, backfill materials soil treatment, field test simulation study 2−22929
Si wafer, low power electron irrad. with conventional electron gun, heating effect numerical simulation 2−14618

simulation, digital *see digital simulation*

simulation languages
CIFTRAN, simulation for tactical communication systems 2−6525

simulation of computers, digital *see virtual machines*

simulators *see simulation*

single phase rectifiers *see rectifiers*

sinks, heat *see heat sinks*

sintering
ceramic, sintering furnace, low cost, high temp. induction system 2−23758
ceramic dielectric for capacitor 2−20430
solar cells, polycrystalline, grain boundary passivation effects 2−23623
solid electrolyte coatings for electrochemical devices 2−18416
static Scherbius drive system for 6700 kW motor used for NO_x reduction in sintering plant 2−23666
Ti-Cu film, elec. resist. and impedance 2−20007
$Bi_4Ti_3O_{12}$ ceramics, grain oriented, fabrication and elec. props. 2−13855
$CaO-Al_2O_3-SiO_2$, sintered ceramic, dielec. props. 2−5826
$Fe_{1-x}Cr_xNbO_4$, prep., cryst. struct., mag. and electronic props. 2−15381
$\gamma-Fe_2O_3$, acicular, prep., condensed phosphates as antisintering agents 2−15106
Li-Ti-Zn ferrite, effect of MnO_2 and Bi_2O_3 additives on props. *(Slovak)* 2−1565
MoMn paste composition and sintering parameters effect on leuco-sapphire-metal bonds 2−613
Pd sintering process 2−18989
SiC based resistance material 2−13859
Si_3N_4 ceramics, sintering techniques, material props. and appls. 2−614
$SmCo_5$ permanent magnets, deform. sintered, struct. and mag. props. 2−15212
TiC-SiC, sintered, elec. resist. 2−8849
$ZnO-Bi_2O_3$ varistor, XPS obs. of surface layer effects on electronic props., intergranular layer form. 2−5375

size effect
layered semiconductor structures and heterostruct., hot electron and phonon effects 2−14675
MOSFET, small geometry, three dimensional numerical simulation of size effects 2−25264
semiconductor, nonohmic, nonreciprocity and magnetoresistance size effects, phonon heating and drag 2−14610
semiconductor ultrathin film, non-parabolic, Einstein relation, size quantisation effect 2−9389
n-InSb, non-parabolic, ultrathin films, Einstein relation, size quantisation effect 2−9389
$LiNbO_3$-InSb film struct., acoustoelectronic interaction, quantum size effect 2−25093
Si MOSFET with sub-micron gate, anomalous low temp. cond. 2−14872

skin
dose rate meter, high range, using a Si diode as a detector 2−3517
induction motor dynamic analysis during power supply imbalances 2−4127
laser coagulation of dermal lesions using Ar ion laser 2−17412
spatiotemporal pattern recognition by skin, computer-controlled matrix system 2−26710
transcutaneous electrostimulation, tissue equivalent circuit 2−17397
UV wide-band monitor, dermatology monochromators output meas. 2−3521
vascular anomalies treatment using laser coagulation equipment 2−7340

skin effect
cycloconvertor driven, induction motor performance anal. 2−4171
cycloconvertor driven, induction motor performance anal. 2−4172
cylindrical skin effect, Bessel function approx. 2−171
induced eddy currents, in circular disc and rectangular cylinder of finite height, placed in magnetic field *(German)* 2−15610
induction motor PWM waveform performance anal. 2−4165
invertor driven induction motor, performance anal. 2−4167
invertor driven induction motor, PWM performance anal. 2−4166
invertor driven induction motor, PWM performance anal. 2−4168
invertor driven induction motor, PWM performance anal. 2−4170
invertor driven squirrel-cage induction motor, PWM performance anal. 2−4173
invertor fed induction performance anal. 2−4193
nonlinear skin effect, plane and circular polarised electromagnetic fields penetrating a ferromagnetic conducting semispace 2−15675

skin effect continued
optimal tracking of the dynamic performance of an induction machine 2−27917
overhead transmission line, mathematical model *(Polish)* 2−17751
power cable transmission power loss reduction techniques 2−27511
power transmission lines during higher harmonics with regard to nonuniform current distrib. across conductor *(Czech)* 2−22922
stationary skin effect problem, conducting circular disc and thin plate in homogeneous magnetic field *(German)* 2−15613
stationary skin-effect problem, conducting disk and thin plate, EM behaviour in alternating magnetic field *(German)* 2−15612
straight-cylindrical conductor carrying rectangular periodic current, skin effect 2−19895
voltage and current source invertor fed induction motors, comparative study of losses 2−18256

skips *see hoists*

sliderules *see calculating apparatus*

sliding contacts, electrical *see electrical contacts*

slip (asynchronous machines)
induction motor speed control for drive economy and productivity 2−27904
induction motor starting, transient torque establishment and resulting stresses for constant and variable slip *(Italian)* 2−12639
induction motors, slip measurement method with digital information processing *(German)* 2−12644
induction motors current invertor supplied, high frequency harmonic effects *(Croatian)* 2−18242
induction motors slip/measurement methods and equipment *(Polish)* 2−26966
on operating conditions of large doubly-fed asynchronous machines in a power system 2−3675
variable frequency induction motor, simplified block diagram 2−18253
velocity and start control, three-phase rectifier drive performance anal. 2−4187

small electric machines
applications of small motors 2−18278
capacitor induction motor, miniature, design optimisation 2−4250
commutation reliability and anal. 2−23324
construction of a circle diagram for rotating and linear induction motors *(Russian)* 2−23295
cooling of electrical machines/ *(German)* 2−4054
DC torquer-tachometer, integrally-wound, electromagnetic coupling problems and application 2−18285
designers training, development in USA 2−26
engineering thermoplastics in the design of small motors 2−18279
geometry determination for one phase synchronous motors/ with claws 2−4255
induction motor magnetic noise meas. 2−4252
invertor fed with salient poles induction motor performance anal. 2−4191
linear unipolar motors for small powers *(Dutch)* 2−23317
low-power electric machines manufacture in Poland, realisation methods *(Polish)* 2−7884
magnetic field and transient calc., conf. at Athens, Greece (1980) 2−23240
micromotors up to 1 kW, development trends *(German)* 2−27949
miniature motors, effect of commutation currents on magnetic state of internal annular magnet 2−4249
miniature motors and motor-generators, manuf., influence of starting torque 2−4248
motor development trends 2−7877
new method and device for investigating magnetic fields in miniature electric machines 2−3137
performance of a single-phase asymmetrical-stator induction motor 2−23325
reversible shaded-pole motor fan drive/ 2−4257
shaded-pole reluctance motor, spatial harmonics calc. 2−4256
squirrel-cage motor, noise and vibrational meas. 2−12676
surface tangential vibration calc. and meas. 2−4254
universal motors, transient leakage flux, investigation 2−4246
Si Hall-effect power ICs for brushless motors 2−20386

small polaron conduction
drift-dominated unipolar cond., small-signal impedance and stability 2−5060
semiconductors, compensated, localised charge carriers, particle statistics and transport 2−9390
transition metal oxides, amorphous, elec. cond. and electrochromic props., review 2−25010
As_2Se_3 glass, pure and doped, transient hole transport meas. 2−14663
Se, glassy, transient hole transport meas. 2−14663
V_2O_5-TeO_2 semiconducting glass, elec. cond., thermopower and optical absorpt. 2−25012

small-size generators *see small electric machines*

small-size motors *see small electric machines*

smectic liquid crystals
chiral C phase, microsecond-speed, bistable, threshold-sensitive liquid crystal device 2−15353
electro-optical and thermo-optical appls. 2−11560
smectic-cholesteric mixed liq. cryst., light transmission characts. in optic effects 2−10086

smoke
see also air pollution; dust
atmosphere, airborne lidar meas. of smoke plume distrib., vertical transmission and particle size 2−27270
fire alarm system requiring no energy supply at detector *(French German)* 2−13238
IC smoke detector, using long delay timing cct., LED indicator *(Italian)* 2−19815

smoothing circuits
see also filters
controlling the overvoltage of smoothing filters of thyristor convertors in mine electric locomotives *(Russian)* 2−28021
high power DC circuits with T-network smoothing filter scheme *(Russian)* 2−4282
structural-compensated smoothing devices *(Russian)* 2−19764

snap off varactors *see varactors*

snow
IR and visible radiation propag. in rain and snow 2−25967
lying snow cover meas. in mountainous area by gamma-ray surveying 2−17573
volume scatter model theories, vegetation, snow and sea ice studies appl. 2−17577

social and behavioural sciences
see also demography; economic and sociologic effects; ergonomics; psychology; teaching
biofeedback devices. selective applications in mental health care 2−27194
engineering education, academic vs. practical debate, screening technique appl. 2−4583
philosophy and social science course development for engineering students 2−13182

social and behavioural sciences computing
see also educational computing; psychology
behavioural medicine laboratory appls. of microprocessors 2−27195
EEGs of epileptic patients, computer evaluation system 2−22558
skin sensitivity to spatiotemporal patterns, computer-controlled tactile matrix using piezoceramic transducers 2−26710
visual grating displays, computer-controlled function generator 2−26772

social aspects of automation
see also cryptography; data privacy
information technology implications 2−4690

social effects of automation *see social aspects of automation*

societies
Association of Electrical Engineers in Poland, activities in field of electrical installation and plant *(Polish)* 2−8214
Association of Electrical Engineers in Poland, role in production of electronic power equipment *(Polish)* 2−8260
Vehicular Technology Society, IEEE, history 2−8134

sociologic effects *see economic and sociologic effects*

sociology *see social and behavioural sciences*

sockets (electrical) *see electric connectors*

sodar *see sonar*

sofar *see sonar*

software (computers) *see computer software*

sogicons *see semiconductor devices*

soil
breakdown following source EM pulse, effect on power lines 2−27512
complex permittivity of soil and water mixtures, using evanescent waveguide technique at 9 GHz 2−26938
direct buried cables rating, soil thermal stability meas. appl. 2−3752
electrical breakdown props., air ionisation effect, following EM pulse 2−25370
frozen ground thermo-physical props. measuring instrument *(Russian)* 2−17551
groundwater exploration in Taoyuan-Chungli area, N Taiwan, geoelectrical investigation 2−12083
moisture content, scatterometer measurement technique, agricultural monitoring appl. 2−17590
moisture estimation, appl. of aircraft active microwave meas. 2−3622
moisture meas., microprocessor-based instrumentation 2−22095
remote sensing by microwave method, dielec. const. depend. on H_2O content 2−17179
remote sensing of moisture content using side looking star 2−12085
sensing surface props., using vibrator probe with piezoceramic transducer 2−12067

solar absorber-convertors
500 kW solar power station receiver 2−12546
active solar cooling system using Libr-H_2O absorpt. machine 2−13091
air solar collector, with evacuated tube cover, performance 2−23442
assisted heat pump system, thermal anal. and outline 2−18780
coefficient of performance of solar absorption dual cycle 2−18615
collector/storage system, thermal design of roof 2−18613
colour-centre crystal solar-radiation-pumped CW laser, feasibility study 2−1932
combination photovoltaic/thermal solar collectors for residential applications 2−23573
combined flat-plate photovoltaic/thermal collectors, comparison with separate collectors 2−23538
combined solar-energy converters with selective coatings for optimum efficiency 2−12852
domestic hot water provision, economic advantages 2−23927
energy conservation test facility, data acquisition system 2−22200
flat plate collectors, heat loss, insulation effect 2−23443
flat-plate collector technology for Si solar cell arrays, overview 2−23485
fluorescent dye in doped polymer matrix, Stokes shift, use in fluorescent collector 2−25595
fluorescent planar concentrators 2−25632
glass:Cr^{3+} based materials, fluorescent, for luminescent solar collector 2−25596
grid-interactive solar photovoltaic elec. system, elec. power and space heating appls. 2−18099
heat and electricity production by solar focusing collectors *(French)* 2−12539
high temp. heat production by solar energy use to investigate energy storage in reversible thermochemical cycles, development and testing of experimental facility *(German)* 2−12547
IEEE phtovoltaic specialists conference, Kissimmee, FL, USA (May 1981) 2−13168
IR analysis using thermographic equipment 2−3081
line focus collector, analytical dynamic modelling, control appl. 2−23441
linear focus concentrator, actively-cooled photovoltaic receiver, low-cost design 2−18556
linear solar cell string with diode bypassing illuminated by parabolic-trough sunlight concentrator, shading anal. 2−18557
liquid photovoltaic/thermal collectors for residential applications 2−23551
MHD convertor, high temp. operation 2−28129
parabolic trough photovoltaic performance, technique for comparison 2−18577
photovoltaic collectors for solar cell arrays, flat-plate and concentrating, cost-reduction efforts 2−23484
photovoltaic concentrating collector, optimization by maximization of energy incident on photovoltaic cell array 2−23483
photovoltaic concentrating collectors, linear-focus and point-focus Fresnel lens using Si solar cells, overview 2−23486
photovoltaic concentrator test results and interpretations 2−23482
photovoltaic/thermal collector panels for residential systems, improved design 2−23579

solar absorber-convertors continued
pilot plant, solar energy receiver performance tests 2−3973
ponds, potential for use in South Australia 2−7777
RRSRR solar tracking system, static loading and wind effects 2−12883
satellite power management 2−18526
Themis, solar power plant, heliostat field, solar collector *(French)* 2−12540
thermal process heating, collector cleaning costs 2−23208
thermal-electric systems, receiver optical props. effect 2−23205
$Cu_{1.8}S$-GaAs heterojunction photoconverter 2−12939
GaAs-$Al_{0.2}Ga_{0.8}Sb$ non-lattice matched stacked solar cells, laser bonding 2−23630
Ge_xC_{1-x} CVD coating, struct. and optical props., solar absorber appl. 2−25037
Mo-Al_2O_3 composite film, surface roughness, photothermal absorber appls. 2−28132
Zn_3P_2-metal contact, photoeffects, solar energy convertor appl. 2−14691
ZrB_2 coatings for photothermal absorber appls., CVD 2−18617

solar absorbers *see solar absorber-convertors*

solar activity
see also sunspots
ionosphere, MF absorption at low latitude, seasonal and solar control 2−21095

solar batteries *see solar cells*

solar cell arrays
see also solar power
1 kW preprototype redox storage system for 5 kW photovoltaic array, characterisation tests, NASA 2−12953
2.2 kW actively cooled point focusing photovoltaic array 2−18103
20kW photovoltaic flat-panel power systems 2−23222
50 kW photovoltaic power plant coupled to the 15000 V electricity grid 2−12552
100 kW flexible solar arrays for space appls., design 2−22695
100 kW utility interconnected flat panel photovoltaic system, design and start-up performance 2−23649
air pollution effect on design and performance of solar energy systems 2−12548
all-solar electric residence, Carlisle house 2−23644
AMP SOLARLOK connector for photovoltaic modules, reliability and maintainability 2−23634
array subsystem development for photovoltaic array fields cost reduction 2−23536
batteries for spacecraft equipment power sources, theoretical charact. 2−27253
cloud cover measuring instrument having two sets of solar cells 2−3605
combination photovoltaic/thermal solar collectors for residential applications 2−23573
combined flat-plate photovoltaic/thermal collectors, comparison with separate collectors 2−23538
combined photovoltaic/thermal solar array DC electrical model 2−28109
concentrating photovoltaic-thermal systems vs. side-by-side systems, cost effectiveness 2−23553
concentrating solar panels design and application to electric/thermal energy conversion *(German)* 2−18075
coupling between a photovoltaic panel and the power grid with battery storage 2−3682
DC motor-photovoltaic convertor system performance anal. 2−8001
DELPHOS project, flat-plate photovoltaic power system, appls. 2−23217
domestic solar photovoltaic power systems, design and installation 2−23420
economic viability, lifetime and inflation in photovoltaic systems anal. 2−18597
effect of partial shadowing, thermal hot-spot and electrical second breakdown, failure mechanism 2−12886
electric power from photovoltaic installations, practical appls. 2−18470
energy supply by the aid of photovoltaic cells *(Dutch)* 2−23197
failure modes for reverse voltages, reliability anal. 2−23601
flat plate photovoltaic module cell temps., tests in simulated field conditions 2−23552
flat plate photovoltaic modules encapsulation systems, thermal and optical performance 2−23540
flat-plate collector technology for Si solar cell arrays, overview 2−23485
fuel cells, regenerative systems state-of-the-art and developments for orbital energy storage applications 2−12840
grid-interactive solar photovoltaic elec. system, elec. power and space heating appls. 2−18099
heat lamps used to solder solar array 2−28118
in-flight performance of the solar maximum mission electrical power system 2−18541
intermediate photovoltaic system/utility interface experience 2−23647
intermediate-size photovoltaic power system for remote appl., system design and reliability considerations 2−23537
Jupiter orbiter, systems impact of concentrated solar array 2−17522
land mobile radio system transmission sites appl. 2−10988
linear solar cell string with diode bypassing illuminated by parabolic-trough sunlight concentrator, shading anal. 2−18557
liquid photovoltaic/thermal collectors for residential applications 2−23551
low resistance solar cells for the first Spanish concentrating photovoltaic array 2−23466
low-cost Fresnel lens module, development and evaluation 2−18102
Marecs, communication satellite 2−6802
miniaturised Cassegrainian-type concentrator solar array for space appls. 2−18531
monolithic series-array, contoured oxide 2−12866
Mount Laguna Solar Photovoltaic Installation, performance charact., life cycle model 2−23612
nonimaging concentrators for photovoltaic arrays in space 2−18532
pentahedral pyramidal concentrator design for space solar array 2−22698
Phoenix Airport, Arizona, solar photovoltaic concentrator project, 225 kW 2−18098
photovoltaic array load energy transfer optimisation using electronic series/parallel adaptors 2−18518
photovoltaic arrays, effects of cell sorting and module matching on array output 2−23554
photovoltaic arrays, flat-plate design techniques, review 2−23550
photovoltaic cells in arrays, optical measurement of cell temperature 2−18506
photovoltaic collectors for solar cell arrays, flat-plate and concentrating, cost-reduction efforts 2−23484

solar cell arrays continued
photovoltaic concentrating collector, optimization by maximization of energy incident on photovoltaic cell array 2−23483
photovoltaic concentrating energy system for heat/electricity generation at Wilcox Memorial Hospital on Kauai in Hawaii 2−23213
Photovoltaic Concentrator Application Experiment at Sea World Park, Florida, turntable solar cell array appl. 2−18097
photovoltaic concentrator cell modules cost reduction by using automatic cell assembly, test modules testing 2−23471
photovoltaic concentrator test results and interpretations 2−23482
photovoltaic module and array reliability 2−23606
photovoltaic module failure anal. using Solar Cell Laser Scanner, design, expt. results 2−23603
photovoltaic module hot spot durability design and test methods 2−23598
photovoltaic modules, defective cell detect. through photoresponse modulation 2−23604
photovoltaic modules, elec. insulation systems, defect design 2−23574
photovoltaic modules, field failure mechanisms 2−23597
photovoltaic modules, high efficiency, design, fabrication and performance 2−23575
photovoltaic modules, Solar Array Manufacturing Industry Simulation program, user evaluation 2−23578
photovoltaic modules natural sunlight accelerated weathering using Super-Maq 2−18507
photovoltaic pilot plants construction proposals in European Community 2−12551
photovoltaic pilot projects in the European Community 2−18069
photovoltaic power system, 3 kW, operating charact., optimum system definition 2−23221
photovoltaic power system appls. to instrumentation at remote US Army test centres 2−23219
photovoltaic power system for Natural Bridges National Monument, operation 2−23220
photovoltaic power system for the Oklahoma center for science and arts (OCSA) 2−23648
photovoltaic power system reliability anal., maintenance availability, life-cycle cost calc. 2−23216
photovoltaic power systems, off-grid, cost effectiveness in comparison to combustion engine generating sets 2−12888
photovoltaic power systems, simulation and design 2−23555
photovoltaic power systems, stand-alone, roof-top, appraisal for rural applications 2−12890
photovoltaic power systems, system outages, reliability and repair economy of future systems 2−23215
photovoltaic solar modules, mechanical failure anal., fracture mechanics appl., cracking mechanisms for Si and cover materials 2−23602
photovoltaic space power technology for military appls., extension to 100 kW calc. range 2−18548
photovoltaic system cost experience for intermediate-sized appls. 2−23646
photovoltaic systems design for residential appls., review 2−23549
photovoltaic/thermal collector panels for residential systems, improved design 2−23579
point-focus photovoltaic concentrator passively-cooled module, design and performance 2−18603
power satellite photovoltaic solar array development requirements, assessment 2−27822
quality assurance activities on photovoltaic arrays 2−18484
radiation testing of spectrally selective reflectors for solar array concentrators 2−18533
reliability study methodology 2−18505
residential photovoltaic power system 2−23645
residential solar photovoltaic generating system connected to elec. utility distribution system in Arizona, USA 2−8012
residential-electrification photovoltaic power systems for Hopi Indian reservation, New Mexico, USA 2−23218
residential-like photovoltaic systems, Southwest Residential Experiment Station 2−23632
RRSRR solar tracking system, static loading and wind effects 2−12883
satellite power systems, series vs. shunt regulators for power control 2−17513
seawater desalination system, stand-alone design, 8 kW ribbon photovoltaic array power system, drinking water provision 2−23850
series/parallel module circuit designs, shading and cell defect effects 2−23600
shadow tolerance, effects of shunt resistance and by-pass diodes 2−23437
shunt diode design for solar cell arrays, planar-diffused struct., life testing 2−20234
shuttle flight expt., Solar Electric Propulsion solar array 2−17519
small power photovoltaic systems, pilot power conditioning installation 2−18520
solar hydrogen plantations for hydrogen production, feasibility and economics for replacing fossil fuels 2−27836
solar panels load losses, analogical study *(Italian)* 2−23439
solar-array-powered multi-kW power conditioners for Space Shuttle orbiter appls. 2−17524
Solarex Block IV module 2−23539
space, shunt and blocking diode for protection 2−22697
space applications, large area, low cost, optimisation 2−17528
spacecraft power subsystem, high power solar array switching regulation 2−17511
spherical photovoltaic cell type, development *(Czech)* 2−7991
stacked system, multigap multijunction implementation, optimum number of units rel. to operating conditions 2−23489
submersible AC pump-motor aggregates coupled to photovoltaic array via DC-AC convertor, efficiency improvements 2−18521
system components, theory and design *(Dutch)* 2−28103
terrestrial photovoltaic modules, field test sites, array reliability, failure mechanisms 2−23599
terrestrial photovoltaic performance reference conditions 2−18504
thermophotovoltaic conversion for electric utility appls., feasibility 2−23210
V-groove faceted reflector for enhanced module output 2−23633
water supply, electrical power system, solar cell array appls., pump selection, monitoring and control *(German)* 2−28315
AlGaAs/GaAs concentrator solar cell array, high efficiency-large area for concentrating photovoltaic array of 1 kWp, construction and performance 2−23212
AlGaAs/GaAs solar cells high conc. photovoltaic module, development and testing 2−18602
Cu_xS-CdS integrated thin film solar panels fabrication technology 2−18516

solar cell arrays continued
GaAs monolithic solar cell arrays 2−23626
GaAs solar cells for space missions, technology requirements 2−22694
Ge photoconverters, electrical characts. under high illumination intensities 2−7990
H_2 production by water electrolysis with photovoltaic solar energy conversion 2−28108
Si, 11 W solar modules operational characts. and experimental study of disequilibriums 2−12885
Si, performance evaluation in Sanaa, Yemen 2−23436
Si, photovoltaic water pumping system daily performance anal. model 2−18519
Si solar arrays employing advanced structures, high performance 2−18529
Si solar cells and arrays, design and fabrication problems *(Japanese)* 2−4361

solar cells
100 kW flexible solar arrays for space appls., design 2−22695
advanced, development progress, review 2−23524
amorphous p-i-n solar cells, stability tests 2−18590
amorphous semiconductors, electronic props., appl. to solar photovoltaic cells *(Dutch)* 2−5581
analytical model of solar powered separately excited DC motor 2−27942
balloon calibrated solar cells with narrow band-pass filters, simulator spectral characterisation 2−17526
band gap narrowing evaluation methodology based on measurements of emitter and base lifetimes and relaxation time 2−23463
batteries for photovoltaic power systems, computerised testing 2−12809
battery requirements for photovoltaic energy storage 2−12810
C Si:H, amorphous, MOS solar cell, fundamental tunnelling process 2−25084
carrier redistribution anal. within junction using kinetic method 2−23465
CECON 80 conference, Cleveland, OH, USA (May 1980) 2−8161
characteristics plotter with sample hold 2−7997
combined solar-energy converters with selective coatings for optimum efficiency 2−12852
concentrator cells, passive cooling using Cu heat pipe with water/acetone working fluid 2−18559
concentrator photovoltaic systems, high efficiency 2−18570
control of water outlet valves by electricity provided by means of photovoltaic cells *(French)* 2−18465
current degradation factors on satellite 2−18530
current photovoltaics applications in transport sector 2−12884
current-voltage characts., practical method of anal. 2−8008
dark current-voltage two exponential equation parameters determ. from empirical data using least-squares based approach 2−23438
development review *(Croatian)* 2−28106
diffused layer resistance values calc. using different models, comparative study 2−8011
direct solar energy conversion efficiency thermodynamic 2−23461
dispersion concentrator optical characts., influence on photovoltaic systems 2−23469
domestic hot water provision, eight technologies, comparative net energy analyses 2−23927
double-exponential current-voltage characts., effects on cell performance 2−12878
economic impact on society of production technologies 2−18596
efficiency calcs. for cell with inhomogeneous areal distrib. but constant number of recomb. centres 2−28124
efficiency in desert environment 2−18494
electrodeposition by use of internal photovoltage 2−18477
electronic watch power supplies, primary, secondary and solar cell appls. *(Czech)* 2−4328
energy conversion optimisation, photovoltaic generators *(French)* 2−12855
energy system theory, design *(Dutch)* 2−18464
European reference solar cell calibrations, comparison 2−18581
fabrication, pulsed electron beam annealing, apparatus and technique 2−23576
fluorescent planar concentrators 2−25632
flywheel energy storage system testing and evaluation 2−8293
French experience in the usage of photovoltaic batteries in developing countries *(French)* 2−23478
GaAs shallow-homojunction concentrator solar cells 2−18572
German terrestrial photovoltaic activities, status 2−18579
German terrestrial photovoltaic activities status 2−12889
graded junction solar cells, new photovoltaic devices, review 2−25628
health hazards, public and occupational, of photovoltaic energy technologies 2−12876
heavily doped emitters, charge neutrality 2−4337
high-low emitter solar cells in concentrated sunlight analytical model 2−18485
HV multijunction, fabrication by IC technology 2−18578
IEEE phtovoltaic specialists conference, Kissimmee, FL, USA (May 1981) 2−13168
$In_{2-x}Sn_xO_3$-Si solar cell, fabrication and series resist. effects anal. 2−8005
interdigitated back contact solar cell with high-current collection 2−23628
ion implantation in microelectronics, bibliography 2−23878
ion implanted, effects of junction depth and impurity conc. 2−18497
Japanese and American developments, Matsushita activities *(Japanese)* 2−4349
laboratory evaluation of a pilot cell battery protection system for photovoltaic applications 2−12811
laser-annealing, optimisation 2−18592
linear focus concentrator, actively-cooled photovoltaic receiver, low-cost design 2−18556
low resistance solar cells for the first Spanish concentrating photovoltaic array 2−23466
manufacture, automated process sequence using preformed cell contacts/interconnects, cost of $0.64/peak watt in 1986 2−23499
materials science (book) 2−4586
metallisation of large-area solar cells 2−23508
metallisation on cell front using thick film inks, processing parameters effects 2−12881
MIS, p-type, electron capture by surface states, adverse and beneficial effects 2−23448
MIS inversion layer solar cells, surface recombination current 2−12860
MIS junction, low work function metals semitransparent films props. 2−23449
MIS solar cells, pinhole model 2−18486
MIS-structure, computer-aided anal. of short circuit-current, spectral response meas. 2−23464
modelling, solar cell eqn. in framework of reaction kinetics 2−18586
module structures, comparative study of thermal characts. 2−18503
modules, wind-simulation tester 2−4352
monolithic multicolour solar cells, shorting junction 2−23629
MOS thin-film, steel substrate passivation with tungsten layer 2−4353
MOS-oxide charge induced junction solar cells 2−18498
multijunction HV solar cell 2−7999
n^+/p^+ tunnel junction, MBE, ohmic contact for cascade solar cell 2−4345
narrow and wide gap materials, optical and electronic props., model based studies 2−14604
new system of storing and primary cooling of fish in villages of isolated fishers and based on solar energy *(French)* 2−23480
numerical simulation of open circuit voltage decay 2−18466
open circuit voltage, effect of I_{01}/I_{02} ratio 2−28123
open circuit voltage decay transients 2−12868
operation principles and manufacturing technology, Italian market potential *(Italian)* 2−28107
optical characterisation, computer-controlled instrumentation, spectral photoresponse, reflectivity, transmissivity, GaAs and stacked cells 2−22112
optoelectric radiation receiver materials, props. and devices *(German)* 2−15402
organic, construction, review *(Japanese)* 2−4366
overloading protection using bistable relay regulator 2−23427
p^+-n-n^+ double sided surface field solar cells 2−23627
p^+-n-n^+ solar cells with hole diffusion lengths comparable with the base width: a simple analytic model 2−12879
p-n junction, generalised approach to minority carrier lifetime meas. 2−4365
p-n junction solar cells, photo voltage decay method for minority carrier lifetime meas. 2−12858
p-n junctions formation using pulsed laser processing technology 2−18500
performance limit of compound semiconductor solar cells *(Japanese)* 2−4359
photodecomposition of semiconductors thermodynamics, kinetics and application to solar cells 2−9522
photoelectrochemical, photocorrosion process on n-GaAs and corrosion prevention 2−12913
photoelectrochemical cells, open circuit pot. 2−28111
photoelectrochemical solar cells with layer-type semiconductor anodes, chem. surface treatment 2−18476
phototransformers based on laminated semicond.-dielec.-semicond. struct. *(Ukrainian)* 2−20157
photovoltaic cells in arrays, optical measurement of cell temperature 2−18506
photovoltaic characts. in p-n junctions, heterojunctions, Schottky and MIS structures *(Japanese)* 2−4360
photovoltaic concentrating collectors, linear-focus and point-focus Fresnel lens using Si solar cells, overview 2−23486
photovoltaic concentration module consisting of Si solar cells with facet cylindrical mirror coss, performance 2−23473
photovoltaic concentrator module for combined heat/electricity generation, construction and testing 2−23472
photovoltaic industry overview: the results of a survey on photovoltaic technology industrialization 2−18595
photovoltaic modules natural sunlight accelerated weathering using Super-Maq 2−18507
photovoltaic power systems, construction operation and applications survey 2−12887
photovoltaic solar arrays, low-cost, glass encapsulation 2−23440
photovoltaic solar energy conversion efficiency thermodynamical limits anal. using two-level quantum convertor model 2−23462
photovoltaic solar generator, control circuit for max. power point tracking system *(Spanish)* 2−4348
photovoltaic solar pump optimisation by static convertors driven by microprocessor 2−23378
photovoltaic solar pumps, development by pompes GUINARD *(French)* 2−12856
photovoltaic systems, review of development and appls. 2−4364
photovoltaic/thermal concentrating collector prototype, tests and performance 2−23468
photovoltaics for residential applications in France, future prospects 2−18522
phthalocyanine Schottky barrier solar cell, In/x-metal free 2−7993
planar multijunction solar cells, high-voltage output 2−12917
point focus concentrator solar cell mounts using direct-bonded Cu-alumina-Cu san dwich 2−18558
point-focus photovoltaic concentrator modules, compatibility of Fresnel lens and photovoltaic cells 2−18574
polyacetylene solar cell using polyacetylene-Si p-n heterojunction 2−18496
polycrystalline, grain boundary passivation effects 2−23623
polysilicon, large area, low cost, processing sequence development 2−12897
Power Extension Package for Space Shuttle, solar cell development 2−17520
present status of single crystal silicon solar cells *(Japanese)* 2−4356
principles and technology *(Spanish)* 2−23419
progress in large area photovoltaic devices based on amorphous silicon alloys 2−18542
radiation testing of solar cells for Shuttle Power Extension Package 2−17529
radiation-driven energy conversion model 2−28114
recent progress in amorphous silicon solar cell R and D *(Japanese)* 2−4358
research and development trends *(Japanese)* 2−4355
research on the optimum power delivered by a photovoltaic generator with the aid of a microprogramme *(French)* 2−23481
satellite power management 2−18526
scanning laser acoustic microscope examination of solar cells and solar cell welds 2−18582
secondary standard solar cells with semi-absolute spectral response, generation procedure 2−18508
selective coatings, survey of present state of research 2−4340
semiconductor photoanodes, protection with photoelectrochemically generated polypyrrole films 2−25156
semiconductor solar cells, manuf. and performance evaluation *(Italian)* 2−18468

solar cells continued
semiconductor-electrolyte junction, superposition principle 2−4343
semiconductor-insulator-semicond. solar cell, 5(p^+n)IS struct. 2−28112
semiconductors at IBM: physics, novel devices, and materials science, review 2−20054
SERI-DOE Electrochemical Photovoltaic Cell program 2−23631
series resistance, meas. method using nonlinearity of short-circuit current 2−4346
shaded Sun sensor modelling, general approach 2−22616
short-circuit current prediction at reference irradiance conditions Si, ZZ 2−23610
a-Si:H photovoltaic cells conversion efficiency limiting parameters anal. 2−18517
Si, monocrystalline, laser-induced diffusion of variously deposited surface dopants 2−12902
Si Schottky barrier, eval. of Pd, Pt, Ni silicide stability and decomposition 2−8013
solar cell/battery plants for Danish telecommunication systems power supply, test facility 2−23475
solar power satellite technology, critical aspects 2−27823
solar powered water pumping station in France *(French)* 2−18061
solar-electric cars using storage batteries, feasibility in the near future 2−28153
space, large area, low cost, with optional wraparound contacts 2−17527
space applications, large area, low cost, optimisation 2−17528
space photovoltaic generator, design and testing, rational approach 2−22696
spacecraft charging induced discharges, voltage gradients in solar array cavities as breakdown sites 2−23425
spectral response, effect of minority carrier mobility variations 2−23563
telecommunication equipment power supplies appl. *(French)* 2−15999
terrestrial and satellite solar power stations *(Polish)* 2−28120
terrestrial photovoltaic modules, encapsulation system design 2−23500
testing, short interval 2−23513
Texas Instruments solar energy system development 2−12914
thermochemical, with Pu working fluid, for generating electrical energy 2−8002
thermoelectric refrigerator powered by photovoltaic solar collectors 2−18786
thermophotovoltaic convertor design using multi-band gap width solar cells and Fresnel lens 2−23474
thin film, min. photovoltaic module cost projections, realistic comparison 2−23535
thin foil solar cells for space arrays, design challenges 2−18540
thin-film solar cell research at Institute of Energy Conversion, Delaware, USA, progress report 2−4369
transient solar cell response to X-ray bursts 2−23506
US photovoltaic industry, government-industry relationships in technology commercialisation 2−23434
vertical, internal elec. field distrib. 2−12865
voltage converter for solar batteries/ using TL 496C IC *(German)* 2−896 2−7989
Al-a-Si:H, Schottky diodes, barrier height enhancement upon heat treatment 2−5729
Al-poly-Si Schottky-barrier, large grain, majority carrier current characteristics 2−4341
Al-SiO_2-Si, polycrystalline, grain boundaries passivation 2−12899
Al-SiO_2-Si MIS solar cell, elec. and photoelectric props. 2−12872
AlGaAs high-bandgap solar cell for 10-unit dichroic filter spectral splitter module 2−18601
AlGaAs, organometallic VPE grown, characterisation for solar cell appls. 2−13820
AlGaAs/GaAs, cascade solar cells, growth and characterisation 2−4372
AlGaAs/GaAs high efficiency cascade solar cells, efficiencies of 15% at AM0 and 16.4% at AM1 2−18550
AlGaAs/GaAs solar cells, high efficiency with high resist. to radiation damage 2−18585
AlGaAs-GaAs concentrator solar cells, computer-controlled flash testing system 2−16845
AlGaAs-GaAs concentrator solar cells, fabrication by OM-VPE and LPE, performance and durability 2−18571
AlGaAs-GaAs heterostructures, LPE growth for solar energy conversion 2−24281
AlGaAs-GaAs solar cells, deep-level defects, low temp. periodic annealing effects 2−18469
AlGaAs-GaAs solar cells, proton irrad., radiation-induced deep-level defects, annealing, DLTS, SEM 2−18551
$Al_xGa_{1-x}As$ p-n junction solar cells, grown-in deep-level defects 2−23616
AlGaAsSb/GaAsSb cascade solar cells, growth and characterisation 2−4372
AlGaAsSb-GaAsSb cascade solar cells, elec. and spectral response charcacts. 2−23617
CdS film, chemically sprayed, struct. and electronic props., solar cell appl. 2−5567
CdS, polycrystalline thin film, liquid junction, performance eval. 2−7963
CdS sintered ceramic ribbon solar cells, low cost, basic production processes development programme 2−12882
CdS:$Al_2O_3(SnO_2)$ coating prep. by spray pyrolysis, solar cells appl. 2−24990
CdS:$CuInSe_2$, vacuum deposition of $CuInSe_2$ on CdS, experimental methods 2−23457
CdS/CdTe, screen printed, technology developments *(Japanese)* 2−4351
CdS/Cu_2S, sintered, controlled annealing of sintered CdS layer effects on photovoltaic performance 2−8006
n-CdS/p-Si, heterojunction, characterisation 2−23459
CdS-CU_2S photovoltaic cell crystallographic anal. using SEM and EBIC mode 2−18510
CdS-CdTe thin-film backwall illuminated heterojunction solar cells, spray pyrolysis prep. 2−23592
CdS-Cu_2S, depth profiling, XPS and AES 2−4347
CdS-Cu_2S, junction-field and collection efficiency in current saturation range 2−23562
CdS-Cu_2S solar cells, CdS film fabrication by chemical spray deposition-ion exchange process 2−23586
CdS-Cu_2S thin film heterojunctions, photovoltaic properties, appl. to solar cells 2−20131
CdS-$CuInSe_2$ thin-film high-efficiency solar cells, development 2−23583
CdS_xTe_{1-x}, graded band gap, numerical model for photogenerated carriers distribution determ. 2−8003
CdS_xTe_{1-x} thin film, graded band gap, preparation and properties 2−5027
CdS_xTe_{1-x}, thin film, graded band gap, preparation and props. 2−8004
CdSe photoelectrochemical solar cells with polycrystalline photoanodes, role of disorder 2−4362
CdSe thin film, chemically deposited, for photoelectrochemical cells 2−19423
CdSe thin film MIS solar cell, characterization 2−23593
CdSe thin film photoelectrochemical cells for solar energy conversion 2−4371
n-CdSe/electrolyte interface, electrorefl. spectra, photoelectrochem. solar cell appl. 2−5650
CdSe-MIS, props. 2−23453
n-CdTe electrodeposited solar cells evaluation 2−23454
CdTe p-n junctions quantum and energy conversion efficiency 2−20130
CdTe solar cell fabrication by hot wall vacuum evaporation 2−23591
CdTe solar cells, high efficiency electrodeposited, development 2−28102
CdTe thin film appls. to solar cells *(Slovak)* 2−9437
CdTe thin-film Schottky-barrier solar cells, elec. props., limitations 2−23615
CdTe-Langmuir film MIS solar cells photovoltaic props. 2−23426
(CdZn)S/Cu_2S, thin-film, polycrystalline, 10% conversion efficiency 2−18523
CdZnS-Cu_2S thin film solar cells, Cu_2S and CdS lattice constants mismatch reduction for cell conversion efficiency optimisation 2−18513
CdZnS-Cu_2S thin film solar cells, 10% conversion efficiency 2−20088
$Cd_{1-x}Zn_xS/Cu_2S$ photovoltaic cells heterojunction energy band lineups anal. 2−18515
Cu_2-S-CdS backwall solar cells, sprayed ITO layers charcts. determ. for cell efficiency optimisation 2−18511
Cu_x-CdS polycrystalline heat-treated solar cells, atomic absorption anal. and auger depth profiles 2−23547
$CuIn_yGa_{(1-y)}Se_{2z}Te_{2(1-z)}$ heterojunction solar cells prep., RF sputtering technique, charcts. 2−23590
$CuInS_2$ photovoltaic material, growth and elec. props., solar cell and cell array appls. 2−20726
$CuInSe_2$, oxidation stability studies 2−18589
$CuInSe_2$-CdS thin film solar cells, development 2−23548
Cu_2O Schottky-barrier solar cells, minority carrier diffusion length meas. for Cu-Cu_2O functions 2−23611
Cu_2S/CdS solar cells, transient photovoltaic effect 2−28121
Cu_2S/CdS solar cells prepared by organometallic chemical vapor deposition: preliminary stage 2−23587
$Cu_2S/Zn_xCd_{1-x}S$ heterojunction solar cells formed on sprayed $Zn_xCd_{1-x}S$ films, properties 2−18514
Cu_2S-(Cd,Zn)S thin-film high-efficiency solar cells, development 2−23583
Cu_2S-CdS dry process solar cells, CdS carrier concentration influence on cell props. 2−18512
Cu_2S-CdS solar cells degradation, lateral diffusion effects 2−23546
Cu_2S-CdS sprayed backwall solar cells for terrestrial appls., reliability 2−23544
Cu_2S-CdS sprayed solar cells, losses 2−23543
Cu_2S-ZnCdS thin film solar cells, cross diffusion of Cd and Zn 2−23545
$Cu_{2-x}S$-CdS frontwall thin film solar cells, influence of performance of surface props. of $Cu_{2-x}S$ 2−18509
$Cu_{2-x}S$-CdS thin film solar cells with dual impurity distrib. in base 2−23432
Cu_xS/CdS solar cells, characterisation by photocapacitance IR quenching 2−12863
Cu_xS-CdS thin-film heterostruct. solar cell, struct. and phase studies by X-ray diffr. 2−23585
Cu_xS-CdS ungridded solar cell material, defect detect. by laser scanning 2−23584
GaAS photovoltaic systems for combined heat/electricity generation, using high solar concentration ratios 2−23470
GaAlAs/GaAs concentrator solar cells, nonlinear response to solar insolation 2−18587
GaAlAs-GaAs heteroface solar cell, window layer thickness, reflection loss minimisation 2−7992
GaAlAs-GaAs heterojunction solar cells with different contact materials, thermal stability 2−18539
GaAs, electron and proton damage coefficients and thermal annealing 2−23507
GaAs epitaxial thin film solar cell fabrication using organometallic CVD, single-crystal Si substrates 2−23588
GaAs high concentration photovoltaic cells, thermal impedance effects 2−18576
GaAs MOS solar cell, open circuit voltage enhancement mechanism 2−28101
GaAs, multicolor solar cell, vacuum metalorganic CVD growth 2−13816
GaAs n^+/p^+ tunnel junction, MBE, ohmic contact for cascade solar cell 2−4345
GaAs, optimum sunlight conc. in space, determ. 2−18555
GaAs, organometallic VPE grown, characterisation for solar cell appls. 2−13820
GaAs, pulsed UV laser photochemical doping, solar cell prod. 2−9563
GaAs shallow-homojunction solar cells on epitaxial Ge grown on Si substrates, CVD technique 2−23589
GaAs solar cell radiation damage, annealing, thermally and by minority carrier injection 2−18552
GaAs solar cell radiation damage and thermal annealing, conc. of vacancies, divacancies, thermochem. model 2−18553
GaAs, space appls. 2−18537
GaAs, status and prospects for space appls. 2−18536
GaAs, technology requirements for space missions 2−22694
GaAs thin film homojunction solar cells, charcts. 2−12850
GaAs thin film solar cells by OM-CVD growth, high efficiency 2−18538
GaAs thin-film MOS solar cells, 10 μm film thickness, charcts. 2−23621
GaAs thin-film solar cells 2−23527
GaAs ultrathin films, used for solar cell construction 2−28119
GaAs, with distributed parameters, I-V charcts. effect of ohmic losses 2−12873
GaAs:Zn(Mg)(Si)(Se) ion-implanted homojunction solar cells, pulsed ruby laser annealing, SEM, TEM and SIMS meas. 2−18554
GaAs-$Al_{0.2}Ga_{0.8}Sb$ non-lattice matched stacked solar cells, laser bonding 2−23630
GaAs-GaSb n-p heterojunction intercell Ohmic contact, laser bonded, for monolithic multicolour solar convertor 2−5601
n-GaAs-room temperature molten salt electrolyte interface, photoelectrochemical device operation 2−7995
$GaAs_{1-x}Sb_xGaAs$ heterojunction cascade solar cell, LPE growth and photocurrent spectra 2−23433

solar cells continued
Ge thin film p-n junction ultra high efficiency solar cell performance for solar thermophotovoltaic energy conversion 2−23460
Ge-GaAs bicolour system, Ge solar cell design and efficiency anal. 2−4367
H_2O photoelectrolysis in NaOH and NaCl electrolytes with Si photoelectrodes 2−28079
H_2O photoelectrolysis using composite semiconductor photoanode 2−28080
HgTe-CdTe ternary mixed alloys for tandem solar cell appls. 2−23596
In-phthalocyanine, metal free x-phase, solar cell, low freq. photocapacitance 2−18474
In_2O_3-SnO_2-n-Si SIS solar cells, fabrication and characteristics *(Korean)* 2−18479
p-InP based photocathodes, solar to H_2 conversion, polycryst. films improvement by reacting Ag with grain boundaries 2−23403
InP single crystals, n- and p-type, phototransport parameters, application in solar cells 2−6095
InP-based, fundamental physics and feasibility of efficient cell fabrication 2−23455
InP-$In_{2-x}Sn_xO_{3-y}$ solar cell fabrication, appl. of RF and ion-beam sputtering 2−23594
InSe, transport and photovoltaic props. 2−23458
In_2SnO_3-InP solar cells fabrication and characts. 2−23456
In_2SnO_3-Si solar cells fabrication using ion beam milling/sputter deposition and low pressure oxide growth process 2−23450
$In_{2-x}Sn_xO_{3-y}$ InP solar cells 2−12877
$In_{2-x}Sn_xO_{3-y}$/n-Si solar cells, stability 2−23640
$In_{2-x}Sn_xO_{3-y}$-poly-Si solar cells, efficiency, stability and reproducibility 2−23619
$In_{2-x}Sn_xO_{3-y}$-Si_3N_4-pSi tunnelling solar cells under concentrated light illum., conversion efficiencies 2−23618
$In_{2-x}Sn_xO_{3-y}$-SiO_x-pSi tunnelling solar cells under concentrated light illum., conversion efficiencies 2−23618
MnTe-CdTe ternary mixed alloys for tandem solar cell appls. 2−23596
n-MoS_2/I^-,I_2/Pt electrochemical solar cell, with layer-type semiconductor anodes, performance 2−4368
MoS_2/I^--I_2/C electrochemical solar cell, performance 2−18473
Ni and Cu screenable all-metal electrodes, fabrication and performance 2−12908
O_2 impurities effect on performance 2−23642
Pt-SiO_2-n-Si solar cells, elec. characts. *(Japanese)* 2−18481
Se-CdO photovoltaic cell fabrication by reactive sputtering 2−18490
Si 2−23491
Si, amorphous, bibliographies 1965-1980 2−12875
Si, amorphous, national photovoltaic program 2−20110
Si, amorphous, p-type hydrogenated, for solar cells 2−20111
Si, amorphous, photovoltaic devices, device physics and optimum design 2−25627
Si, amorphous, solar cell, p-i-n struct., stability 2−23418
Si, amorphous, solar cells, materials, assessment, internal field, hole transport and lifetime 2−23429
Si, amorphous, solar cells, industrialisation 2−23430
Si amorphous film, props. control by control of plasmachemical prep. processes, use in solar cells 2−19429
Si amorphous p-i-n junction, drift type photovoltaic effect 2−25106
Si, amorphous solar cells, state of the art review 2−23428
Si and Ge cascade photogenerators, matrix-type, practical realisation of series and parallel connected efficiency estimation 2−12851
Si, BSF, conventional and bifacial, n^+pp^+, Al-alloyed high-low junctions formation 2−12905
Si back surface field solar cells, theory 2−28122
Si, bicrystalline, scanning spectral response measurements for process optimisation 2−12904
Si, CVD, solar cell appl. 2−13847
Si candidate sheet materials for solar cells 2−23516
Si, carrier transparent and device performance, influence of cryst. defects, book contrib. 2−1169
Si, characts. and performance between low and high level injection 2−23490
Si, columnar, diffusion parameters optimisation using two-step diffusion of phosphorus 2−12900
Si, concentration, operating temp. effects on electrical performance 2−23467
Si concentrator, behaviour between 50 and 500 suns 2−18573
Si concentrator, high concentration levels 2−18567
Si concentrator solar cells, process optimisation and production experience 2−18569
Si, coplanar back contacts, wraparound junction design 2−18562
Si crystal growth, high-rate by low angle cryst. growth 2−13812
Si crystal growth, wide ribbon used for solar cell manufacture, crucible assembly 2−24276
Si, crystalline, non-single, grain boundaries electrical props. 2−12907
Si, current research trends 2−9410
Si dendritic web, wide ribbon growth, used for solar cell manufacture 2−24278
Si, efficiency enhancement by junction etching and conductive antirefl. coating processes 2−23497
Si electrodeposition on graphite, possible direct use in solar cells 2−5007
Si, electrodeposition onto Ag, time of electrolysis effects 2−18488
n-Si, electroless Ni plating, appl. to solar cells 2−24312
Si, electron and proton damage coefficients and thermal annealing 2−23507
Si epitaxial layer solar cell performance under electron irrad. 2−23503
Si, fabrication by orientation-dependent slicing 2−18565
a-Si, field effect and substitutional doping 2−25016
Si films, polycrystn., continuous growth by CVD 2−24289
Si fine line shadow masks for deposition of solar cell grids 2−23511
Si, flat spot phenomena observation 2−18584
Si grating-type solar cell design and anal. 2−23561
poly-Si, H_2 heat treatment for enhancement of minority carrier diffusion length for low-cost solar cells 2−18594
Si, HV high efficiency, MINP structure 2−23638
Si, heavily doped regions, modelling techniques, transport eqns. formulation 2−23492
Si, high efficiency, computer modelling on diffused Si cells *(Korean)* 2−18480
Si, high-efficiency 50-μm thickness solar cell development screen-printed Al paste back surface field technology 2−18563
Si, high-efficiency module, Matsushita development *(Japanese)* 2−4350
solar cells continued
Si high-resistivity n^+pp^+ solar cells, performance under 1 MeV electron irrad. 2−23504
Si ingot slicing with internal diameter saw, low-cost solar cell technology, economics 2−23582
Si ingot-casting process, Heat Exchanger Method, solar cell fabrication appl. 2−23572
Si inversion layer MIS solar cells, electrostatic effects 2−23641
Si, ion implanted polycryst. solar cells 2−4363
Si, ion-implanted, effects of laser and electron beam annealing 2−18502
Si, junction formation by ion implantation using high-current ion beam 2−23577
Si, laser-annealed, comparison between ion-beam and glow discharge implantation 2−18501
Si, laser-processed, effect of emitter dopant concentrations on open circuit voltage and fill factor 2−18499
Si, low cost manufacturing based on multiple EFG ribbon technology 2−12892
Si low resistivity solar cells, open-circuit voltage improvements 2−12916
Si low-bandgap solar cell for 10-unit dichroic filter spectral splitter module 2−18601
Si MIS, temp. dependence of short-circuit current 2−8010
Si MIS solar cell, AES study of stability 2−7998
Si, MIS/SIS structure advantages and problems in comparison to thermally diffused p-n junction structure cells 2−4373
p-Si, MISIM and induced back surface field solar cells 2−23639
Si, meno- and polycrystalline, As doping using laser-induced diffusion 2−9564
Si, metallurgical grade, epitaxial, heat treatment effects 2−18492
Si, metallurgical grade, semicrystalline material production solar cells 2−20070
Si, metallurgical grade, sheet growth using edge-supported pulling, for solar cells 2−20072
Si, metallurgical grade, substrate for epitaxial thin film solar cells, by heat exchanger method 2−23643
Si, monocrystalline, n^+pp^+ structure, junction formation and metallisation sintering using direct coupled microwave heating process 2−12901
Si n^+-p diffused solar cell, effect of junction depth on performance 2−18487
Si n^+-p-p^+ and p^+-n-n^+ back-surface field solar cells, effet of high level conditions 2−23558
Si, n^+p structure, 100 mm, reliable screen-printed contacts 2−12909
Si n^+pp^+ solar cells, high-efficiency, fabrication and characts. 2−12869
Si n-i-p, computer model 2−23557
Si, Ni/solder metallisation as inexpensive method of making electrical contact 2−12910
Si, optical absorption meas. for pure and heavily-doped materials, 1.24 to 4.63 eV, polarization modulation ellipsometry solar cell performance 2−23607
a-Si P-I-N solar cells, effect of F on performance 2−23532
a-Si P-I-N solar cells, field and light depend. effects, model 2−23531
Si p^+-n-n^+ concentrator solar cells, characterisation 2−18568
Si p^+-n-n^+ single crystal high efficiency solar cells 2−18525
Si, p^+nn^+ structure, open circuit voltage, influence of surface conditions 2−12906
Si p-i-n diode thermophotovoltaic cells recent developments in theory, fabrication and testing, high conversion efficiency design 2−18524
Si, p-n and n-p junction, effect of back surface field on open-circuit voltages 2−23435
Si, p-n junction, B implantation from BF_3 gas discharge source 2−12912
Si p-n junction, cut-off freq. meas. using chopped photon beam 2−20124
Si p-n junction solar cell, effective elec. field in n-type heavily doped emitter region 2−23431
Si photovoltaic power system for TV relay station *(Japanese)* 2−23367
Si, plated metal contacts to wafer, tensile pull-strength rel. to wafer surface roughness 2−23580
Si, polycryst., expt. assessment of shifting approximation 2−23423
Si, polycryst., high efficiency inversion layer solar cells by appl. of Si_3N_4 2−23422
Si, polycrystalline, effects of special processing on diffusion lengths 2−12903
Si, polycrystalline, effect of grain boundaries, review 2−23637
Si, polycrystalline, grain size dependence of photovoltaic props. 2−18489
Si, polycrystalline, p^+-n-n^+ structure, low cost development 2−12898
Si, polycrystalline, solar cell, anal. of photosensitive material *(French)* 2−12854
Si, polycrystalline, X-ray tropography and photoresponse of grain boundaries 2−23625
Si, polycrystalline films, diffusion length meas. method based on photovoltaic conversion 2−6088
Si polycrystalline MIS solar cell behaviour in H_2 passivation process 2−23620
Si polycrystalline sheet production by electrostatic spray process, solar cell fabrication 2−12915
Si polycrystalline solar cell performance, effect of grain boundaries, energy-gap narrowing, trap-assisted recombination 2−23493
Si polycrystalline solar cells, elec. and structural characts., effect of metallurgical grade Si additions 2−23571
Si, polycrystalline solar grade, directional solidification technique 2−20071
Si polycrystalline thin-film solar cells, progress and problems 2−23613
Si production by dichlorosilane process, cost anal. 2−28125
Si, pulsed UV laser photochemical doping, solar cell prod. 2−9563
Si, RAD process polysilicon sheets growth and performance progress 2−12893
Si, reduced annealing temps. 2−23505
Si, refined metallurgical, single crystal and polycrystalline solar cells, AM1 efficiency study 2−12857
Si rheotaxial film development by CVD on low cost substrate, solar cell appl. 2−609
Si ribbon and sheet growth processes for low-cost solar cells 2−23525
Si ribbon solar cells, conversion efficiency rel. to growth conditions and processing variables 2−23568
a-Si Schottky barrier solar cells, localised states and photocond. 2−4344
Si, screen printed Al paste back-surface-fields, quality monitoring 2−23509
Si, semicryst. solar cells 2−4342
Si semicrystalline Schottky diode, quantitative model of grain boundaries influence on junctions space charge 2−20233
Si semicrystalline solar cell, fabrication, 17% AM1 efficiency 2−23496

solar cells continued
Si, shallow junction, dependence of efficiency on substrate doping 2−12870
Si sheet, ion implanted thin film solar cells 2−23515
Si sheet growth by ribbon-to-ribbon process, scanned CO_2 laser beam appl., solar cell fabrication 2−23570
Si sheet materials, fabrication of solar cells using 1 MeV electron irradiation 2−23517
Si sheets, forming process, solar cell appl. 2−12867
Si sheets, large area, using EFG tube growth, for solar cells 2−23514
Si slicing using machine using multicutting wire technology 2−12896
Si solar cell, ion implanted; laser annealed, substrate heating and emitter dopant effects 2−4335
Si solar cell, low temp. solid-phase epitaxy 2−12848
Si solar cell, metal-insulator-semiconductor p-n, ion implantation doping 2−28104
Si, solar cell, n^+-p, electron irrad. and annealing effects 2−4339
Si, solar cell, single cryst. and polycryst., minority carrier diffusion length 2−18472
Si solar cell fabrication, carrier lifetime rel. to doping density, importance of low-temp. processing 2−18566
Si solar cell fabrication, p-n junction prep., one-step photochem. doping process using ArF excimer laser 2−23494
Si solar cell fabrication, p-n junction form., laser annealing of ion-implanted substrates 2−23495
Si solar cell processing, TiO_2:B antirefl. coating, spray deposition, p^+-n-n^+ struct. 2−23498
Si solar cell processing technology, possible advances during 1980s 2−23487
Si, solar cell type, contact resistivities of transition metal nitride metallisations 2−20216
Si solar cell; metal-insulator-n-p junction struct., 678 mV open circuit voltage 2−4338
Si solar cells, advanced design, electron irrad. test for space production units 2−23502
a-Si, solar cells, fabrication processes advances, review 2−28128
Si solar cells, grain boundary hydrogenation and impurity gettering of crystalline grains *(Japanese)* 2−4357
Si solar cells, high- and low-resistivity 2−18534
Si solar cells, influence of junction area to edge area ratio on open circuit voltage 2−23424
Si solar cells, minority carrier lifetime, laser-transient photovoltaic effect study 2−28110
Si solar cells and arrays, design and fabrication problems *(Japanese)* 2−4361
Si solar cells fabricated with Al back surface field, gridded back contacts, Ti-Pd-Ag metallization 2−18564
Si solar cells operating under medium solar concentration, structure optimisation 2−4370
Si solar cells prep., molecular ion implantation system appl. 2−5669
p-Si solar cells with high output voltage, Cr-Au-Ag contact metallization, 654 mV open-cct. voltage 2−18560
Si solid-phase epitaxy p-n junction formation, low-temp. technique for efficient solar cells 2−18593
Si, status, technology and development at INER, Taiwan 2−12911
Si, structure, energy transfer, optimum power output *(German)* 2−12853
Si, surface recombination velocity meas., SEM appl., textured front surface field and tandem function cells 2−23609
Si textured (100) oriented surfaces, optical characts., appls. to solar cells 2−23501
Si, thermal stability of impurities 2−23512
Si, thin cells, review 2−18535
Si thin film, applicability of vacuum deposited silicon 2−12895
Si, thin high-efficiency implementation, processing yields, electron, proton and neutron irrad. testing 2−18561
Si thin solar cells, optical confinement by diffuse back reflectors 2−23559
Si, thin-film, polycryst., comparison between MIS and p-n junction cells 2−23624
Si unconventional materials for solar cells, review 2−23518
Si vacuum deposited thin film solar cell, TiB_2 thin film electrode behaviour 2−28113
Si, variously fabricated, current status of performance 2−12891
Si, vertical junction, electron radiation tests 2−18583
Si wafer cost reduction for photovoltaics 2−5661
Si, with plated Ni-Cu metallisation system, reliability 2−23510
Si, with reduced temp. sensitivity 2−28105
Si:$B^+(P^+)(As^+)$, solar cells, prep. by ion implantation and pulsed laser annealing, optical and elec. characterisation 2−12862
Si:H, amorphous, MIS solar cell, interface state of oxidation effects 2−28115
Si:H, amorphous, reactively sputtered, solar cell, electron-hole recombination 2−23417
Si:H, amorphous, solar cell appl., spectral response and capacitance meas. 2−23566
Si:H, amorphous, solar cells, electronic props., review 2−24995
Si:H, amorphous, transparent- conducting coating 2−12859
Si:H, amorphous Schottky barrier solar cells, prep. by plasma decomp. and sputtering, carrier generation efficiency 2−12861
Si:H, amorphous thin films electrical and optical props. optimisation using RF bias-sputtering 2−23446
Si:H,P films, elec. props., transition to amorphous phase, solar cell props. 2−24927
Si:H amorphous film solar cell, Tandem type 2−28116
Si:H amorphous multijunction solar cells, conversion efficiency and interference effects in spectral response 2−23444
Si:H amorphous n-i-p solar cell, minority carrier transport in depletion layers 2−28117
Si:H amorphous solar cell, carrier collection, image force effects 2−4336
Si:H amorphous solar cell, plasma deposited, impurity effects 2−12864
Si:H amorphous solar cell, large area, conversion efficiency under AM1 illumination 2−23567
a-Si:H and a-Si:F:H P-I-N solar cells, photovoltaic behaviour 2−23533
Si:H Schottky barrier diodes, amorphous, electrical characterisation 2−23445
a-Si:H solar cells, impurity effects 2−23534
a-Si:H solar cells, material optimisation studies 2−23529
a-Si:H solar cells, N-I-P and P-I-N, photogenerated carrier collection and loss mechanism anal. 2−23530
Si:H/SiC:H amorphous solar cell 2−24997
Si:Li polycrystalline solar cells, effect of diffusion on grain boundary transport and minority carrier recombination 2−23622
solar cells continued
Si:P implanted wafer, multiscanning electron beam annealing, solar cells appl. 2−14614
Si:P ion-implanted solar cells, pulsed electron beam annealing 2−23581
p-Si/aqueous electrolyte interface in solar cells, oxide optimisation 2−12849
Si-F-H amorphous film, Schottky-barrier and MIS solar cell appls. 2−23564
Si-Ge two junction tandem solar cells for thermophotovoltaic appls. 2−23560
Si-on-ceramic, evaluation for low-cost fabrication 2−12894
Si-on-ceramic solar cells, grooved substrate to give back contacts 2−4354
Si-on-ceramic substrate fabrication using Si-coating-by-inverted meniscus process, solar cell appl. 2−23569
Si-Pd Schottky barrier solar cell, characts. 2−18471
a-SiC:H/a-Si:H heterojunction solar cell with conversion efficiency more than 7.5% 2−18588
SiGe:H amorphous film solar cell, Tandem type 2−28116
a-$Si_{1-x}Ge_x$ films for high performance 2−23447
Si_xGe_{1-x}:H alloy amorphous films, optical and elec. props., solar cell appls. 2−23565
SiH_4 pyrolysis in free-space reactor, Si production for low cost solar cell arrays 2−20069
SiH_x amorphous Schottky barrier solar cell, carrier collection efficiency, recombination effects 2−7994
a-SiH_x solar cells, AM1 short cct. current optical limitations 2−23528
SiMIS solar cells, potential advantages 2−23526
Si_3N_4, amorphous, MIS inversion layer solar cells fabrication, properties and performance 2−23452
α-$Si_{(1-x)}Sn_x$ alloy semicond. for solar cells 2−18591
SnO_2:F conductive transparent thin films, characts. for solar cells appl. 2−18493
SnO_2/CdTe photovoltaic cells, prep. and characterisation 2−12874
SnO_2/n-Si solar cells, stability 2−23640
SnO_2-n-Si SIS solar cells, fabrication and characteristics *(Korean)* 2−18479
SnO_2-SiO_2-n-type Si MIS solar cells fabrication and performance 2−23451
SnO_x-GaAs MIS solar cell, interface, Auger study 2−7996
TiN sputtered diffusion barriers, thermal oxidation 2−12880
V_2O_5-Si, photovoltaic cell, preparation techniques effect on oxide conductivity and open circuit voltage 2−8009
WSe_2/I^-, photovoltage 2−18478
ZnO-InP heterojunction, prep. using reactive evaporation, props. 2−8007
p-Zn_3P_2 thin-film solar cells, expt. results and anal. 2−23614
Zn_3P_2-Au(In) Schottky barrier solar cells, photo-voltage spectral response 2−18544
Zn_3P_2-Mg solar cells, interface reactions 2−23595
Zn_3P_2-Mg solar cells, interface reactions 2−23608

solar collectors *see solar absorber-convertors*

solar disturbances *see solar activity*

solar-electric power stations *see solar power stations*

solar energy concentrators
2.2 kW actively cooled point focusing photovoltaic array giving hot water 2−18103
air pollution effect on design and performance of solar energy systems 2−12548
concentrating photovoltaic-thermal systems vs. side-by-side systems, cost effectiveness 2−23553
concentrating solar panels design and application to electric/thermal energy conversion *(German)* 2−18075
dispersion concentrator optical characts., influence on photovoltaic systems 2−23469
fluorescent planar concentrators 2−25632
Fresnel lens 10-unit dichroic filter spectral splitter module for high efficiency 2−18601
Fresnel lens point-focus photovoltaic concentrator passively-cooled module, design and performance 2−18603
general remarks *(Italian)* 2−28107
high temp. heat production by solar energy use to investigate energy storage in reversible thermochemical cycles, development and testing of experimental facility *(German)* 2−12547
IEEE phtovoltaic specialists conference, Kissimmee, FL, USA (May 1981) 2−13168
low resistance solar cells for the first Spanish concentrating photovoltaic array 2−23466
low-cost Fresnel lens module, development and evaluation 2−18102
luminescent solar concentrator for photovoltaic systems, efficiency, temp. depend. 2−25631
miniaturised Cassegrainian-type concentrator solar array for space appls. 2−18531
nonimaging concentrators for photovoltaic arrays in space 2−18532
pentahedral pyramidal concentrator design for space solar array 2−22698
photovoltaic concentrating collector, optimization by maximization of energy incident on photovoltaic cell array 2−23483
photovoltaic concentrating collectors, linear-focus and point-focus Fresnel lens using Si solar cells, overview 2−23486
photovoltaic concentration module consisting of Si solar cells with facet cylindrical mirror coss, performance 2−23473
photovoltaic concentrator cell modules cost reduction by using automatic cell assembly, test modules testing 2−23471
photovoltaic concentrator module for combined heat/electricity generation, construction and testing 2−23472
photovoltaic concentrator test results and interpretations 2−23482
photovoltaic modules natural sunlight accelerated weathering using Super-Maq 2−18507
photovoltaic modules real-time performance testing 2−16844
photovoltaic/thermal concentrating collector prototype, tests and performance 2−23468
point-focus photovoltaic concentrator modules, compatibility of Fresnel lens and photovoltaic cells 2−18574
ponds, potential for use in South Australia 2−7777
radiation testing of spectrally selective reflectors for solar array concentrators 2−18533
reflector light-bulb enclosure for solar cells 2−8000
satellite power management 2−18526
secondary concentrators for parabolic dish solar thermal power systems 2−12559
solar power plant, heliostat, focusing of solar radiation, intensity distrib. 2−3981

solar energy concentrators continued
solar power station, 2.7 MW receiver, Na-cooled, design *(German)* 2−27835
space vehicles, superlight rotating reflectors 2−7363
thermal steam power systems, using multiple units of polar mounted solar collector 2−3991
thermoelectric generator, solar, design, regime characts., and comparison of calculated and experimental data 2−8016
thermophotovoltaic convertor design using multi-band gap width solar cells and Fresnel lens 2−23474
using either Fresnel lens or parabolic mirror 2−18101
AlGaAs/GaAs concentrator solar cell array, high efficiency-large area for concentrating photovoltaic array of 1 kWp, construction and performance 2−23212
GaAS photovoltaic systems for combined heat/electricity generation, using high solar concentration ratios 2−23470
In_2O_3 coated optical solar reflectors to eliminate spacecraft surface charging 2−20709

solar energy conversion
see also solar absorber-convertors; solar cells
active solar heating and cooling systems, performance and cost 2−13084
active solar heating and cooling using heat pump systems 2−13083
ammonia thermochemical energy transport/ in a distributed collector solar thermal power plant 2−23203
analysis of solar powered electric water pumps/ 2−23204
building heating and cooling, analysis in India 2−23781
central receiver system utilising molten nitrage salts for heat transfer and energy storage, materials requirements 2−3985
climatological aspects and solar system CAD *(Dutch)* 2−27819
combined flat-plate photovoltaic/thermal collectors, comparison with separate collectors 2−23538
electrochemical utilisation of solar energy/ *(German)* 2−4325
experimental house, solar-electric 2−28250
French experience in the usage of photovoltaic batteries in developing countries *(French)* 2−23478
molten salt advantages 2−12940
new system of storing and primary cooling of fish in villages of isolated fishers and based on solar energy *(French)* 2−23480
phototron, direct conversion of light to radio frequency energy 2−9382
photovoltaic energy effort in US, review 2−18546
photovoltaic home installation, experience 2−28127
photovoltaic science and technology, current state-of-the-art and future prospects 2−18545
photovoltaic systems, stand-alone residential parametric anal. and SOLSTER simulation model 2−23556
photovoltaic systems under user-environment field test, overview 2−23605
photovoltaic technology, outlook for European Economic Community 2−18549
photovoltaic technology for space appls., NASA outlook, trends and forecasts 2−18547
power supplies for one family housings, economic survey *(Spanish)* 2−18482
residential photovoltaic system design 2−28126
satellite microwave solar power system, antenna optimisation and cost consideration 2−18528
satellite microwave solar power transmission and reception system 2−18527
satellite power system 2−18483
semiconductor photovoltaic devices for solar energy conversion, efficiency max. rel. to struct., tandem cell 2−23488
solar pond driven distillation and power production system 2−18089
solar ponds, current development trends 2−23202
solar simulator-pumped gas laser for the direct conversion of solar energy 2−12554
space power research and technology at NASA 2−18418
telephone exchange power supply using solar generator, experimental installation *(German)* 2−23195
Texas Instruments solar energy system development 2−12914
thermal energy storage 2−23655
water-steam cycle regulation in a solar boiler 2−23421
Si, polycrystalline ribbons elaboration for solar energy conversion 2−18491

solar energy power stations *see solar power stations*

solar furnaces *see furnaces*

solar noise *see noise; solar radiofrequency radiation*

solar power
see also solar energy concentrators
100 kW utility interconnected flat panel photovoltaic system, design and start-up performance 2−23649
all-solar electric residence, Carlisle house 2−23644
alternative energy sources, conf., Miami Beach, FL, USA (Dec. 1980) 2−3986
alternative sources of power 2−22976
assisted heat pump system, thermal anal. and outline 2−18780
boiler, solar powered, temperature regulator design, effect of nonMarkovian cloud patterns 2−18080
British market penetration model 2−17807
buildings heating, ventilating and air-conditioning energy requirements reduction measures in USSR *(German)* 2−23772
central receiver system repowering of gas- and oil-fired power plants 2−23211
climatological aspects and solar system CAD *(Dutch)* 2−27819
decentralized solar energy and the electric utilities 2−17648
DELPHOS project, flat-plate photovoltaic power system, appls. 2−23217
desalination, design 2−12432
desalination, development in the USA 2−12430
development programme, planning for next 20 years, United States 2−18079
development prospects and electric power generation by thermodynamic methods in USSR 2−3970
development trends, Papua New Guinea 2−12549
domestic solar heater system, control using diode temp. transducers *(Spanish)* 2−13087
domestic solar photovoltaic power systems, design and installation 2−23420
economic impact of state ordered avoided cost rates for photovoltaic generated electricity 2−18600
electric water heating in the home, solar assisted systems *(French)* 2−28229
electricity and heat generation for homes and factories 2−18078

solar power continued
electricity and some new energy sources *(French)* 2−22977
energy planning and economy in US *(Hungarian)* 2−18047
energy source, conditions and justification for introduction of new sources *(Croatian)* 2−22999
experimental evaluation of a prototype hybrid redox halogen energy storage device for storing solar and geothermal energy 2−12954
extraterrestrial solar radiation meas. and analysis 2−12544
feasibility of electricity generation from wind and solar energy *(French)* 2−12543
flight from Paris to London by solar-powered aircraft 2−22701
flywheel storage for solar photovoltaic systems, performance characts. 2−23522
French public photovoltaic market stand-alone appls. 2−18580
global solar power generation and microwave transmission via satellite 2−3974
grain drying, solar heated dehumidification system in India 2−8129
grid-interactive solar photovoltaic elec. system, elec. power and space heating appls. 2−18099
ground level versus geostationary platform, economic and technical aspects *(Italian)* 2−18094
heating, cooling and hot-water system, config. *(Japanese)* 2−12871
hybrid solar powered desalination plant 2−12431
IEEE phtovoltaic specialists conference, Kissimmee, FL, USA (May 1981) 2−13168
impact of residential photovoltaic power system on an electric utility 2−18598
industrial process heat installation data acquisition and instrumentation system 2−7601
institutional issues−major issues and their impact on widespread use of photovoltaic systems 2−18599
instruments for solar surveying, procedures and pitfalls 2−22313
integrated wind and solar powered desalination facility 2−12433
interplanetary Mars-Earth-Venus shuttle, flight characts. with solar powered thermionic generator 2−17531
irrigation water, economic feasibility of solar pumping/ 2−23846
Kentucky solar house: a flexible experimental test bed 2−18783
liquid-metal MHD cycle operation for solar collectors and fossil-fuel combustors 2−23650
lumber drying, solar dehumidification technique 2−18826
materials science (book) 2−4586
micropump, solar product optimisation 2−23636
microwave power transmission components for solar power satellite, review 2−24656
Mount Laguna Solar Photovoltaic Installation, performance characts., life cycle model 2−23612
net energy analysis, economics vs. energetics 2−3978
on-site photovoltaic system interconnection with electric utility 2−18081
passive solar heating, system installations with backup electric heat 2−8094
Phoenix Airport, Arizona, solar photovoltaic concentrator project, 225 kW 2−18098
Photovoltaic Concentrator Application Experiment at Sea World Park, Florida, turntable solar cell array appl. 2−18097
photovoltaic medical refrigerator, design requirements critique 2−23541
photovoltaic power system, 3 kW, operating characts., optimum system definition 2−23221
photovoltaic power system appls. to instrumentation at remote US Army test centres 2−23219
photovoltaic power system for Natural Bridges National Monument, operation 2−23220
photovoltaic power system reliability anal., maintenance availability, life-cycle cost calc. 2−23216
photovoltaic power systems, simulation and design 2−23555
photovoltaic power systems, system outages, reliability and repair economy of future systems 2−23215
photovoltaic systems, review of development and appls. 2−4364
photovoltaic systems, stand-alone residential parametric anal. and SOLSTER simulation model 2−23556
photovoltaic systems under user-environment field test, overview 2−23605
photovoltaic technologies, performance criteria and standards development 2−18543
photovoltaic water pumping with reciprocating volumetric pumps 2−23635
photovoltaics for residential applications in France, future prospects 2−18522
Princeton Energy Recycling Centre, equipment for waste treatment and electric energy generation 2−12489
profitability prediction in the development of new technologies *(German)* 2−23228
rechargeable alkaline zinc/ferricyanide hybrid redox battery for utility load levelling and solar photovoltaic/wind appls. 2−12823
renewable energy resources and development, regional planning *(French)* 2−12331
renewable energy sources *(French)* 2−12330
residential photovoltaic power systems line-commutated invert, anal. and test 2−23521
residential-electrification photovoltaic power systems for Hopi Indian reservation, New Mexico, USA 2−23218
retrofitted solar-assisted heat-pump system, performance evaluation in hot/arid climate 2−18779
salt-gradient pond surface convective layer digital simulation 2−8765
satellite solar power stations, control and erection, need for high accuracy 2−17462
satellite solar power stations, thermal efficiency aspects *(Italian)* 2−18095
satellite solar power system launch into geosynchronous orbit, transportation system and cost comparison 2−17461
seawater desalination system, stand-alone design, 8 kW ribbon photovoltaic array power system, drinking water provision 2−23850
Sol-Temp system, total energy solar collector for buildings 2−8099
solar energy plant with electrically driven heat pump for room heating and hot water, numerical simulation *(German)* 2−28247
solar energy water desalination in the United States and Saudi Arabia 2−12428
solar house, Raytheon solar climate control system 2−18770
solar pond driven distillation and power production system 2−18089
Solar Power Satellite laser beam power transmission, power generation from laser-produced plasma *(Japanese)* 2−4379
solar powered pumping plants characts. 2−18063
solar powered thermoelectric generator, efficiency 2−18614

solar power continued
solar-electric cars using storage batteries, feasibility in the near future 2−28153
spectral irradiance, meas. at Tanashi, Tokyo, Japan *(Japanese)* 2−10511
stand-alone photovoltaic systems, effects of controls and controllable and storage loads on performance 2−23520
sunscreens performance for reducing air-conditioning loads in residential buildings in San Diego County 2−23780
Swiss research and development, KNS activities *(French)* 2−3830
system design for a commercial solar Brayton cycle central receiver water desalination plant 2−12429
technical aspects of solar energy systems for low-calorie applications *(Dutch)* 2−23196
terrestrial photovoltaic modules, field test sites, array reliability, failure mechanisms 2−23599
thermal power plants, utilization of waste hot water for distillation 2−23065
thermal process heating, collector cleaning costs 2−23208
transient analysis of solar air heaters using a finite difference technique 2−19343
utilisation to increase thermal comfort in buildings 2−18782
utility interactive, depend. of delivered energy on invertor characts. 2−23519
utilization of wind/solar energy in generating electricity in Saudi Arabia 2−18134
water supply, electrical power system, solar cell array appls., pump selection, monitoring and control *(German)* 2−28315
world use, appls. and experiences *(German)* 2−23200
H_2 storage, biomass, solar energy system for agriculture, drinking water and hydroelectric power 2−18058
Na-S battery for small stand-alone solar and wind energy systems 2−12827
Pb accumulators for storage of electricity derived from solar energy *(French)* 2−23656
Pb-acid batteries for photovoltaic systems, operational experience 2−23523

solar power stations
1 MWe, commercial electricity generation, Sicily 2−7775
1 MWp central photovoltaic plant, feasibility of connection to European electrical network 2−18085
2.7 MW receiver, Na-cooled, design *(German)* 2−27835
10 MW solar thermal generating station in Mojaue Desert, USA 2−3975
20kW photovoltaic flat-panel power systems 2−23222
50 kW photovoltaic power plant coupled to the 15000 V electricity grid 2−12552
60 kW, anal. after first year of operation 2−12550
100 kWel/500 kWth solar farm type power station in Kuwait, multi-purpose project 2−7776
500 kW, receiver and steam generator 2−12546
500 MWe solar central receiver hybrid plant, design and economic anal. for energy savings 2−3977
advanced solar power stations, performance and energy cost, regional insolation effect 2−23206
air pollution effect on design and performance of solar energy systems 2−12548
ammonia thermochemical energy transport/ in a distributed collector solar thermal power plant 2−23203
analysis and control in Eurelios power plant *(Italian)* 2−18066
array subsystem development for photovoltaic array fields cost reduction 2−23536
atmospheric changes caused by central receiver 2−18072
cavity tube receivers design *(German)* 2−18068
central receiver system utilising molten nitrage salts for heat transfer and energy storage, materials requirements 2−3985
central receiver test facility, Albuquerque, USA, heliostat characterisation 2−7780
central tower test facility 2−12558
ceramic materials, for German solar tower power plant 2−3971
concentrating solar panels design and application to electric/thermal energy conversion *(German)* 2−18075
control system development 2−12562
control systems for United Stirling 4-95 engine in solar application 2−12440
development prospects and electric power generation by thermodynamic methods in USSR 2−3970
Dish-Stirling elec. generation system, thermal and optical considerations 2−3988
domestic solar photovoltaic power systems, design and installation 2−23420
dynamic analysis and operation criteria 2−27838
dynamic performance anal. 2−12563
economics of photovoltaic systems in elec. utility appls. 2−18100
electric power from photovoltaic installations, practical appls. 2−18470
electric utility modelling extensions to evaluate solar plants 2−23199
energy from space, 21st International and Scientific Space Congress, Rome 1981 Mar. 2−13159
'ESPOIR' and 'SPES', photovoltaic solar systems for isolated communities 2−18087
gas-cooled solar tower power station, combined gas-steam cycle 2−18067
ground-mounted thermal storage for the parabolic dish solar collector/Stirling engine system 2−18088
heat and electricity production by solar focusing collectors *(French)* 2−12539
heliostat, focusing of solar radiation intensity distrib. 2−3981
heliostat field, kinematical parameter determ. for field steering 2−27837
high temp. heat production by solar energy use to investigate energy storage in reversible thermochemical cycles, development and testing of experimental facility *(German)* 2−12547
high temperature thermal dynamic cycle, technical and economic aspects *(Rumanian)* 2−3972
hybrid wind/photovoltaic concept for stand alone systems, merit anal. 2−23214
in-space inertial energy storage design for photovoltaic energy storage, application in space shuttle programme 2−12952
intermediate-size photovoltaic power system for remote appl., system design and reliability considerations 2−23537
International Energy Agency project in Almeria province, Spain 2−18070
lightning protection of photovoltaic power systems 2−23542
low resistance solar cells for the first Spanish concentrating photovoltaic array 2−23466

solar power stations continued
low temperature thermodynamic power plants, development and appl. *(French)* 2−12541
microwave beams from solar power satellite, ionosphere heating effects 2−27833
microwave radiation from solar power satellites, biological effects and exposure standards 2−27208
mixed photovoltaic-wind station for a village in Senegal, technical details, operation and performance 2−18086
online parameter estimation of solar circuit 2−7782
organic Rankine cycle engine solar receiver development 2−12561
parabolic dish systems, effects of thermal buffer storage performance 2−3990
photoelectric plants for irrigation and supply of water to agricultural users 2−7774
photovoltaic concentrating energy system for heat/electricity generation at Wilcox Memorial Hospital on Kauai in Hawaii 2−23213
photovoltaic pilot plants construction proposals in European Community 2−12551
photovoltaic pilot projects in the European Community 2−18069
photovoltaic power generation system interconnected with mains 2−18083
photovoltaic power system interconnected to mains, Power Conditioning Unit 2−18084
pilot IOMWE plant evaluation, master control system, concept and implementation 2−7789
pilot plant, solar energy receiver performance tests 2−3973
ponds, potential for use in South Australia 2−7777
Qattara hydroscalar project, Egypt 2−12530
real time digital simulator for testing the control system of the solar power plant 2−7778
reception centre cost anal., TV transposer powered by solar and wind generators 2−21950
'Refuge des Evettes' 5 kW photovoltaic generator, operating data anal. 2−18082
reliability planning for solar electric power generation 2−7779
repowering plants evaluation 2−12564
Salton Sea salt-gradient solar ponds 2−12556
Salton Sea Solar Pond Power Plant 2−12555
satellite, off-shore microwave receiving antenna elements, effects of ice formation 2−10599
satellite, present status of solar cells *(Polish)* 2−28120
satellite antenna arrays, performance meas. aspects 2−27826
satellite launch vehicle requirements, economic and technical 2−27821
satellite photovoltaic solar array development requirements, assessment 2−27822
satellite power system concept development and evaluation programme, in USA 2−27830
satellite solar power stations, environmental factors associated with construction and operation 2−18093
satellite solar power stations, microwave power transmission, problems, solutions, and research necessary 2−18091
satellite solar power stations, microwave power transmission mechanical problems and nonlinear effects 2−18092
satellite solar power stations as world-wide energy system, market potential and physical limitations 2−18090
satellite solar power systems, energy balance aspects 2−18096
satellite technology, critical aspects 2−27823
satellite transmitting antenna, radiation patterns 2−27829
satellites, economic feasibility study 2−27824
satellites, environmental effects on upper atmosphere 2−27827
satellites, health and environmental risk evaluation 2−27825
satellites, integration with utility system networks 2−27832
satellites, potential 2−27820
satellites, potential contribution to energy needs in Europe 2−27831
satellites supplying power to Western Europe, antenna technology aspects 2−27828
secondary concentrators for parabolic dish solar thermal power systems 2−12559
site selection, energy anal. and cost effectiveness *(Japanese)* 2−3979
small community system, concentrator field effect 2−12560
solar hydrogen plantations for hydrogen production, feasibility and economics for replacing fossil fuels 2−27836
solar ponds, current development trends 2−23202
solar repowering of fossil plants−an emerging technology/ 2−3989
solar thermal power plant, with heliostats field and tower *(Rumanian)* 2−12545
solar vapour-turbine two-circuit systems using organic working fluids, power, mass and size parameters anal. 2−12538
solar-thermal pilot plants operational testing *(German)* 2−23209
steam generator control system design and simulation 2−27839
steam generator development 2−12557
terrestrial, present status of solar cells *(Polish)* 2−28120
Themis, solar power plant, heliostat field, solar collector *(French)* 2−12540
thermal, net energy anal. 2−3987
thermal steam power systems, using multiple units of polar mounted solar collector 2−3991
thermal-electric systems, receiver optical props. effect 2−23205
thermophotovoltaic conversion for electric utility appls., feasibility 2−23210
transmitting energy to earth via 2.45 GHz continuous wave microwaves, effects on honey bee colony 2−27834
AlGaAs/GaAs concentrator solar cell array, high efficiency-large area for concentrating photovoltaic array of 1 kWp, construction and performance 2−23212

solar radio emission *see solar radiofrequency radiation*

solar radiobursts *see solar radiofrequency radiation*

solar radiofrequency radiation
No entries

solar radiowaves *see solar radiofrequency radiation*

solar spectra
see also solar activity
No entries

solar system
see also celestial mechanics; planets; Sun
astrometry, relativistic effects in radar, optical and radio-interferometric meas. 2−6880

solar visible radiation *see sunlight*

soldering
automatic PC soldering, solder dynamics optimisation, reduction of icicle/bridge form. 2−19964
automatic soldering unit for PCBs using immersion-drawing technique 2−19981
ball-limiting metallurgy improvement process 2−18990
cable solder/insulation packages for splicing and termination, advantages 2−980
ceramic thin film ICs to ceramic chip carriers using solder post attachment 2−24850
clinched-lead PWB components, mechanical connections, quality soldering 2−9306
computer PCB manufacture, solderability/cleanability requirements of water soluble fluxes vs. rosins 2−14507
contact formation mechanism, automatic soldering equipment *(Polish)* 2−13282
continuous vapour phase soldering systems, used in electronic production 2−8266
cotter pin terminals, used for PCBs soldered connections 2−9323
electrical connectors, using Sn and Sn alloy plating 2−5415
electronic assemblies, aqueous processes for wave soldering/cleaning, effluent treatment 2−13285
electronic grade solder pastes, technology 2−9340
electronic packaging and production, conf., Anaheim, CA, USA (Feb. 1981) 2−24001
electronic packaging evolution in IBM, review 2−18997
flux activity testing on production line 2−13288
flux properties, standardisation 2−13287
hermetic ceramic chips carrier interconnection with printed wiring boards 2−9324
hybrid IC, monolithic ceramic chip capacitor mass tinnning using vapour phase reflow process 2−14543
hybrid IC condensation soldering facilities, ionic residue measurement and control 2−14542
hybrid ICs, leadless ceramic chip carrier attachment using vapour phase soldering 2−14544
hybrid ICs, solder paste process 2−1070
immersion solder process, life and effectiveness determ. of glycerin/EDTA 2−4648
IR furnace systems, solder fusing and other applications 2−18758
iron idler cct., to keep iron warm without overheating 2−21117
laser applications in electronics prod. 2−10398
laser microsoldering, productivity improvement 2−20010
mass reflow soldering, heating technique using vapour condensation machine, elec. immersion heater bank 2−13286
mass soldering, high quality, for high density PCBs 2−14409
mass soldering system, for high density electrical interconnections 2−18995
microelectronics, conf., Tokyo, Japan (May 1980) 2−5
microsocket solder joints, anal. of thermal cycle fatigue damage 2−24852
multilayer PCB IR solder reflow, elimination of blistering and delamination 2−14465
p-i-n-p-i-n diode structs., group selection technique of preparation *(Russian)* 2−1343
PC assembly, non-wetting and de-wetting of solder to plain laminate, inspection 2−24786
PCB, effects of water soluble flux materials on cct. board insulation resist. 2−24807
PCB, wave soldered, troubleshooting chart 2−19960
PCB assemblies, automated batch vapour defluxing and wave soldering 2−24813
PCB chip carrier assemblies in 1980s 2−14444
PCB cleaning process for removal of rosin, modified rosin, and organic acid fluxes 2−14496
PCB contact pools, excess solder removal whilst in molten state using squeegee system 2−24780
PCB design rel. to soldering and defective component unsoldering 2−9299
PCB desoldering, factors affecting success 2−9284
PCB dry film solder masks using negative working photopolymer 2−14436
PCB IR fusing and board cleaning 2−24812
PCB laser microsoldering using CO_2 laser 2−24806
PCB manufacture, non-rosin based soldering chemicals, recent developments 2−14504
PCB precision solder masks using liquid epoxy photopolymer 2−14413
PCB protective solder coating thickness considerations for hot gas levelling 2−14433
PCB shelf life solderability maintenance by air levelling 2−14435
PCB solder, wetting properties, effect of metallic impurities 2−14434
PCB solder adhesion reliability, oxide particle accumulation at solder-Cu interface, ageing tests 2−5457
PCB solder-coater-levelling, hot-air techniques, Schmid SCL System 2−14463
PCB soldering and cleaning productivity using cost-effective solvent soluble manufacturing aids 2−24814
PCB technology, photopolymerisable epoxy resins, appls. as solder varnishes 2−14418
PCB wave soldering, practical approach, return to basics 2−24798
PCB wave soldering, soldering performance of fluxes for zz 2−24805
PCB wave soldering with air-knife, GBS system 2−14445
PCB wave-soldering, high efficiency with noncorrosive rosin fluxes 2−14446
PCb wave-soldering, non-rosin based fluxes, developments 2−14448
PCBs, automatic component lead trimming methods and materials, wave soldering trends 2−14432
PCBs, colophony-base fluxes, effectiveness, board insulation resistance effects 2−14477
PCBs, flux choice criterion rel. to reliability 2−9319
PCBs, insulation resistance between conductive paths rel. to use of water-soluble fluxes in soldering 2−14478
PCBs, permanent photopolymer dry film solder mask coatings for high-density PWB designs 2−14437
PCBs, reflow soldering machine using transverse Joulean heating, mass termination appls. 2−14491
PCBs, UV curable solder masks, optimum performance attainment, review 2−14412
power transistors, improved cost effectiveness and product reliability through solder alloy development 2−9339
precision hand soldering techniques, automatic soldering *(Polish)* 2−13283

soldering continued
preform with fusion temp. gradient 2−4647
printed circuits, conference, London, England (June 1978) 2−13160
printed wiring board, solder fusion, IR system, Sn/Pb plating on board 2−9318
PWB manufacturing technology, use of conformal coating/solder maskant systems for simple maintainability 2−14508
seam nonuniformity detection using holographic matched filtering and electronic processing 2−14535
silver-containing contacts with a copper sublayer and a method of their welding *(Russian)* 2−24757
soft-soldering problems, anal. at academic research laboratory 2−14447
solar array soldering, using heat lamps 2−28118
solder joint inspection on PCBs using laser-pulse heat injection and IR thermal sensing 2−9322
solderability test methods of plated through holes *(Hungarian)* 2−14408
squeaking solder powder, composition and appls. 2−8267
tabs, arc spraying to glass using Al and Cu 2−4649
temperature controller for soldering iron, using triac *(Spanish)* 2−23991
thick film hybrids, solder attachment of leaded components 2−24851
tinnable Cu solder sites on thick film Au terminations, prep. 2−24758
training course for technicians working on high reliability equipment 2−23
training programme for assemblers and inspectors 2−13206
transistor lead-forming tool, used to improve solder joints in PCBs 2−25207
US methods of nondestructive testing of soldered joints *(German)* 2−24013
vapour-phase chip carrier removal 2−1036
water-soluble flux technology 2−23990
wave solder inspection process, unnecessary rework reduction 2−13300
wave soldering, future trends 2−13284
wave soldering machine for PCBs *(Hungarian)* 2−28286
wave soldering optimization 2−24797
wave soldering process load centers and quality improvement for fine line PCBs 2−24799
Ag containing thick film conductors, low cost, advances 2−24832
CO_2 laser microsoldering, for PCB components using microprocessor control 2−9304
Cu_6Sn_5 thermal expansion coeff., application to solder joints 2−13851
Si-to-ceramic solder connectors, top seal composition 2−87
W source quality and intensity monitoring system for individual chip-joining tool 2−4646

solenoids
see also coils; electromagnets
application to phys. research in const. fields, 12 T induction, construction and test results 2−10450
bipolar, with position indication, remote control using minimum of wiring *(Italian)* 2−2097
Clarendon Laboratory, high field facilities 2−78
design and checking with programmable calculator *(Spanish)* 2−15656
DM2 solenoidal detector at DCI, realisation, main parameters 2−7260
EM screens for solenoids, machines and transformers, design problems *(Russian)* 2−2169
Faraday effect measurements by Magnetic Scalar Potential Difference 2−6307
glued pancake coils for Bitter solenoids 2−6308
ground plane insulation failure in the first TPC superconducting coil 2−5947
insert coil for SULTAN, design and construction 2−5964
KEK superconducting solenoid and its cooling system for pulsed muon channel 2−7267
laboratory scale with multifilamentary Nb_3Sn superconductors 2−2099
large low aspect ratio energy storage supercond. solenoids, conceptual design 2−4381
outer solenoid for SULTAN 2−5963
rectangular cross-section, mag. field calc. in the bore 2−25915
rippled, thin walled, force and mag. field calcs. 2−6315
split superconducting solenoid, design and testing 2−1658
superconducting, computation of minimum vol. sixth order 2−5944
superconducting pulsed solenoid commutated by elec. explosion method 2−9951
superconducting solenoids, strain and stress analysis 2−9953
Fe core high current density high field supercond. solenoid 2−5967
Nb_3Sn high field tape solenoids with large radial access 2−5966
Nb_3Sn superconducting cable, internally cooled, performance in solenoid 2−5974
NbTi cable in conduit windings for 113 mm bore solenoid, design, construction, test 2−1659
NbTi filamentary cable solenoid 2−1660

solid electrolytes *see superionic conducting materials*

solid lasers
see also gamma-ray lasers; Raman lasers; semiconductor junction lasers
active media, development trends 2−20854
active-passive mode-locked oscillator generating nanosecond pulses 2−1926
alkali halides, Tl^+-doped, F_A-type centre broadly tunable CW laser operation, optical props. 2−15491
amplifier ultimate parameter estimation, spatial filtering 2−20866
amplifier using plate with refl. from lateral surfaces 2−10282
anisotropic laser crystal rod, thermo-optic props. *(Chinese)* 2−6193
CdS screen characts., dislocation influence 2−20867
color centre CW laser, grazing angle grating tuner for single-mode operation 2−1984
colour centre laser conversion into high resolution laser spectrometer, computer control 2−25878
colour centre lasers, flashlamp excitation 2−6202
colour centre tunable laser development, review 2−20856
colour-centre crystal solar-radiation-pumped CW laser, feasibility study 2−1932
distance measurement, range of apparatus *(Rumanian)* 2−11623
dye solution passive picosec. switches, relax. time determ. using Nd:glass laser 2−2016
F-like centre laser development and potential appls. *(Chinese)* 2−6194
glass active elements, heat treated, lasing characts. 2−6198
glass lasers for thermonuclear fusion 2−20857
glasses, highly conc., spectroscopic and lasing props. 2−25747
laser optics, conf., Leningrad, USSR (Jan. 1980) 2−18844
multielement amplifier systems, evolution of local perturbations 2−25762

solid lasers continued
multimode lasers with internal variable lenses, stability and beam divergence 2−15533
Nd^{3+}:YAG pulsed-pump tunable lasers 2−20855
Nova high power Nd:glass laser, two-colour freq. conversion system 2−2022
Omega automated laser control and data acquisition 2−1924
phosphate glass laser oscillator, mode-locked and Q-switched 2−10270
pump cavity design around flashlamp 2−15522
regenerative amplifier development at the Laboratory for Laser Energetics 2−1982
research and applications, review *(French)* 2−15428
ring laser, influence of difference between resonator Q factors on opposite wave interaction 2−25810
ring lasers, 2−1977
ruby, Q-switched, selfmodulation mechanism 2−20862
ruby laser in γ-radiation field, colour centres, laser generating props. *(Russian)* 2−15500
ruby lasers in ophthalmic surgery 2−7341
ruby passively mode-locked laser construction, transient stimulated Raman scatt. in liqs. 2−15495
sapphire tubes, Stepanov growth, appl. of profiled single cryst. in pulsed pump system 2−1985
sapphire tubes, Stepanov growth, appl. to equalisation in active medium of solid-state laser 2−1986
self-focusing prevention by active medium length reduction 2−25761
semiconductor laser with magnetoacoustic transitions, threshold charcts. calc. 2−1929
semiconductors, laser radiation, submicron, from exciton transitions excited by external source 2−25752
stability of the periodic output of solid-state lasers with negative feedback 2−15498
superconducting weak-link system, EM wave stimulated emission feasibility 2−25763
temperature field of the active element of a solid-state laser with a liquid cooling system 2−15487
$AgGaSe_2$, noncritically phase-matched, tunable coherent 16 μm radiation by difference freq. mixing 2−10271
$BeAl_2O_4:Cr^{3+}$, spectroscopic and lasing props. 2−10278
CaO, CW laser action using F^+-centres, 357-420 nm tunable range 2−1927
Cd_3P_2, stimulated emission 2−10279
CdSe, noncritically phase-matched, tunable coherent 16 μm radiation by difference freq. mixing 2−10271
$Co:MgF_2$, optically pumped transition-metal lasers, scaling up 2−15501
Cr^{3+}, Nd^{3+}:phosphate glass, energy transfer between Cr and Nd ions 2−25760
$Cr^{3+}:BeAl_2O_4$, alexandrite, ground-state and excited-state absorpt. meas. in lasing region 2−6201
$Cr^{3+}:BeAl_2O_4$, alexandrite laser charcts. 2−6203
$Dy^{2+}:CaF_2$, pot. as continuously tunable far-IR laser 2−25748
Er^{3+}:YAG crystals, stimulated emission spectrum due to self-saturating transitions 2−15499
$Er_3Al_5O_{12}:Ho^{3+}(Tm^{3+})$, cross-cascade stimulated ion emission 2−15497
$Ho^{3+}:BaYb_2F_8$ crystal energy transfer mechanism to 2-μ lasing channel 2−20870
n-InSb, IR emission under crossed elec. and mag. fields 2−1928
KBr, M^+-centre laser, 0.8 to 2.0 μm 2−10274
KCl, M^+-centre laser, 0.8 to 2.0 μm 2−10274
KCl:Li colour center laser, flashlamp excitation 2−6202
$KI:Li(F_2^+)_A$ centre laser, broadly tunable action beyond 3 μm 2−20860
LiF crystal F_2 colour centre room temp. laser *(Chinese)* 2−15482
LiF, F_2^- color centre laser, picosecond pulses, 1.1 to 1.25 μm 2−25764
LiF F_2^--centre CW laser, 1.14-1.2 μ range 2−25755
LiF F_2^+ tunable colour centre laser and holographic selector 2−1931
LiF laser high repetition rate, pumped by Cu vapour laser 2−10280
LiF:OH crystal, quasicontinuous generation of stimulated emission of $F_2^+O^{2-}$ centres 2−20859
$LiLu_{0.5-x-y}Er_{0.5}Tm_xHo_yF_4$, scheelite single crysts., Czochralski growth and laser charcts. 2−4978
$LiNdP_4O_{12}$ lasers, laser-diode pumped, spike-mode oscills. 2−10268
$LiNdP_4O_{12}$ lasers, FM mode-locked, gigabit optical pulse generation 2−25749
$LiY_{0.5-x-y}Er_{0.5}Tm_xHo_yF_4$, scheelite single crysts., Czochralski growth and laser charcts. 2−4978
NaCl, M^+-centre laser, 0.8 to 2.0 μm 2−10274
NaF (F_2^+)*-centre laser, CW tunable single-mode operation in near IR 2−25746
$NaF(F_2^+)_A$ laser, stimulated emission 2−25758
Nd laser (λ=1.06 μ) freq. up-conversion to visible (λ=418 nm) using reson. parametric process in Ca vapour 2−6267
Nd laser harmonic generation, coherent pulse source at 118 nm 2−2001
Nd laser with long resonator, self-mode-locking problem 2−25757
Nd multistage lasers, high optical quality beam form. 2−20944
Nd phosphate concentrated laser glasses, review 2−20863
Nd:garnet laser freq. conversion to visible in Rb vapour 2−20957
Nd:glass, effective bandwidth increase expts. 2−1996
Nd:glass (YAG) multimode lasers with internal variable lenses, stability and beam divergence 2−15533
Nd:glass amplifier, spatial energy radiation charcts., diffraction and apodisation effects 2−10272
Nd:glass high-peak-power laser systems, book 2−1935
Nd:glass laser, aberration cancellation by wavefront inversion, appl. to plasma diagnostics 2−10281
Nd:glass laser, deterministic passive mode locking 2−15480
Nd:glass laser, emission cross section, laser comparison meas. 2−25751
Nd:glass laser, tailored pulse reflection from stimulated Brillouin scatt. mirror 2−10337
Nd:glass laser picosecond pulse detect. with nanosecond time resolution using A/D convertors 2−20934
Nd:glass laser radiation damage of K8 glass containing inclusions 2−10335
Nd:glass laser system, self-focusing suppression using optical repeaters 2−20864
Nd:glass lasers under Q-switching conditions, pump pulse duration optimisation 2−20868
Nd:glass mode-locked laser oscillator with intra-cavity pulse selection by Pockels cell shutter 2−15484
Nd:glass Nova laser system 2−1925
Nd:glass Q-switched for pulsed laser driven Cs/W-Re electron source 2−1098
solid lasers continued
Nd:glass rods, cylindrical surface cleaning treatment effect on laser amplifier gain *(Chinese)* 2−15483
Nd:glass solid-state slab laser technology, SHG for high-power visible laser sources 2−15556
$Nd:La_2Be_2O_5$, x-axis laser, Q-switched operation, comparison with Nd:YAG laser 2−10269
Nd:phosphate glass laser, gain saturation 2−1936
Nd:phosphate glass-fiber laser, stimulated radiation spectral comp. and emission kinetics 2−20872
Nd:YAG, passively mode-locked Q-switched, single pulse switchout system 2−20861
Nd:YAG, transient absorpt. and laser output 2−15485
Nd:YAG, transient colour centre form. on near UV irrad. rel. to laser efficiency 2−15486
Nd:YAG active acousto-optic mode-locked pulse laser *(Chinese)* 2−10266
Nd:YAG actively mode-locked Q-controlled laser, high repetition rate single picosecond pulses 2−10276
Nd:YAG cavity-dumped oscillator-amplifier system, fieldable short-pulse high energy laser transmitter 2−10275
Nd:YAG crystals for quantum electronics 2−20610
Nd:YAG freq.-doubled pumping source, sub-picosec. pulse generation and amplification 2−6187
Nd:YAG frequency doubled free running laser, regular spike prod. 2−15492
Nd:YAG laser, longit. mode self-locking 2−20942
Nd:YAG laser, mode-locked, electro-optically controlled 2−6197
Nd:YAG laser, passive mode locking and freq. modulation and doubling 2−1934
Nd:YAG laser, single-mode fibre design, for new-IR freq. generation by phase-matched four-photon mixing in min. chromatic dispersion region 2−25496
Nd:YAG laser, telescopic resonators for large-vol. TE_{00} mode operation 2−10315
Nd:YAG laser, using LED pumping, tight gap pumping cavity 2−25765
Nd:YAG laser coagulation treatment of bleeding ulcers 2−11962
Nd:YAG laser for holographic cinematography of time-varying reflecting and phase objects 2−25873
Nd:YAG laser rod internal strains, optical anal. using interferometry 2−20928
Nd:YAG laser therapeutic appls. 2−7342
Nd:YAG laser with antireson. ring struct., colliding pulse mode locking 2−15479
Nd:YAG laser with passive longit. mode locking 2−1933
Nd:YAG lasers, high power subnanosec. pulse generation 2−15539
Nd:YAG passively mode-locked laser, quantitative theory and expt. 2−10277
Nd:YAG pulsed output of single spectral lines at 1.064. 1.073, 1.061 and 1.052 μm *(Chinese)* 2−6195
Nd:YAG Q-switched TEM_{00} mode laser with telescopic resonator, high power single freq. operation 2−15493
Nd:YAG ring laser with mode locking and unidirectional lasing 2−25753
Nd:YAG solid state laser, polarisation charact. of emission 2−15489
Nd:YAG solid-state slab laser technology, SHG for high-power visible laser sources 2−15556
Nd:YAG/glass laser, freq. doubled, for Raman spectroscopy of combustion processes 2−6200
Nd:YAP passively mode-locked laser *(Chinese)* 2−10267
Nd^{3+}:glass laser picosecond pumping of rhodamine 6G ultrashort cavity dye laser 2−1975
Nd^{3+}:metaphosphate glass laser, spectral generation investigation 2−6196
Nd^{3+}:YAG, destruction of optical materials in crossed beam procedure at various frequencies 2−20930
Nd^{3+}:YAG, giant pulse amplification, temp. depend. 2−25754
Nd^{3+}:YAG, travelling wave laser, frequency stabilisation using an intraresonator selector 2−10316
Nd^{3+}:YAG 1.318 μ laser radiation, higher harmonic generation 2−6266
Nd^{3+}:YAG active passive mode-locked pulses, temporal shape analysis 2−15494
Nd^{3+}:YAG CW laser radiation static polarisation-modulation charact. control using intracavity electrooptic modulator 2−20865
Nd^{3+}:YAG CW laser radiation, efficient intracavity SHG in $LiIO_3$ cryst. 2−20967
Nd^{3+}:YAG continuously pumped laser with strong intracavity modulation, optimisation and stability 2−20874
Nd^{3+}:YAG laser, continuously pumped, transient processes, forced mode locking 2−15488
Nd^{3+}:YAG laser with LiF cryst. containing F_2 centres passive switch, spectral charcts. 2−20873
Nd^{3+}:YAG radiation coloured crystals, colour centre infuence on energy charcts. 2−20871
Nd^{3+}:YAG ring laser with acousto-optic mode locking, competitive effects 2−25756
Nd^{3+}:YAG tunable laser with electrooptic Q switching 2−1930
$Ni:MgF_2$, Ni:MgO, optically pumped transition-metal lasers, scaling up 2−15501
$V:MgF_2$, optically pumped transition-metal lasers, scaling up 2−15501
YAG laser, active garnet element, thermal operating parameters determ. 2−25750
YAG, medical laser devices, applications and status 2−11957
$YAG:Nd^{3+}$ pulsed laser, kinematic mode synchronisation 2−10273
YAP, orthorhombic crystals, lasing process, thermal effects *(Chinese)* 2−15481
$YAlO_3$ anisotropic laser crystal rod, thermo-optic props. *(Chinese)* 2−6193
Yb^{3+}, Er^{3+}:glass, volume and surface optical strength meas. at 1.54 μm 2−20613
Yb^{3+}, Er^{3+}:glass laser, self-focusing prevention by active medium length reduction 2−25761
Yb-Er glasses, laser-pumped, max. attainable gains 2−6199
ZnO, stimulated emission obs. at high one-photon excitation level, UV photolum. 2−20858
ZnSe single crystals, lasing and luminesc., one-and two-photon excitation 2−20869
ZnSe single-crystal film laser screens on sapphire, stimulated emission 2−25759
ZnTe single-crystal film laser screens on sapphire, stimulated emission 2−25759

solid solution hardening
Nb_3Sn composite-processed, alloying addition effect on comp., growth rate and supercond. props. 2−9883

solid-state microwave circuits
see also Gunn oscillators; microwave integrated circuits
63-W W-band injection-locked pulsed solid-state transmitter using IMPATT power combiners 2−26527
94-GHz beam lead balanced mixer, design 2−9044
abrupt-junction millimetric varactor doublers using Schottky diodes, anal. 2−9225
amplifier wideband, high gain, using GaAs FETs 2−24411
amplifiers, parametric synthesis technique 2−19881
autodyne using IMPATT diodes, load-noise characteristics 2−9233
bipolar-varactor oscillator, broadband, electronically tunable from 3-9.4 GHz 2−24714
broadband fin-line mixer for mm-waves, material and cct. evaluation 2−938
C-band FET amplifier for TWTA replacement in spaceborne communication transponders 2−5349
coherent MM-wave radar receiver 225 GHz, low-noise balanced mixer, all solid-state 2−21867
convertor package for spectral analyser, with field replaceable diodes, 50 kHz to 21 GHz 2−16910
distributed amplifier with bipolar Si-transistors: 250 MHz to 6 GHz 2−13974
dual-gate MESFET oscillators, X- and Ku-band, freq. stabilization using dielec. resonators 2−24713
dual-gate MESFET SHF broad-band active phase-shifter 2−5354
feedback transistor amplifiers, graphical design method 2−5122
FET oscillators using dielec. resonators, very high Q-factor 2−24711
FET-YIG tuned oscillator, broadband, electronically tunable from 2-20 GHz 2−24714
frequency convertors, theory, appls. *(Italian)* 2−19599
frequency multiplication, using Schottky-barrier diodes in millimeter wavelength 2−19877
frequency multipliers using transferred-electron diodes, experimental investigation 2−9234
frequency synthesizer, J-band, using Gunn VCO to drive GaAs FET amplifier 2−5355
Gunn diode amplifiers, noise characts. estimate 2−19880
harmonic mixer for 20 to 40 GHz range 2−19873
hybrid power divider/combiner circuit, planar broadband 180 degrees 2−9210
IMPATT, Si high efficiency MM-wave oscillators fabrication 40-140 GHz 2−14298
IMPATT amplifier, nonlinear distortions *(Russian)* 2−723
injection-locked oscillators, phase-lock stability using time-domain approach 2−9224
Josephson junction mixer without matching devices in the 8 mm band *(Chinese)* 2−9220
limiter circuit based on rapid AGC cct. for wideband IFM radar receivers, S-band 2−26530
linear phase shifters using optimum varactor diode doping profiles 2−9226
load-pull characterisation at microwave freqs., active load technique 2−24697
low-noise microwave receivers, radio link appls., FET preamplifier design, 2-11 GHz 2−26424
LSA microwave oscillators, freq. locking 2−9219
matching network design studies for microwave transistor amplifiers 2−5123
meander-line filters incorporating p-i-n diodes, freq. multiplexer appls. 2−24723
microwave '81, conf., Amsterdam, Netherlands (Sept. 1981) 2−23888
microwave transistor in common emitter power amplifier cct., non-linear mode calc. *(Russian)* 2−24704
mixers, effect of local Gunn oscillator noise on performance 2−5153
MM-wave dielectric image line detector-circuit employing etched slot structure 2−939
MM-wave microstrip IMPATT diode oscillator for 100 GHz, variable-freq. design 2−19889
MM-wave quasi-optical power combiner using open resonators 2−24687
MM-wave solid-state power generation, amplification and combining, appls. 2−5358
modulation characteristics of diode mixers with microwave intermediate freq. 2−9046
multiple-device oscillators, general noise theory 2−24693
noise in linear two-ports, anal. using scattering waves 2−5121
oscillators, parametric synthesis technique 2−19881
oscillators, time-domain large-signal noise modelling 2−24721
radiotelescope, low-noise mm-wave receiver, 230 GHz, all solid-state design, portable 2−21892
radiotelescope, low-noise mm-wave Schottky mixer receiver for astronomical obs. from 80-120 GHz 2−21894
radiotelescope, mm-wave receiver, 200-350 GHz range, all solid-state, appl. 2−21893
satellite power management 2−18526
semiconductor MM-wave generator with open resonator and exciting system of two bars 2−19885
short MM-wavelength multiplexers, quasi-optical circuit technology 2−921
signal generators, energy characts. 2−952
SSB homodyne cct., single-band microwave modulator *(Polish)* 2−5150
subharmonic mixers for 183 to 225 GHz 2−24463
transistorized 3-cm wave parametric oscillator 2−19861
tunnel diode microwave and digital applications 2−9223
two-stage transistor microwave amps. with lossless matching ccts., analysis 2−9232
ultrabroadband matched microwave amplifiers, LF limitations 2−24695
waveguide cavity FET oscillator 2−14301
waveguide cavity power combiners using Si IMPATT diodes, high pulsed power appls. at 140 GHz 2−5344
waveguide multiplexers, four-channel suspended substrate struct., K_a-band 2−5345
wideband FET amplifiers for airborne electronic warfare systems 2−5360
wideband FM modem using GaAs FET limiting amplifier followed by discriminator, development for in- tersatellite link system 2−6817
X-band pulsed amplifier using GaAs FETs 2−24420
YIG tuned microwave transistor oscillators, design *(German)* 2−5140

solid-state microwave circuits continued
GaAS two stage FET low noise amplifier, for freq. range 3.7 to 4.2 GHz 2−24417
GaAs dual gate MESFET and appl. in microwave circuits 2−19865
GaAs FET, low noise UHF amplifier 2−14305
GaAs FET amplifier, low noise 10.7 GHz 2−19553
GaAs FET amps., CAD for optimum size and performance, EW appls. 2−24419
GaAs FET microwave balanced wideband amplifier *(French)* 2−19864
GaAs FET oscillator, X-band, low noise design rel. to active device, overall FM noise 2−24712
GaAs integrated solid-state transmitter using dual-gate and power FETs, radar appls. 2−6860
GaAs MESFET amplifier replacing TWT amplifier, 5-W 8-GHz 2−5359
GaAs MESFET appls. in telecommunication systems *(French)* 2−19867
GaAs MESFET broadband amplifiers with parallel feedback, noise 2−19872
GaAs MESFET microwave oscillators, common-source and common-drain mode, photoeffects 2−5365
GaAs MESFET X-band oscillator, optically frequency modulated 2−14300
GaAs microwave power FET device and circuit technologies, advances, CAD 2−24706
InP MM-wave Gunn amplifiers, status and trends 2−946

solid-state microwave devices
see also BARITT diodes; IMPATT diodes; TRAPATT diodes
back diodes, characts., technology 2−1337
bipolar transistors, submicron for HF low-current operation, electron-beam lithography 2−9628
EHF devices using Josephson superconductive contacts, 8-mm range *(Bulgarian)* 2−1606
ferrite materials for high power microwave circulators 2−15214
high-speed optoelectronic switches, microwave switching performance 2−20746
hot electron devices for MM and sub-MM appls. 2−24703
Josephson heterodyne sub MM wave detector at high thermal background levels 2−24702
magnetic components for microwaves and optics, review 2−14295
magnetostatic forward volume wave reflective dot arrays 2−15217
magnetostatic wave devices, delay lines and delay stabilised oscillator 2−15216
MBE film growth for microwave device appls. 2−5003
MESFETs, microwave monolithic elements, two-terminal model characterization 2−24715
microwave '81, conf., Amsterdam, Netherlands (Sept. 1981) 2−23888
microwave switch using a p-i-n diode *(Russian)* 2−24705
MM wave detector and mixer technology 2−24462
optically coupled microwave switching devices 2−5352
p-i-n diodes, appl. in RF telecommunication and radar systems *(Italian)* 2−19813
power sensor, high-speed, using hot carriers in semiconductor 2−16977
protection devices, limiting power, relation to recovery time 2−19879
recent advances, review 2−19878
rectifiers, nonlinear load operation, output voltage ripple variation 2−20021
S-band pulsed power transistor, used for solid-state phased-array radar 2−945
Schottky barrier diode mixer characteristics, hot electron effects at high frequencies 2−5351
Schottky diode, room temp., mixing of CO_2 10 μm laser radiation 2−5363
Schottky mixer diode, low barrier height, using super thin Si films, MBE fabrication 2−9611
solid-state gyrotron oscillator for MM and sub-MM wavelengths, nonlinear anal. 2−19893
superconducting quasiparticle heterodyne mixers, large gain, negative resist., and oscills. 2−5937
superconductor-insulator-superconductor mixer, 115 GHz, infinite available gain 2−20593
superconductor-insulator-superconductor mixers, large conversion efficiency and dynamic range 2−20591
superconductor-insulator-superconductor mixers, negative resist. and conversion gain 2−20592
superconductor-insulator-superconductor mixing with arrays at millimeter-wave frequencies 2−9933
thin film transformer-coupled supercond. tunnel junctions, EM props. 2−9931
transferred electron devices, microwave monolithic elements, two-terminal model characterization 2−24715
travelling-wave device, laser induced, for generating MM waves 2−9227
tunnel junction, nonhysteretic, microwave direct and heterodyne detect. 2−9930
(Al,Ga)As/GaAs heterostructures, modulation doped, current transport and high speed FET appls. 2−9651
$Ga_xAl_{1-x}As$, heterostructure MESFET devices, LPE 2−1395
GaAs,ion implanted, capless annealing, for microwave devices 2−1319
GaAs, Bridgman and LEC pulling growth methods, ion implantation, for FETs 2−1393
GaAs, FET development beyond 20 GHz, impact on communications 2−14296
GaAs FET noise characterization at 18 and 20 GHz using noise waves model, computer implementation 2−24708
GaAs FET power combining with travelling-wave combines amplifier 2−9217
GaAs, FETs, effect of materials props. on RF performance 2−1390
GaAs, frequency doubling with negative differential conductivity 2−19882
GaAs large diameter bulk crystals for microwave device technology 2−9444
GaAs low-noise MESFETs, high aspect-ratio 0.1-μm gate technique, optical lithography 2−14868
GaAs MESFET, low noise, microwave perform. 2−14876
GaAs MESFET, super low-noise, fabrication using Si ion implantation, microwave props. at 12 GHz 2−20253
GaAs, MESFETS, assessment of deep traps 2−1392
GaAs MESFETs, microwave noise due to deep levels 2−1391
GaAs MESFETs magnetotransconductance mobility meas. 2−9652
GaAs MM-wave abrupt p-n junction TUNNETT diodes, theory, operation from 100-800 GHz 2−19890
GaAs microstrip optoelectronic switches using laser plasma tapers 2−5353
GaAs microwave, MESFETS, gamma irrad. tolerance 2−25240

solid-state microwave devices continued
GaAs microwave FETs, operation and appl. *(French)* 2−14304
GaAs microwave MESFETs, mutual coupling between electrodes three-coupled-line theory 2−14303
GaAs microwave power FET device and circuit technologies, advances, CAD 2−24706
GaAs, open tube diffusion of Sn, improved process for microwave devices 2−24720
GaAs power MESFETs prep. by metalorganic CVD 2−14857
GaAs Schottky detectors in sub-MM wave region, characterisation 2−19888
GaAs, single step selective implantation technology using proximity annealing, 10 GHz FET fabrication 2−9550
GaAs-GaAlAs heterostructure, Gunn oscillation optically triggered by 1.06 micron radiation 2−9422
GaAs-Nb, super-Schottky contact, electrical characteristics 2−1630
$Ga_{0.47}In_{0.53}As$, MESFETs, double heterostructure, molecular beam epitaxy 2−1394
Ge MM-wave detector using hot carriers, performance 2−19887
$Hg_{1-x}Cd_xTe$ abrupt junction TUNNETT diodes for MM-wave appls., theory 2−19892
InP, microwave MISFET technology 2−1396
InP:Si, capless annealing, for microwave devices 2−1319
NbN superconducting thin film, microwave signal mixer 2−19876

solid-state plasma
see also helicons; plasmons
direct solar energy conversion efficiency thermodynamic 2−23461
narrow band gap semiconductor, plasma frequency in transverse elec. field under mag. quantisation 2−1145
photoinduced plasma properties, picosecond photoconductivity and appls. 2−6081
Schottky barrier diodes, response to transverse mag. surface waves, theory 2−5725
semiconductor filter, controlled, utilizing recombination waves 2−9609
semiconductor heterolayer, two-dimensional electron transport, screening 2−5611
Al-Al_2O_3-Ag MOM tunnel structs., surface plasma oscills., dispersion anomalies 2−9520
Al-Al_2O_3-Ag tunnel structures, dispersion anomalies of surface plasma oscills. 2−14737
CdS(Se), luminescence, time-resolved picosecond, at high excitation 2−25592
n-GaAs, periodic oscills. and turbulence of hot-carrier plasma at 4.2K 2−24975
$GaAs_{1-x}P_x$, direct-gap, electron-hole plasma expansion, photoluminesc. study 2−14648
n-InSb, nonreciprocal semiconductor devices employing the magnetoplasma reflection minimum effect at MM-wave 2−934
Si, hot electron emission under pulsed laser excitation 2−24860
Si, hydrodynamics of a dense plasma created during laser annealing pulses 2−1157
Si-TRAPATT structures, p^+-n-n^+ and n^+-p-p^+, plasma formation and extraction differences 2−5719

solid-state rectifiers
see also thyristors
0.05-20 Hz, linear, ripple factor reduction 2−13955
50/60 Hz phase control rectifier ccts., large area thyristors, power loss 2−9640
ATE for dynamic resistance determ. 2−26739
automatic excitation regulator, of synchronous motors, guidance on hermetic contacts *(Russian)* 2−7827
axial air gap variable reluctance motor, convertor-fed, tests 2−4057
controlled balanced rectifiers for electrolytic plants *(Russian)* 2−18822
controlling the overvoltage of smoothing filters of thyristor convertors in mine electric locomotives *(Russian)* 2−28021
DC power supplies for electrolytic processes, reducing losses 2−18349
equipment for industrial electrolysis plants, loss reduction investigations 2−12712
fast response diodes and their appls. *(Czech)* 2−14825
HEXFET integral reverse rectifier, characts., appl. 2−5079
HV large area planar devices 2−1334
improvement of power performance of multirange rectifiers with artificial commutation *(Russian)* 2−23360
mercury arc discharge lamps, solid-state ballasts *(Italian)* 2−4452
microwave nonlinear load operation, output voltage ripple variation 2−20021
monolithic small-signal RMS rectifier *(German)* 2−5083
p-n semiconductor structure, weak injection, AC-DC conversion efficiency 2−9489
pin rectifiers, design curves 2−9643
power feedback systems, compensation using controlled rectification *(Spanish)* 2−19546
pulse balance in the phase control system of the thyristor convertor *(Russian)* 2−4298
reverse rectifier, electrical performance characts. 2−4274
Schottky barrier diodes, barrier height optimisation *(Russian)* 2−14833
thyristor, for DC drive control 2−28031
thyristor rectifier, subharmonic composition *(Russian)* 2−23374
transformer rectifier-invertor with pulsewidth modulated voltage in AC cct., parameters determ. *(Russian)* 2−4299
GaAs, rectifying variable planar-doped-barrier structures, MBE fabrication and characts. 2−1346
Si rectifier protection against overvoltages *(Russian)* 2−28012

solions *see transducers*

solitons
electric circuit, inhomogeneous, soliton propag., dissipative case 2−5073
electric-circuit, inhomogeneous, expt. on soliton, dissipation free case 2−5074
error estimation of computation of solitons *(Chinese)* 2−13727
gyro-TWT theory, appl. of soliton concept 2−14585
josephson junction, long, fluxon interactions *(Russian)* 2−9942
Josephson transmission lines, soliton amplifiers and picosecond pulsers 2−14038
Maxwell equations and soliton theory *(Croatian)* 2−13783
one dimensional conductors, soliton theory, conf., Boulder, Colorado, USA (Aug. 1981) 2−23867
optical fibres, multimode, nonlinear pulse propag. theory, envelope soliton transmission 2−15338
optical multimode fibres, parametric nonstationary stimulated Raman scatt. *(Russian)* 2−10020

solitons continued
optical waveguides, nonlinear pulse propag. theory in inhomogeneous dispersive media, bright and dark solitons 2−15339
polyacetylene, doped, elec. cond. freq. depend., soliton model 2−25041
polyacetylene, elec. transport, mag. and struct. props., review 2−25039
polyacetylene, electron hopping cond., soliton model 2−25040
polyacetylene, photocond. due to charged solitons 2−6090
semiconductor superlattice, electron drag by solitons 2−5620
soliton-impurity interaction in nonlinear lattice, expt. using LC circuit 2−8964
three wave interaction, diffr. and dispersion effects 2−21176

solution annealing
alloy, precipitation strengthened, AE from dislocation motion 2−13889

sonar
see also navigation; underwater sound
75 kHz, acoustic tags position tracking, for fisheries research 2−26544
acoustic signal parameter estimation techniques and results 2−26139
active sonar, noise-limited, optimum frequencies for detection 2−16517
active sonar systems, characts. of broadband signals 2−16520
adaptive beamforming system, limit resolution ability and dynamic range of optimum weighting coefficients 2−16516
aircraft, electronic systems for detecting submarines 2−11113
aircraft noise identification system for inflight position detector 2−11124
array adaptive noise cancellation with wanted signal leakage 2−27311
array transducer and hydrophone design and construction 2−26551
B scan display and digital image processing facility 2−26546
beam amplitude tracking using closed loop methods 2−26559
computer modelling, fish abundance meas. appl. 2−27292
current source convertor for sonar power supply 2−18364
data analysis, filtering techniques 2−16519
deep water acoustic ranging system modelling, algorithmic implementation and performance 2−26554
digital beamformer implementation considerations 2−16522
digital deep-towed hydrophone array 2−16524
digital signal processing, implementation 2−16518
echo simulator for use with echo sounders, stable output giving variable depth simulation 2−2841
echosounder for fish size meas., based on swimbladder resonance 2−27296
feedback AGC systems, bandwidth invariant 2−26547
fibre optic sensors for use in sonar systems 2−15360
fish stock assessment, using microprocessors as target classifiers 2−27295
fishery factory ship Cetus, radiocommunication/echo sounding system *(Polish)* 2−6787
fishing gear computerised instrumentation, using hydrophones 2−27297
Gaussian maximum likelihood estimator, decentralization, applications to passive array processing 2−2336
line array response patterns, effect beamformer time delay sampling errors 2−26560
miniature echo sounder, 2.5 and 25 m ranges, amateur construction *(German)* 2−6863
mismatched filtering of sonar signals, weighted replica lengthening 2−6862
multibeam sonar with colour display 2−26549
multidimensional constrained lattice processor for passive sonar adaptive arrays 2−26553
narrowband adaptive array processing and beamforming 2−27309
ocean inhomogeneities, acoustic backscatter and one-way propagation effects 2−26550
ocean technology, conf., Birmingham, England (Sept. 1981) 2−18865
passive listening adaptive array spatial resolution improvement 2−26145
passive sonar array processing in nonstationary random fields 2−26146
passive sonar signal processing estimation techniques 2−26555
pulse mode sonar echo prediction, S-matrix theory 2−11125
random sonobuoy array statistical props. and beam patterns 2−27310
remote sensing by ocean acoustics, environmental depend. of detection conditions, prediction *(German)* 2−12084
sea bed stereoscopic visualisation and contour mapping, using bathymetric sidescan sonar 2−27294
sea sediment identification 2−27293
sea-bed measurement and logging using computerised techniques *(Swedish)* 2−26543
sector scanning, time-delay-and-integrate CCDs appl. 2−26548
shape estimation for a flexible underwater cable 2−16521
signal processing, research community needs in the 1980s 2−16523
target identification, radar and sonar 2−2840
time-domain adaptive array processing and beamforming recursive algorithms 2−26140
towed systems used in echo sounding, disadvantages 2−3621
transducers, new materials and types of device 2−26552

sonic boom *see shock waves*

sonic propagation *see acoustic wave propagation*

sonoluminescence
CdS, local states US ionization, sonolum. and acoustoelastic current 2−20732

sorption
see also adsorption; chemisorption; desorption; surface diffusion
No entries

sorting
multipoint monitoring systems, logical organisation of decoding structures *(Russian)* 2−2254
number representation converter for magnetic bubble string comparator 2−14273
relational database management magnetic bubble memory structures 2−1580

sorting programs *see sorting; utility programs*

SOS integrated circuits *see field effect integrated circuits*

sound *see acoustic waves; acoustics*

sound amplification *see acoustic wave amplification*

sound broadcasting *see radio broadcasting*

sound field *see acoustic field*

sound generators *see acoustic generators*

sound intensity *see acoustic intensity*

sound measurement *see acoustic variables measurement*

sound propagation *see acoustic wave propagation*
sound ranging *see sonar*
sound reproduction
see also audio acoustics; audio recording; pick-ups
acoustic space parameter simulation *(German)* 2−22001
amplifier non-linear distortion measurements, rel. to audible effects 2−3018
artificial-head stereophony, sound quality *(German)* 2−2994
CP200, cinema theatre audio processor 2−11305
Delta Stereophony, directional sound transmission for large auditoriums, sound intensity distrib. *(French)* 2−22029
deterioration of soundtrack, magnetic tape reliability *(Russian)* 2−11306
Dolby stereo cinema sound systems, technology charcts. *(Spanish)* 2−16717
hi-Fi analogue reverberation system 2−22026
Hi-Fi system, loudspeaker selection *(Spanish)* 2−16718
noise suppression systems *(German)* 2−22020
stereophonic, controlling sound-image localization 2−16742
stereophonic, correlation between loudness and quality 2−22015
stereophonic signals optimum reproduction, by means of loudspeakers and headsets *(German)* 2−2995
tangential pick-up arms, geometrical analysis, sound quality appl. *(German)* 2−16746
timbre perception, evaluation *(Japanese)* 2−11295
vocal canceller circuit for suppression of voice during stereo reproduction 2−6972
sound waves *see acoustic waves*
space charge
see also limited space charge accumulation; space-charge-limited conduction; space-charge limited devices
35 GHz gyrotron employing solid electron beam, space charge effects 2−20024
benzene, cond. currents and space charge formation in dielec. liquids 2−5857
cathode, shot noise reduction by influence of space charge 2−9351
copper phthalocyanine-metal junction Schottky barrier, photovoltaic effect 2−14695
cyclotron maser instability, as resonant limit of space charge wave interaction with EM structure 2−15422
dielectrics, resorption current, determ. from initial space charge distrib. 2−15041
dielectrics, space charge distribution, determ. from resorption current 2−15038
electrets, space charge, theory 2−1508
electron beams, extended, space-charge forces in trajectory anal. 2−25904
electron cyclotron maser, hollow cylindrical, wave approach, space charge Coulomb field effects 2−6123
electron cyclotron resonance maser, kinetic theory considering space charge effect 2−15423
electrostatic pesticide spraying in orchards, space charge induced forces and effects, apparatus design 2−10447
guided electron flow with gyromotion, space charge effects 2−14570
gyroklystrons, space charge forces effect on electron bunching in drift tube 2−20018
gyrotrons, theoretical work review 2−14569
heavy ion beams for ICF, space charge induced emittance growth 2−3323
heavy ion fusion, transverse emittance requirements 2−3322
HVDC transmission lines, space charge environment generation due to corona discharges and effects 2−12278
MIS solar cells, computer-aided anal. of short circuit current, spectral response meas. appls. 2−23464
MIS structure, photocapacitive study 2−20150
Mylar electrets, high-resolution probing of space-charge densities using electron beam 2−5848
optical klystrons and multibeam free electron lasers 2−20771
p-ν-n^+ photodiode, response time governed by transit time in space charge region 2−20747
polyethylene, low density and cross-linked, light detection during the initiation of electrical treeing at room temperature 2−9769
polyethylene terephthalate electrolum. with impulse voltage 2−5858
poyvinyl acetate films, corona charged, surface charge decay charcts. 2−25390
Pulselac C inductive linear accelerator, space charge neutralised ion beam for inertial fusion 2−3324
relativistic annular electron beam, propag. in dielec. loaded waveguide, Cherenkov radiation 2−14582
relativistic electron beams, EM waves steady-state parametric excitation 2−2094
Schottky barrier width, numerical computation incl. free carrier space charge 2−25073
semiconductor, homostructures, electrostatic pot., space charge region 2−25065
semiconductor characterisation uses of modulation spectroscopy, review 2−9397
semiconductor device, surface charge packets, cube-root broadening 2−9600
semiconductor heterolayer, two-dimensional electron transport, screening 2−5611
semiconductor junctions with deep impurity levels, admittance, space charge anal. 2−9479
semiconductor structure, space charge model 2−20120
semiconductors, conference, Hakone, Japan (Sept. 1980) 2−13151
SNICS, surface ionisation sputter-type ion sources, sputter cathode enhanced axial erosion 2−11776
Sumoto effect, explanation on basis of increased surface tension 2−9779
TGS powder-silicone rubber composite, ferroelectricity 2−20451
unfocused cylindrical electron beam, space charge wave effects 2−15623
VLSI pattern generation, high-current variable-shaped electron beam forming, space charge effect 2−20307
waves, in rotating electron beams with magnetic interaction 2−21035
GaAlAs p-n junction characters., effect of X-ray irradiation *(Russian)* 2−14687
n-$Ga_{1-x}Al_xAs$ epitaxial layers, electron mobility 2−9431
GaAs electron mobility, space-charge and central-cell scatt. contrib. reassessment 2−9426
GaAs p-n junction charcts., effect of X-ray irradiation *(Russian)* 2−14687
GaAs, plasma anodisation kinetics 2−5697
GaSb:Te and GaSb:Te,Zn, charge transport charcts., 80 to 700K 2−20080
space charge continued
n-Ge, neutron bombarded, minority carrier injection and extraction 2−24949
In-phthalocyanine, metal free x-phase, solar cell, low freq. photocapacitance 2−18474
$LiNbO_3$:Fe, thermal fixing of holograms, evidence for mobile H^+ ion mechanism 2−15573
PbTe, surface space charge layer physics 2−9470
Si, amorphous, FET with staggered electrodes, current path 2−25246
Si, polycrystalline, solar cells, grain size dependence of photovoltaic props. 2−18489
Si semicrystalline Schottky diode, quantitative model of grain boundaries influence on junctions space charge 2−20233
a-Si:H, photoresponse time and density of localised states in mobility gap 2−25001
Si:H amorphous Schottky diode, electron transport and deep localized state kinetics 2−25188
Si:H amorphous solar cell, plasma deposited, impurity effects 2−12864
p-Si-SiO_2 MIS structure, photocapacitive study 2−20150
TiO_2-electrolyte interface, surface states obs. 2−20159
ZnO, high degeneracy acceptor levels, space charge capacitance and Hall effect data 2−1180
ZnS:Mn AC thin electrolum. devices, modelling 2−6113
space-charge-limited conduction
see also limited space charge accumulation
chalcogenide thin films, switching transient state charcts. anal. based on space charge overlapping model 2−9452
dielectric thin film with Coulomb trapping centres 2−1467
insulating hydrocarbons, strong current injection under high electric fields 2−9771
metal-semiconductor contacts, V-I characteristics, generation-recombination in space charge region, diffusion theory *(Russian)* 2−1234
resorption current, limited by space charge distrib. from absorption current 2−14313
semiconductor, current density calc., additivity of ohmic and space charge limited currents 2−24910
semiconductor diode struct., permittivity temp. depend. influence on current-voltage charcts. 2−20220
semiconductor electrode, depletion layer, photogenerated carrier transport, elec. field depend. 2−25105
semiconductor film, Hall and thermoelectric effects 2−1144
Al-CdS(Se), electronic barrier charcts., time-resolved charge injection 2−5629
$As_{30}Te_{48}Ge_{10}Si_{12}$, amorphous, transient switching process, simple analytical explanation 2−5577
CdS-S coevaporated thin film prep. and cryst. props. 2−19440
n-$CuInSe_2$-Au Schottky diodes, space charge limited current effects 2−9617
GaAs device structs. at 77K, single-carrier space-charge-controlled conduction vs. ballistic transport 2−14819
GaAs periodic doping structures grown by MBE, space charge field of impurities, cond. modulation 2−5621
GaAs, semi-insulating, ohmic behaviour 2−1178
$GaAs/Ga_{1-x}Al_xAs$ heterojunction diode, hot electron transport, space charge limited cond. 2−24978
GaSe, injection-induced impurity breakdown, low freq. current oscills. 2−9472
Ge-Se-Ga thin film, amorphous, trap distrib., SCLC obs. 2−14664
GeS, SCL currents, layer thickness depend., static current-voltage charcts. meas. 2−20115
GeTe amorphous thin films, elec. cond. mechanisms 2−5578
Si, electron irradiated, drift mobility, temp. depend. 2−5541
p-Si, SCL current flow, hot holes and noise 2−24936
Si:H, amorphous, midgap density of states, space charge limited cond. study 2−24996
Si:H, amorphous, vidicon targets, blocking struct. role 2−25566
SiO_x film, reactively evaporated, elec. cond. props. 2−5642
Ta-Ta_2O_5-MnO_2 system, space-charge-limited cond., Poole-Frenkel effect 2−25092
space-charge limited devices
see also limited space charge accumulation
crossed field diode current fluctuations, self consistent theory 2−24864
LSA microwave oscillators, freq. locking 2−9219
magnetron, oscillating, relativistic, numerical simulation 2−1113
photoelectron microscope, space-charge aberrations 2−1138
solid state diodes, noise, current depend. 2−9607
Si semicrystalline Schottky diode, quantitative model of grain boundaries influence on junctions space charge 2−20233
space-charge limited solid state diodes *see space-charge limited devices*
space-charge limited solid state triodes *see space-charge limited devices*
space communication links
see also satellite links; space vehicles; telemetering
geostationary platform implementation 2−11038
geosynchronous orbital altitude satellite position management 2−11983
intersatellite links using laser beams 2−16453
large reflector antenna radiation pattern prediction, spatial distortion error analysis, computer model 2−2777
laser communications, tracking and fine pointing control 2−16455
laser communications space experiment 2−11093
machine intelligence and communications in future NASA missions 2−26490
precorrection concepts for mobile terminals with processing satellites 2−2776
reentry vehicle instrumentation and communication techniques 2−22658
satellite cluster for modular growth of communication functions 2−11037
Space Shuttle, data and control communication systems *(French)* 2−11982
Space Transportation System communications testing and tracking links for first orbital flight 2−12059
space-related programs, transmission and orbital constraints 2−11039
spacecraft-to-ground telemetry channel concatenated coding performance 2−2775
technology developments, conf., Boston, MA, USA, (Oct. 1980) 2−8159
CO_2 laser communication technology for intersatellite data links 2−2774
space heating
100 kW utility interconnected flat panel photovoltaic system, design and start-up performance 2−23649
active solar heating and cooling systems, performance and cost 2−13084
active solar heating and cooling using heat pump systems 2−13083
all-solar electric residence, Carlisle house 2−23644

space heating continued
assisted heat pump system, thermal anal. and outline 2—18780
boiler-heat pump combinations for space heating, enthalpy and exergy analyses 2—3915
buildings heating, ventilating and air-conditioning energy requirements reduction measures in USSR *(German)* 2—23772
central heating/cooling system, air-to-water heat pump, home use *(Japanese)* 2—13099
centralized control of technical equipment in building complexes 2—4471
chemical heat pumps and competitive systems, cost effectiveness and energy consumption evaluation 2—13089
closed-loop earth coupled water source heat pump, performance 2—8095
coal gasification and coal-fired electric power generation performance 2—23125
cold store warehouses, electric floor-heating system for entrances *(Japanese)* 2—13081
combined electricity and heat generating station of Brescia, Italy *(Italian)* 2—23083
communal heating systems, thermal energy storage from energy savings view point *(Dutch)* 2—23089
domestic heat pumps, asynchronous motor driven, starting current measurement and effects on mains power supplies *(German)* 2—4472
domestic heating regulation, microprocessor-based control, economics *(French)* 2—4473
domestic solar heater system, control using diode temp. transducers *(Spanish)* 2—13087
domestic space heating, heat pump sizing, cost effectiveness 2—23765
dwelling houses temp. measurement system for energy savings *(Swedish)* 2—18771
economic growth and electric power consumption, Switzerland *(German)* 2—28249
electric, advantages over gas and oil systems 2—28245
electric, commercial sector, sales 2—23766
electric thermal storage program, impact on transmission systems 2—18774
electric-thermal storage program, performance with home 2—18775
Electricaire central heating, user study 2—18769
electrical heat pump, basic principles and appls. *(German)* 2—23779
electrical heat pumps, course of instruction 2—21
electro-heat pump for residential hot water, application and economy *(German)* 2—28255
energy optimisation *(German)* 2—28258
energy-using durables, choice and utilisation, EPRI-sponsored study, November 1979 2—27418
engineering offices energy management and conservation measures 2—8082
experimental house, solar-electric 2—28250
floor heating systems using variety of heat sources for energy savings 2—28243
geothermal power appl., efficiency and economics aspects *(French)* 2—4475
grid-interactive solar photovoltaic elec. system, elec. power and space heating appls. 2—18099
heat pump efficiency and reliability improvements 2—13080
heating control equipment optimisation *(German)* 2—18773
high rise office energy management scheme using all-electric heating, air conditioning and lighting 2—8092
hothouse winter and summer temperature control, using triac switches *(Spanish)* 2—28248
hybrid energy system for single family homes 2—18776
integrated residential boiler and domestic hot water appliance, field testing 2—17952
integrating heat pumps into heating systems 2—13088
liquid photovoltaic/thermal collectors for residential applications 2—23551
low-rise building economic lighting and space heating 2—8093
microcomputer applied to the control and reduction of consumption of energy *(Spanish)* 2—28253
microcomputerised control, HVAC and lighting energy use 2—23735
microprocessor control systems 2—13086
microprocessor-based residential heating controller 2—4476
passive solar heating, system installations with backup electric heat 2—8094
photovoltaic power systems, construction operation and applications survey 2—12887
photovoltaic systems design for residential appls. 2—23549
photovoltaics for residential applications in France, future prospects 2—18522
radioisotope heater unit, light-weight 2—17518
railway wagons transporting hot water from nuclear power stations to local supply centres, feasibility study *(German)* 2—3887
residential air conditioning and space heating control test programme 2—17657
residential air-conditioning system for heating and cooling, alternative power sources 2—23776
residential buildings, energy conservation potential, anal. 2—28246
residential photovoltaic power system 2—23645
residential space and water heating using off-peak electricity supplied heat pumps 2—23764
residential-like photovoltaic systems, Southwest Residential Experiment Station 2—23632
room temp. control and radiator thermostat perf. *(German)* 2—23771
solar energy anal. in India 2—23781
solar energy plant with electrically driven heat pump for room heating and hot water, numerical simulation *(German)* 2—28247
solar heating, cooling and hot-water system, config. *(Japanese)* 2—12871
solar house, Raytheon solar climate control system 2—18770
solar radiation effect on buildings annual heat consumption *(German)* 2—18772
standby power generation unit internal combustion engine co-utilisation to drive heat pump plant 2—13085
technical and economic factors in the possible use of gas-engine driven heat pumps for space heating *(German)* 2—23769
technical aspects of solar energy systems for low-calorie applications *(Dutch)* 2—23196
thermal storage space heating by off-peak electricity, field test and assessment 2—23774
USA military installation energy management using computerised load control 2—8091
use of microprocessors for optimal time on and off switching of heat and air conditioning plant *(German)* 2—23763

space heating continued
using the admittance method to calculate energy consumption during intermittent plant operation 2—28242
vapourised kerosene fan heater, Mitsubishi Electric product 2—23773
H_2SO_4 chemical heat pumps for industry 2—13090

space research
see also artificial satellites; space vehicles
applications of space developments, conference, Tokyo, Japan (1980 September 22 to 27) 2—4563
Ariane second launch base *(French)* 2—27226
clock synchronisation technique, for tracking and controlling deep space probes 2—12049
cosmic research, scientific instrument manufacture *(German)* 2—22648
deep space navigation systems and operations, NASA's 1960s to 1980s development 2—22593
energy from space, 21st International and Scientific Space Congress, Rome 1981 Mar. 2—13159
ESA cost incentives policy in development contracts 2—29
NASA, space power research and technology 2—18418
SOLARIS project, French development of unmanned space-processing platform 2—17452
Soviet space programme—a Kettering view 2—27223
Space Shuttle first flight results anal. *(German)* 2—22585
Spacelab I, Metric Camera and Microwave Remote Sensing experiments 2—17447
Spacelab I mission, payload specialist selection and training 2—13203
STARPROBE space project, altitude and translation control, preliminary design 2—17457
technology developments, conf., Boston, MA, USA, (Oct. 1980) 2—8159

space science *see space research*

space vehicle power plants
100 kW flexible solar arrays for space appls., design 2—22695
airborne power supply equipment parts, HV surge and partial discharge test 2—17515
balloon calibrated solar cells with narrow band-pass filters, simulator spectral characterisation 2—17526
battery mathematical life model for synchronous orbit 2—17506
drive automatic testing, constant speed, for aircraft alternator 2—22131
electronic solid-state switch, automatic protection for spacecraft high-power lines 2—22692
HV cabling for power distrib. in large spacecraft 2—3569
in-space inertial energy storage design for photovoltaic energy storage, application in space shuttle programme 2—12952
integrator battery charge controller for spacecraft appls. 2—17512
Jupiter orbiter, systems impact of concentrated solar array 2—17522
lightweight systems advancements, Air Force developments 2—22693
multi-hundred kW spacecraft photovoltaic power systems, power management 2—17521
nuclear electric power for space systems, technology and flight systems program, review 2—17882
Nuclear Electric Propulsion spacecraft radiators, heat pipes 2—17517
nuclear power, US flight safety process overview 2—7399
nuclear reactor closed Brayton cycle space power conversion systems 2—17919
nuclear reactors acceptability in space, safety considerations 2—17915
pentahedral pyramidal concentrator design for space solar array 2—22698
photovoltaic generator, design and testing, rational approach 2—22696
Power Extension Package for Space Shuttle, solar cell development 2—17520
programmable power processor for high power spacecraft power systems 2—17514
radioisotope heater unit, light-weight 2—17518
requirements and technology trends for future military space power systems 2—17525
satellite microwave solar power system, antenna optimisation and cost consideration 2—18528
satellite microwave solar power transmission and reception system 2—18527
satellite power management 2—18526
satellite power supply photovoltaic blankets, cost and performance projections 2—17516
satellite power system X-ray response, anal. and test methodology 2—17450
satellite power systems, series vs. shunt regulators for power control 2—17513
Sirio-2 satellite program, MDD and Lasso missions 2—7366
solar array switching regulation for spacecraft power subsystems 2—17511
solar arrays, shunt and blocking diode for protection 2—22697
solar cells, large area, low cost, with optional wraparound contacts 2—17527
solar cells, shaded Sun sensor modelling, general approach 2—22616
solar cells for Shuttle Power Extension Package, radiation testing 2—17529
solar cells for space applications, optimisation 2—17528
Solar Electric Propulsion solar array shuttle flight expt. 2—17519
solar MHD convertor, high temp. operation 2—28129
solar panel current degradation factors on satellite 2—18530
solar-array-powered multi-kW power conditioners for Space Shuttle orbiter appls. 2—17524
Space Shuttle Orbiter avionics validation, process, meas. and control systems 2—17471
technology developments, conf., Boston, MA, USA, (Oct. 1980) 2—8159
thermophotovoltaic power source with thermal storage 2—12035
Voyager spacecraft electrical power system, flight performance 2—17523
GaAs solar cells for space missions, technology requirements 2—22694
$Li/LiAsF_6$-2-Me-THF/TiS_2, electrodes morphological charcts. anal. using electrochemical and surface studies, application in spacecraft 2—12841
Ni-Cd battery for multiple satellite appls. 2—17504
Ni-Cd cell cycle lifetime prediction eqn. for Low Earth orbit 2—17505
Ni-Cd spacecraft batteries, effects of cell reversals during reconditioning 2—17502
Ni-Cd Viking Lander battery performance, degradation, and reconditioning 2—17503
Ni-H_2 battery for spacecraft, real life test performance 2—17507
Ni-H_2 battery system, historical overview 2—17510
Ni-H_2 prototype cell evaluation tests 2—17509
Ni-Hz battery for NTS-2 spacecraft, update 2—17508
Si solar arrays employing advanced structures, high performance 2—18529

space vehicles
see also artificial satellites; rockets; space vehicle power plants
ballistic vehicle heatshield testing, reentry roll torque meas. using skin friction balance 2—22628
brushless DC motors and stepping motors characts. 2—18265
charged spacecraft dielectrics, internal breakdown 2—22582
charging elimination by In_2O_3 coated mirrors 2—20709
charging studies, recent developments 2—7364
Comet Halley mission, midcourse navigation and propellant estimation computing 2—22598
Comet Tempel 2, ion drive rendezvous, navigation accuracy anal. 2—17532
design contributions by APL in tracking, control systems 2—3533
ESA EMC computer program, simulation of conducted EMC in spacecraft performance prediction 2—22608
fault detection, identification and reconfiguration 2—22645
HF structural vibrs., prediction using statistical energy anal. 2—3544
high-altitude spacecraft during June 1980, enhanced radiation dose effects 2—22639
interplanetary Mars-Earth-Venus shuttle, flight characts. with solar powered thermionic generator 2—17531
laboratory spacecraft charging tests using multiple electron guns, NASCAP simulation 2—22611
Magnetic suspension isolation [Space Shuttle] in Space Shuttle 2—17492
magnetometers, time-derivative, to be installed on spacecraft, development *(Japanese)* 2—3579
microwave antenna sealed strip line feeder, used for space shuttle 2—26068
mission analysis by global geometry techniques 2—27236
near-Earth spacecraft, attitude determ., in-flight magnetometer calibration 2—17485
pointing system modeling for performance prediction 2—17470
power supply for plasma expt., -35 kV 2—7400
Prognoz mission in Signe-2 Franco Soviet interplanetary gamma ray burst experimental network 2—3446
reliability, lessons from NASA 2—8313
RF characterization of dielectric discharges 2—27228
satellite communication system, appl. of intersatellite links to collocated advanced satellites 2—11036
satellite solar power system launch into geosynchronous orbit, transportation system and cost comparison 2—17461
Shuttle landing guidance system, precision spatial calibration 2—17495
solar batteries for spacecraft equipment power sources, theoretical characts. 2—27253
solar power satellite launch vehicle requirements, economic and technical 2—27821
Space Shuttle, data and control communication systems *(French)* 2—11982
Space Shuttle, first flight, deviations from expected performance 2—3531
Space Shuttle, impact on satellite communications 2—16409
Space Shuttle, ionosphere-magnetosphere expts. using particle beams 2—12079
Space Shuttle first flight results anal. *(German)* 2—22585
Space Shuttle Orbiter avionics validation, process, meas. and control systems 2—17471
Space Shuttle testing in NASA-Ames wind tunnels 2—12000
spaceflight tracking and data network, NASA, evolution and future 2—17537
Spacelab, biological and medical expts. *(Italian)* 2—17429
Spacelab, Space Sled, European facility for life science expts. 2—3543
Spacelab cabin atmosphere control *(French)* 2—27224
STARPROBE space project, altitude and translation control, preliminary design 2—17457
structural analysis activities at ESTEC, software development 2—3527
superlight rotating reflectors 2—7363
tracking-and-data-relay-satellite spacecraft, telecommunication payload 2—11979
Venera mission in Signe-2 Franco Soviet interplanetary gamma ray burst experimental network 2—3446
VHSIC technology utilisation in future spacecraft systems 2—11985
vibrations, spacecraft structural acoustics research 2—3525
Voyager 1 Saturn near encounter, close Titan flyby effect compensation 2—22605

spacecraft *see space vehicles*

spark chambers
see also position sensitive particle detectors
broad-gap, operation in track-storage mode 2—11849
broad-gap, operation in track-storage mode 2—17285
parallel plate spark chamber, performance below 1 atm. *(Chinese)* 2—22498
radio-chromatographic TLC tests, linear analyser and Beta camera developments 2—3396

spark counters
Makrofol plastic track detector, spark counting 2—11848
plasma diagnostics appl., vacuum UV and X-ray photons meas. 2—3394
radio-chromatographic TLC tests, linear analyser and Beta camera developments 2—3396

spark erosion machining *see spark machining*

spark-gap voltmeters *see voltmeters*

spark gaps
air, corona-onset field strength calcs. and equiv. radius concept 2—5839
air gap electric strength in the presence of oscillatory voltage impulses *(Russian)* 2—12279
corona inception in diverging electric field, humidity effects 2—9343
electric field strength in leader channel of a long positive spark in air 2—27577
gas-filled spark gap triggered RLC ccts. 2—14599
HV pulse monitor system for flash-chamber neutrino detector 2—27080
krypton activated to operate Kerr cell shutter for laser pulse selection 2—20921
laser triggered spark gaps, expt. study *(Chinese)* 2—14547
Marx generator, 720 keV coaxial, rectangular-like output waveforms study 2—22458
rod-plane gaps, sparkover characteristics of long fog-contaminated air gaps 2—12307
sphere-plate electrode systems, approx. capacitance formula *(German)* 2—3796

spark gaps continued
surge arrester with magnetically blown spark gaps, 60 to 516 kV rated voltages 2—7576
synchronized switching mechanism for the linear induction accelerators 2—17194

spark machining
electric discharge machining centres with automatic changing of electrodes *(German)* 2—13113
electro discharge machining, capacitive discharge power supply system 2—13110
erosion machining, pulse generator appl. for increasing cutting speed and accuracy *(German)* 2—8117
Eurospark 740 electro-erosion machine, electrochemical erosion, technology *(French)* 2—18811
nontraditional processing techniques for improved productivity 2—15588
numerical control system using SBC-80 microcomputers *(German)* 2—20992
optimum energy utilisation during spark machining *(German)* 2—4495
shaping of difficult profiles, magnetic heads fabrication appl. 2—4499
stratified wire for travelling wire electrical discharge machining 2—4511

sparks
see also electric breakdown; lightning
air, DC positive streamer corona enhancement due to electronegative gas addition 2—14552
breakdown potential meas. in gas mixtures, microprocessor controlled method *(German)* 2—3248
electric ignition, three discharge modes, conversion efficiency determined by calorimetry *(German)* 2—18729
electrostatic machine insulating gases dielectric strength, problems in using small scale meas. 2—11698
ring sparking on the commutators of traction motors *(Russian)* 2—27936
van de Graaff generator spark channel characts. 2—11685
CO laser discharge, UV sustained, photoinisation study 2—1852
CO laser discharge, UV sustained 2—6153
SF_6, positive ions in spark breakdown influence of N_2, O_2 and D_2O 2—1503

spatial filters
blurred-edge object recognition method 2—2381
coherent optical processors, binary synthesis of complex operational filters *(Russian)* 2—2368
composite matched filters 2—20977
correlator with extended depth of field, preprocessing with Fabry-Perot etalon 2—2378
Fabry Perot prefiltering, unfocused optical correlator 2—6473
Fourier transform hologram linear recording using phase modulator shaped by spatial filtering 2—2039
holographic filter recording and positioning using microprocessor-controlled photo-thermoplastic device 2—15572
holographic pattern recognition methods, matched spatial filter hologram 2—20976
holography, Dennis Gabor memorial symposium, Haifa, Israel (Mar. 1980) 2—18850
hybrid optical-digital image processing with optically generated filters 2—10718
image processing, hybrid optical-digital, using pattern recognition methods for correl. signal evaluation 2—2391
infra-LF balanced harmonic analyzers for periodic signals *(Russian)* 2—22212
integrated optical spatial filters, passive and active 2—6041
matched filtering, multiple, using sampling spatial filter 2—15950
memories, optical large capacity, correlator appls. 2—2392
omnidirectional, periodic pattern defect detect. system, computer processing 2—24018
optical defocus sensing, generation rate of blur-image, appl. 2—21387
optical field mapping, automated, using single-mode fibre interferometer 2—20615
parallel slit spatial filter for circumferential vel. meas., optimum slit number 2—15367
photographic image detection and enhancement, optimal filtering approach 2—15927
pre-inverse filtering of distorted image 2—15926
rough surface microstructure change and motion tracking meas., real-time speckle correl. by holographic matched filtering 2—26961
TV image quality improvement, telefilming appl. *(Russian)* 2—11249
Wiener filters with optimum piecewise-const. freq.-response function 2—10710
Nd multistage lasers, high optical quality beam form. 2—20944

spatial orientation control *see attitude control*

spatial variables measurement
see also angular measurement; area measurement; curvature measurement; diameter measurement; displacement measurement; distance measurement; height measurement; length measurement; level measurement; particle size measurement; position measurement; surface topography measurement; thermal expansion measurement; thickness measurement; volume measurement
3D meas. machines performance monitoring 2—22391
Anoscan Large Precision Measuring Machine 2—22076
bubbles in liquid-gas flows, dimension and speed measurement *(German)* 2—11618
depth measurement by stereo TV system, determination of accuracy *(Russian)* 2—22177
Deutsche Bundesbahn's three-coordinate measuring apparatus *(German)* 2—16777
digital measuring instrument for operating mechanisms 2—16778
digitiser with programmable calculator, meas. rect. coords. of points in a plane 2—22222
dimension extraction from radiographs 2—8864
dimensions of components, using microscope with photoelectric sighting of object's edges 2—7105
EM movement detector for internal organs, use of circular planar coil 2—27148
groove width measurement, optoelectronic system appl. *(German)* 2—26958
high-precision measuring devices from TESA SA of Switzerland *(French)* 2—22040
laser beam linear and pit shaft deform. measuring units 2—20999
linear dimensions, inductive transducer errors evaluation 2—16954
linear dimensions meas., below 0.1 mm, metrological provisions 2—17126
LSI linewidth, improved critical dimension measurement with computer aided automatic fine focus 2—14948

spatial variables measurement continued
micromeasurement system for submicron geometries, fully automated, IC appls. 2−3057
moving objects, inspection, CCD TV camera appls. in dimensional meas. 2−6948
multidimensional, production gauging, Machsize M^3 2−22072
organ multi-dimension meas. using US instrument 2−27159
QDS gauge control system 2−7012
rail wear meas. method, radioactive isotopes appl. *(German)* 2−7206
roundness measurement, computerised instruments from Taylor-Hobson 2 16830
spatial evaluation of cylindericity 2−22395
three-dimensional object recognition, depth meas., use of time-coded parallel planes of light 2−10720
width meas. of hot rolled strip, using stereoscopic vision system 2−11484

speakers *see loudspeakers*

special purpose computers
see also process computers
29500 digital signal processing family 2−16913
ATE, dedicated, microprocessor controlled, cost effective approach 2−22139
electric power system monitoring and control, hybrid simulation 2−22857
fast two-dimensional image recognition systems, problems of microelectronics 2−788
microprocessor learning system 2−23923
satellite advanced onboard signal processor 2−16444
SDA 2010/110 dedicated microcomputers, used for entertainment electronics 2−14164

specific gravity measurement *see density measurement*

specific heat
see also Debye temperature; specific heat of liquids; specific heat of solids
No entries

specific heat at constant pressure *see specific heat*

specific heat at constant volume *see specific heat*

specific heat of liquids
As-Ge-Se, glasses and melts, thermal and elec. cond. 2−5583

specific heat of solids
frozen ground thermo-physical props. measuring instrument *(Russian)* 2−17551
II-V compounds, physical and chemical props., and applications 2−14670
As-Ge-Se, glasses and melts, thermal and elec. cond. 2−5583
InS, rapid meas. method 2−26984

specimen preparation
see also metallography; replica techniques
AF demagnetizer for palaeomagnetic studies with unrotated specimens 2−7424
crack detection, Ni electroless plating of stainless steel 2−13874
scintillation counter, liquid, automation techniques development 2−3401
scintillation counting, liq., in biomedical research 2−3398
semiconductor crystals, hydroplane polishing 2−1315

speckle
cardiac activity, human, at apex region, laser speckle interferometric obs. 2−3462
deformation measurement, in-plane, using holographic moire 2−15562
diffuser for CO_2 laser, speckle pattern effects 2−6245
digital image processing for speckle flow velocimetry 2−26158
electronic speckle pattern interferometer, for turbine part vibr. testing 2−617
fibre-optic analogue video transmission systems using laser diodes, linearity 2−21850
halftone images, fully developed speckle noise effect 2−2390
hologram recording in multimode laser emission 2−25872
holographic interferometry, flaw detection appl. 2−8852
holographic storage for documents *(Chinese)* 2−10371
holography and speckle techniques for deformation and vibr. anal. 2−10381
image plane holography, speckle reduction 2−15569
IR heterodyne-reception radar, imaging and target detect. 2−2832
laser speckle direct obs. method for lateral motion real-time anal. 2−11620
laser-speckle velocimeters, vel. sensitivity 2−15587
optical fibre, modal noise, causes and solns. 2−15318
optical fibres, connectors and sources, modal noise estimation 2−25480
optical fibres in presence of model correl. model noise 2−1703
rough surface microstructure change and motion tracking meas., real-time speckle correl. by holographic matched filtering 2−26961
strain measurement on rotating structures by electronic speckle pattern interferometry 2−11675
velocity measurement using laser speckle statistics 2−17133
vibration analysis using holography combined with speckling 2−20978

spectra
see also alpha-particle spectra; astronomical spectra; atmospheric spectra; atomic spectra; beam-foil spectra; beta-ray spectra; Brillouin spectra; gamma-ray spectra; light scattering; luminescence; mass spectra; microwave spectra; molecular spectra; multiphoton spectra; neutron spectra; nonradiative transitions; oscillator strengths; proton spectra; Raman spectra; spectra of organic molecules and substances; spectra of solids; spectral line breadth; spectral line shift; spectrochemical analysis; Stark effect; stimulated scattering; time of flight spectra; time resolved spectra; tunnelling spectra; X-ray spectra
No entries

spectra of diatomic inorganic molecules
I_2 laser, B state, stimulated emission and absorpt. losses 2−10213
$^{127}I_2$, stabilised He-Ne lasers international comparison 2−20802
ICl as visible oscillators or amplifiers 2−10204
IF as visible oscillators or amplifiers 2−10204
N_2 laser, fabrication and spectral behaviour 2−20794
PO chemiluminescence flame, UV light amplification 2−25692

spectra of inorganic solids
see also impurity and defect absorption spectra of inorganic solids; infrared spectra of inorganic solids; luminescence of inorganic solids; Raman spectra of inorganic solids; visible and ultraviolet spectra of inorganic solids
GaAs sub-micron epilayers, near-MM-wave optical props. 5-100 cm^{-1} region 2−20085

spectra of organic molecules and substances
see also infrared spectra of organic molecules and substances; luminescence of organic solids
organic dyes, Ranipal and Ranipal-S, lasing action, spectral study 2−20843

spectra of polyatomic inorganic molecules
see also infrared spectra of polyatomic inorganic molecules; radiofrequency and microwave spectra of polyatomic inorganic molecules
KrF_2 absorption spectrum, 115-190 nm 2−1893

spectra of solids
see also luminescence of solids; spectra of inorganic solids; spectra of organic molecules and substances
No entries

spectral analysers
see also spectral analysis; transient analysers; wave analysers
acousto-optic spectral analyser using grating components 2−6073
acousto-optic spectrum analyser 2−10095
acousto-optical spectrum analyzer, swept frequency 2−1760
AF signals, freq. response charact. in eight octave bands over dynamic range of 30 dB, Audio Analyser measurement/display 2−2992
AF spectrum multi-band graphic equaliser 2−26670
analog network evaluation, 10 Hz-30 MHz network/spectrum analyzer *(Japanese)* 2−11403
audio spectrum analyser using programmable array logic 2−16895
audio spectrum analyzer implemented using programmable array logic 2−11404
Bragg acousto-optical spectral analyser *(Russian)* 2−3098
cepstrum analysis theory and appl. 2−10684
convertor with field replaceable diodes, 50 kHz to 21 GHz 2−16910
cross-spectrum analyzer using low-pass filter for AF range *(Japanese)* 2−16892
dynamic signal analyser performance improvement by windowing 2−16898
high selectivity vibration measuring equipment for low freq. amplitude spectra *(German)* 2−11413
high-resolution RF spectrum analyser with Fourier transform geodesic lens system 2−6053
hybrid optoelectronic system for wideband complex-valued Fourier transform meas. 2−16890
infra LF periodic signals, harmonic analyzer design *(Russian)* 2−22211
instantaneous-action TV image dissectors and applications 2−26778
integrated acoustooptic, prototype 2−1761
integrated optical RF spectrum analyser, fabrication and performance 2−6040
integrated optics spectrum analyser, aspheric geodesic lenses 2−6044
laser radiation spectrum width meter pulse and continuous lasers meas. 2−16902
microwave, portable, Tektronix 492 for 50 kHz to 220 GHz 2−16906
MS420A network/spectrum analyser 2−7061
multichannel spectral meas. for weak light 2−16981
NTA-1024 multichannel analyser using buffer stores, artefact extraction *(German)* 2−11412
packaging, Tektronix 492 portable analyser, for military and laboratory environments 2−16909
portable Tektronix 492, PWM switching power supply 2−13970
SAW oscillators, convolvers, spectrum analysers, charact., technology 2−5879
signal recognition from spectrum on basis of digital experimental functions *(Russian)* 2−26122
signal representations in the time and frequency domains 2−10692
sine function generator for digital spectrum analyser *(Russian)* 2−16900
Tektronix 492, 50 kHz to 220 GHz 2−16907
Tektronix 492 appl. 2−16908
Tektronix spectrum analyser, white noise meas. *(French)* 2−16905
TR4172 spectrum analyser, using microprocessor controlled network analyse r 2−7010
turbomachinery shutdown decisions, spectral analysis and other methods 2−27874
turbomachinery vibration meas., signature analysis appl. 2−23139

spectral analysis
see also spectral analysers
acousto-optical RF spectrum analysis, nonlinear distortion 2−22215
ARMA processes, time-dependent, evolutive cospectral anal. 2−19146
bispectrum and higher-order spectra, bibliography 2−6452
Burgers' stationary eqn. approx. by spectral methods *(French)* 2−13673
cepstral processing, attenuation and dispersion compensation 2−2341
cepstrum analysis theory and appl. 2−10684
cepstrum and using comb type quefrency window 2−21319
correlator with time integration, for radio signal spectral analysis *(Russian)* 2−11402
covariance sequence approx. for parametric spectrum modelling 2−6436
DC-link converter, spectral analysis of voltages and currents *(German)* 2−18315
digital filter bank with polyphase network and FFT, meas. and applications 2−6447
discrete time series, review of techniques developed in last two decades 2−15909
distribution singular spectrum definition *(French)* 2−4704
dual-channel, noise acoustic and structural processes analysis appl. 2−2358
EEG intervals, spectral decomposition using Walsh and Fourier transforms 2−17383
electrical contacts, spectrum anal. of noise by contact opening 2−9273
EMG, LF anal. 2−11933
empirical statistical spectral analysis procedures 2−26144
finite signals, spectral computation using interpolation splines 2−15919
Fourier transforms and estimating formant position 2−10669
gravity anomalies, computation of spectrum of potential field due to three-dimensional homogeneous bodies *(Chinese)* 2−3577
linear prediction, autoregression and max. entropy methods, appls. to EEG and evoked response 2−17381
linear prediction applied to medical signals 2−17341
linear transform for spectral estimation 2−6432
Markov chain driven signals, mean power spectral density 2−10688
max. entropy spectral estimation using analytic signal approach 2−6440
maximum entropy, performance of Burg's method when applied to voiced speech 2−26104
maximum entropy and spectral estimation, review 2−15896
maximum entropy method, overview 2−26074

spectral analysis continued
maximum entropy power spectrum estimation of signals with massing correlation points 2−15905
noise, dual-channel FFT meas. 2−17128
optical signal processing, review, spectrum anal., correl., ambiguity function computation 2−21374
partial response multi-h phase codes, spectral calc. 2−2326
periodic signal spectra, dynamic features, Kotel'nikov series representation 2−10701
periodic signals, average Walsh power spectrum 2−15885
pulse signals, position in time meas. in limited passband channels, error anal. *(Russian)* 2−26124
real-time electric current spectrum analyzer 2−11406
reciprocating machines, noise and vibration analysis using triggered FFT method 2−4975
rectangular wave modulation 2−6391
reflected signal from extended moving body 2−2354
RF signals from transmitters in LF/MF bands, co-channel interference meas. using envelope anal. method 2−16578
rotary pumps, vibration spectrum analysis techniques 2−26117
sampled 1st-order low-pass filtered white noise, spectral distrib. 2−2327
SHF Earth-space path in Kuwait, power spectrum of ionospheric scintillation 2−21107
signal detection properties of DFT and MEM spectra, comparison from simulation experiments 2−6439
skew estimator method for alignment of troposcatter antennas and synchronization of master clocks 2−11368
speech analysis, pitch extraction from speech 2−2308
speech data compression by line spectrum pair analysis-synthesis technique 2−10666
SPREAD SPECTRUM signals, description as stochastic processes 2−6454
tapering, key role in spectrum estimation 2−2340
transmitters, time, frequency, amplitude domain strains and meas. techniques *(Japanese)* 2−22340
transversal filter design, programmable 2−11419
turbomachinery vibration meas., signature analysis appl. 2−23139
voiced speech, windowing in linear prediction anal. 2−10661
writer recognition 2−2393

spectral line breadth
see also atomic spectral line breadth; Doppler effect; molecular spectral line breadth; Stark effect; Zeeman effect
chemical lasers, gas flow, inhomogeneous and collisional broadening, models *(Chinese)* 2−20785
rhodamine-6G, flashlamp pumped dye laser, spectral and spatial props. 2−10259
$Al_xGa_{1-x}As$-AlAs-GaAs quantum well heterostruct., size fluctuations and laser operation 2−15509
CdS, biexciton states, real and virtual, Raman, fluoresc. and radiative recomb. spectroscopy 2−24972
(GaAl)As injection laser linewidth measurements, CW longit. mode struct. 2−6234
(GaAl)As single-mode injection laser, power-depend. linewidth meas. 2−6235
Si detector, (n,α) and (n,p) lines position and profile quantitative explanation 2−7277
YIG epitaxial layers, Xe^+ irrad., magnetisation, Faraday rot. and FMR linewidth 2−15156

spectral line profiles *see spectral line breadth*

spectral line shift
see also isotope shifts; Stark effect; Zeeman effect
fluorescent dye in doped polymer matrix, Stokes shift 2−25595
$Al_xGa_{1-x}As$-AlAs-GaAs quantum well heterostruct., size fluctuations and laser operation 2−15509

spectral linewidths *see spectral line breadth*

spectral methods of temperature measurement
see also pyrometers
combustion diagnostics, by spatially precise laser techniques 2−10407
photovoltaic cells in arrays, optical measurement of cell temperature 2−18506
pyrometer, multi-wavelength, meas. errors assessment 2−22279
pyrometry, integral equation numerical solution 2−11490
suction pyrometer, design and operation improvements 2−7084

spectrochemical analysis
see also atomic absorption spectroscopy; atomic emission spectroscopy; X-ray fluorescence analysis
combustion diagnostics, by spatially precise laser techniques 2−10407
higher-order differentiation, for fine-resolution spectra and other electric signals *(German)* 2−3105
IR laser diode spectroscopy for meas. water vapour content in IC packages 2−14938
mass spectrometer for organic analysis, double focusing *(Chinese)* 2−22508
PADAR: photo-acoustic detection and ranging−a new technique for the remote detection of gases 2−27300
semiconductor characterisation problems, chem. analysis techniques, capabilities and limitations 2−9538
semiconductors, U trace impurity analysis techniques for LSI materials *(Japanese)* 2−14605
submersible fluorimeter for chlorophyll detection 2−22733
surface analysis techniques used in diagnosing relay problems 2−1001
transactinium nuclides, decay scheme studies and anal., γ-ray spectrometry appl. 2−11877
$Al_xGa_{1-x}As$ epilayers, mm thick, Peltier-induced LPE, photoluminescence microanalysis 2−4986
CuO film, exoelectron emission 2−5506
GaAs:Ge(Se), neutron transmutation doping, elec. and physical props. 2−9562
NO_2 profile in stack plume, remote meas. by differential absorpt. LIDAR *(Japanese)* 2−22746
NiO film, exoelectron emission 2−5506
Si_3N_4-SiO_2-Si structure, spectroscopic ellipsometry, nondestructive anal. 2−14712
SnO_x:Sb film, platinized, prep., surface composition and electronic struct. 2−24314

spectrography *see spectroscopy*

spectrometer components and accessories
see also mass spectrometer components and accessories
angle resolved electron spectrometers, energy analyzer and goniometer attachment 2−27099
channel electron multipliers arrays for solar X-ray spectrometer/spectroheliograph, props. 2−17316
Compton polarimeter with high-purity Ge diodes, appl. to in-beam γ-ray spectroscopy 2−3438
cryogenic system, automatic liq. N_2 filling system 2−16927
double pulse pattern generator for transient NMR experiments 2−771
ESR, computer-controlled high-speed data receiver-processor 2−11373
ionisation chamber in Bragg-curve spectroscopy 2−27041
ISR axial field spectrometer magnet, polar coord. mag. field meas. system 2−3252
large acceptance spectrometer magnet 2−7297
large aperture analysis magnet with Al coils 2−7300
mono-chip timing generator for use with pressed NMR spectrometers 2−24629
resonator calc., rectangular waveguide, used as absorption cell in radio spectroscope 2−929
SIB piotron, superconducting magnets for double torus spectrometer 2−7299
X-ray fluorescence spectrometers, resolution enhancement with new collimator 2−22514
$SmCo_5$ magnet, for portable NMR spectrometer, props. 2−15209

spectrometers
see also interference spectrometers; magnetic resonance spectrometers; mass spectrometers; microwave spectrometers; particle spectrometers; radiofrequency spectrometers; X-ray spectrometers
biological spectrometer for laser-light scatt. meas. of macromol. and subcellular particle motions 2−27144
colour centre laser conversion into high resolution laser spectrometer, computer control 2−25878
continuous range contact charge exchange spectrometer 2−11606
differential spectrometer, high precision, for quantitative exam. of surfaces 2−17149
IR interferometer-spectrometer, appl. to Earth-atmospheric IR background meas. 2−27267
magnetic spectrometer with gradient field 2−7298
Raman spectrometer employing pulsed dye laser and gated analogue detection 2−15583
reflection grating spectrometer, output wavelength meas. of HCN CW subMM laser *(Chinese)* 2−25676

spectrophotometers
see also spectrophotometry
computerised optical diagnostic system for UV and visible supersonic flow pulsed lasers 2−10326
microspectrophotometer, IR, computerised, for meas. of multiple film thicknesses, dopant conc. and impurity levels 2−17150
multichannel television spectrophotometer for faint object spectra 2−16871
seawater light extinction in UV and visible meas. 2−3620

spectrophotometry
see also colorimetry; spectrophotometers
Al_2O_3 anodized film, on line colour meas. during electrolytic colouring 2−26977
Si:As, B wafer reactive-ion etch end-point detect. using spectrophotometer and photodetector 2−1303

spectroscopes *see spectrometers*

spectroscopic light sources
dye single-mode pulsed laser, design criteria and operating characts. 2−6178

spectroscopy
see also beam-foil spectroscopy; computerised spectroscopy; electron spectroscopy; Fourier transform spectroscopy; interference spectroscopy; magnetic resonance spectroscopy; mass spectroscopy; microwave spectroscopy; modulation spectroscopy; photoacoustic spectroscopy; photon correlation spectroscopy; radiofrequency spectroscopy; Raman spectroscopy; spectroscopy computing; time resolved spectroscopy; two-photon spectroscopy; X-ray spectroscopy
intracavity laser spectroscopy, max. sensitivity, multimode CW laser quantum intensity fluctuations 2−25742
laser, resolution improvement by reducing Doppler shifts 2−11317
laser research and applications, review *(French)* 2−15428
luminescence, conference, Berlin, Germany (July 1981) 2−23864
photoluminescence and photolum. excitation spectroscopy characteris. of semicond., review 2−9394
plasma etching, end-point detection, opt. methods 2−9581
polarisation spectroscopy, Doppler-free intracavity, of CH_4, freq. stabilisation of He-Ne laser 2−1856
semiconductor, high-resolution optical spectroscopy characteris., review 2−9395
semiconductor, surface overlayers detection and minimisation using spectroscopic ellipsometry 2−11646
semiconductor technology, optical characterisation techniques, conf., San Jose, USA (Apr. 1981) 2−8136
terawatt laser appls. 2−6284
$^{13}CO_2$ laser hot band transitions, heterodyne freq. meas. 2−10327

spectroscopy applications of computers *see computerised spectroscopy*

spectroscopy computing
see also computerised spectroscopy
magnetic spectrograph ion-optical system, induced aberrations optimisation 2−3431
mass spectrometer using mag. and elec. sector fields, ion optics 2−3433

spectrum *see spectra*

spectrum analysers *see spectral analysers*

speech
see also hearing
acoustic events in consonant-vowel syllables with liquid and nasal sounds 2−6422
inverse methods for branched ducts and transmission lines 2−21164
isolation, formulation by generalised inverse of matrices in freq. domain 2−21320
larynx, artificial intraoral, for revocalisation of laryngectomised patient 2−17423
psychological effects of stress on speech characteristics 2−15870
psychological stress evaluators' study 2−15871

speech continued
rhythmic speech control system, electronic circuits *(Spanish)* 2−27197
scale acoustic models, speech imitation source 2−17593

speech amplifiers *see audio-frequency amplifiers*

speech analysis and processing
adaptive analysis of speech based on a pole-zero representation 2−21314
automatic speech recognition, principles and applications 2−2307
autoregressive and moving-average parameter analysis algorithm which eliminates pitch influence 2−21315
buffer analysis for asynchronous data interpolation in analogue speech 2−10658
cepstrum analysis theory and appl. 2−10684
cepstrum and using comb type quefrency window 2−21319
COM2 time assignment speech interpolation based concentrator 2−2411
commercial voice concentrator over AUTOVAN interswitch trunks, operational evaluation 2−2412
continuous tone-coded squelch system implemented in an eight-bit microcomputer 2−6462
data compression by line spectrum pair analysis-synthesis technique 2−10666
data compression systems using inverse filter codebook 2−10667
data rate below 5 kbit/s, speech digitisation methods *(French)* 2−6419
development trends in speech processing *(German)* 2−10664
digital coding of speech at medium bit rate (5-16 kbit/s) *(French)* 2−6420
digital speech compression system for adaptive differential PCM with time assignment interpolation, bit-slice microprocessor appl. 2−2267
digital speech interpolation, design considerations 2−2318
'Digitalk' processor by National Semiconductor, principle and appl. *(German)* 2−10655
digitising/decoding IC based on delta modulation, telephone headset appl. 2−26307
DPCM with adaptive quantizers, improvements in performance based on adaptive noise shaping 2−6389
FM speech processor for amateur, marine, PMR and military appl. 2−6744
hybrid companding delta modulation digital coding system, digital simulation of performance, speech coding appl. 2−2266
IC application circuits commercial products *(German)* 2−14246
integrated telephone speech circuit, including line fed loudspeaker amplifier 2−16250
Korean vowels using linear prediction model spectra, applications *(Korean)* 2−15863
laryngeal adjustments in the production of consonant clusters and geminates in American English 2−21317
larynx tone freq. averaging, correlation method for estimation using linear prediction technique 2−21307
LPC, packet switching speech transmission 2−21462
man-machine communications with speech signals *(German)* 2−26091
mAP project an associative processor for speech processing 2−6423
maximum entropy spectral analysis, performance of Burg's method when applied to voiced speech 2−26104
multilevel approach to pattern processing 2−26103
multiple duplex radiocommunication equipment with active relaying, appl. *(Czech)* 2−6801
nasal sound analysis by improved homomorphic prediction method 2−21321
noisy speech analysis-synthesis processing, synthesized speech quality improvement 2−21324
nonlinear amplitude distortion in audio recordings, adaptive filter corrector 2−15868
pitch extraction by autocorrelation analysis and time-domain feature extraction methods 2−26107
private line voice concentrator, time assignment speech interpolation system for small trunk groups 2−2459
programmable real-time speech processor, using ECL LSI microprocessor ccts., microprogramming 2−22208
pseudo quadrature mirror filters bank 2−26096
rate-distortion speech coding with min. discrimination information distortion measure 2−10657
residual-excited linear prediction coder, 4.8 kbit/s, intelligibility and quality 2−2303
review, progress in speech recognition and speech research 2−21326
segmentation of speech, comparative study of algorithms *(French)* 2−15865
spectral analysis, pitch extraction 2−2308
spectrum encoding for speech analysis-synthesis *(Japanese)* 2−10660
statistical speech models, interpolation of estimators derived from sparse data 2−15859
TASI-E communications system, time assignment interpolation technique, electronic cct. multiplier 2−2639
time assignment speech interpolation system for digital and analogue appls. 2−2319
time assignment speech interpolation technique, private line voice concentrator, performance anal. 2−2317
time signal permutation method analysis, analog voice privacy system appl. 2−15869
unscrambler of helium speech, for diver-borne use 2−22753
video cursor, digital, appl. to frame-by-frame anal. of speaking face 2−26653
voiced speech, windowing in linear prediction anal. 2−10661
vowel centres, automatic detection from continuous speech 2−21325
vowel sound analysis and processing in man-machine communication systems 2−6414
waveform coding techniques *(Japanese)* 2−10659

speech compression *see bandwidth compression*

speech intelligibility
see also hearing
Chinese tones, perception expts. 2−21310
computer synthesized speech intelligibility improvement 2−21327
human/systems communication, speech at the interface 2−10673
noisy speech analysis-synthesis processing, synthesized speech quality improvement 2−21324
receiver leakage loss, effect on telephone speech clarity *(Japanese)* 2−16234
review, progress in speech recognition and speech research 2−21326
separation of several speakers recorded by two microphones 2−6448
signal detection in RC Gaussian noise *(Croatian)* 2−10665

speech intelligibility continued
stimulus level, effects on perception of two acoustic cues in speech 2−21316
synthesized speech quality measurement methods for audio response unit *(Japanese)* 2−15856

speech processing *see speech analysis and processing*

speech recognition
acoustic events in consonant-vowel syllables with liquid and nasal sounds 2−6422
acoustic prototypes, automatic selection 2−15860
airline reservations using conversational mode speech understanding system 2−10670
automatic, aspects and appl. 2−2316
automatic, development review *(French)* 2−15853
automatic, principles and applications 2−2307
automatic speaker recognition, measuring of contours of intensity and fundamental period of speech *(German)* 2−6416
automatic speaker verification using word recogniser, minicomputer 2−15867
automatic systems, speech normalization based on vocal tract area function 2−2299
automatic telephone speech verification system, security appl. 2−16070
automatic testing in production *(Italian)* 2−22045
business terminals, voice-controlled 2−2587
computer developments 2−2296
computer peripheral equipment, speech recognition systems, availability and further improvements 2−6421
computer recognition of speech, customer-oriented telecommunications services appls. 2−2295
continuous speech recognition by confidence islands *(French)* 2−2306
crime countermeasures, conf. Lexington, USA, 1981 May 2−13157
digital pattern matching, improved technique 2−15852
direct handling speech recognition ccts. *(German)* 2−2302
electronic displays conference, London, England (Sep. 1981) 2−18866
electronic speech synthesis and speech recognition *(Danish)* 2−21311
human/systems communication, speech at the interface 2−10673
isolated word recognition based upon source coding techniques 2−21309
lexicon of a speech understanding system 2−10678
LSI for speech I/O systems, design technology *(Japanese)* 2−26093
man-machine communication *(German)* 2−26105
man-machine communication by voice *(German)* 2−26211
man-machine communications with speech signals *(German)* 2−26091
microcomputer system appl. *(Chinese)* 2−26097
multilevel approach to pattern processing 2−26103
phoneme recognition, parameter representation and clustering method, application to stops in CV environment 2−15862
pitch extractor, time-domain approach 2−10677
police automatic voiceprint 2−2312
police forensic speaker recognition software 2−2311
police scrambling systems *(German)* 2−2314
review, progress in speech recognition and speech research 2−21326
Spanish fricatives /s/ and /f/ 2−21318
Spanish speaker-independent digit recognition system, phonetic rules basis 2−15864
speaker verification user acceptance online evaluation 2−2313
speaker-independent word recognition techniques for control of a voice messaging system 2−10676
state-of-the-art review 2−15858
statistical speech models, interpolation of estimators derived from sparse data 2−15859
stimulus level, effects on perception of two acoustic cues in speech 2−21316
syllabic hypothesization in continuous speech 2−26102
telephone system, listening computer application 2−16058
test-dependent speaker recognition methods using statistical and dynamic features of speech spectrum *(Japanese)* 2−26094
voice input to computers, electret microphone appls. 2−15857
vowel centres, automatic detection from continuous speech 2−21325
vowel recognition, digital filter appls. 2−10668

speech synthesis
A/D and D/A convertor construction principles *(German)* 2−2298
acoustic access in data processing equipment *(German)* 2−26208
adaptive delta modulation for speech synthesis, system design 2−21322
aids for the disabled, electrical and electronic devices using Braille displays and speech synthesizers *(German)* 2−26339
audio response units and voice control units for consumer products *(Japanese)* 2−6418
audio response units in telecomm. networks, synthesized speech quality measurement *(Japanese)* 2−15856
automatic stress assignment, Italian text to speech synthesis appl. 2−10652
chip sets, automatic voice response systems for telephony appl. 2−10653
CMOS single-chip speech synthesis LSI, HD61885, principles and features 2−26095
computer developments 2−2296
computer input and output advances 2−2304
computer synthesized speech intelligibility improvement 2−21327
computerised, MB Electronic Inc. system 2−26101
consumer electronics appls. 2−6969
CV syllable cepstral parameters of Japanese 2−15866
data rate below 5 kbit/s, speech digitisation methods *(French)* 2−6419
development and technology 2−2301
development trends in speech processing *(German)* 2−10664
digital filter modelling *(Japanese)* 2−10662
digital synthesizer using microprocessors *(Japanese)* 2−10663
'Digitalk' processor by National Semiconductor, principle and appl. *(German)* 2−10655
digitisation and compression, high quality speech process, review 2−26099
direct handling speech synthesizer modules *(German)* 2−2302
electronic displays conference, London, England (Sep. 1981) 2−18866
electronic speech synthesis, principles, technology, appls. *(Italian)* 2−21312
electronic speech synthesis and speech recognition *(Danish)* 2−21311
French reading machine for blind, simulation 2−10674
General Instruments speech synthesizers, LSI appl. *(German)* 2−26092
German text speech synthesis system, keyboard input, 'Syntex' system *(German)* 2−21313
HD61885 speech synthesis chip in CMOS technology 2−5807
IC application circuits commercial products *(German)* 2−14246
ICs, test strategy development for functional testing 2−19759

speech synthesis continued
ICs for speech synthesis, methods based on (AD)PCM, LPC, delta modulation and parametric waveform coding *(Czech)* 2−21323
information delivery potential of CAI, CMI and maintenance aiding 2−4590
LPC synthesis of voiced segments of speech, pulse driving function generator 2−15861
LSI digital signal processor tailored to voice synthesis, fabrication by NMOS technology 2−7065
LSI for speech I/O systems, design technology *(Japanese)* 2−26093
man-machine communication *(German)* 2−26105
man-machine communication by voice *(German)* 2−26211
man-machine communications with speech signals *(German)* 2−26091
microcomputer techniques and developments *(Czech)* 2−6413
microspeech computers, speech from written text production 2−26100
noisy speech analysis-synthesis processing, synthesized speech quality improvement 2−21324
parametric synthesizer, programmed 2−21308
phonemes combination, expt. results and application *(Korean)* 2−15863
phonetic synthesis using a computer 2−10671
review, progress in speech recognition and speech research 2−21326
semiconductors and microprocessors, SEMINEX seminar, London, England (March 1981) 2−24555
speaking clock with 25 kbit store producing 20 words *(German)* 2−10656
spectrum encoding for speech analysis-synthesis *(Japanese)* 2−10660
Speechtime talking clock, construction and appls. 2−5311
Synthe portable French speech synthesis apparatus using method of function of oscillogram segments, phoneme table-lookup *(French)* 2−2294
talking digital clock, UAA 1003-3 speed synthesizer IC, amateur constr. 2−26868
TDS90 speech chip 2−26098
techniques and devices *(German)* 2−2297
telephone exchanges, appl. to provision of new telecommunication services, computer synthesis 2−16272
telephone monitoring of an unattended computer-controlled experiment 2−22179
Texas TI-30 calculator interface to GIM voice synthesis module 2−14243
text based on syllables appl. 2−10675
text to speech translation, multimedia computer network access systems appl. 2−26293
TMS5220 voice synthesis processor from Texas Instruments 2−2300
typewriter with electronically produced voice for blind or partially sighted person 2−2305
visually handicapped, issues in man-machine interactions 2−10672
voice response systems for computer applications 2−10654
voice synthesizer model and vocabulary generation 2−26106
voice synthesizing ccts. using linear predictive coding techniques *(Italian)* 2−6415

speech transmission *see voice communication*

speed control *see velocity control*

speed indicating instruments *see velocity measurement*

speed measurement *see velocity measurement*

spherical aberration *see aberrations*

spin arrangements *see magnetic structure*

spin polarised electron emission
GaAs:Be(Zn) MBE and LPE layer photocathode struct., photoelectron spin polarisation 2−24857

spin wave resonance *see ferromagnetic resonance*

spin waves
see also magnetostatic waves
garnet bubble film, ion implanted layer, mag. state, temp. depend. study 2−15151
maser paramagnetic crystal, amplification of surface magnetostatic spin wves, calc. 2−1823
$Li_{0.5}Fe_{2.5-x}M_xO_4$ (M=Co, Mn, Ti, Al), microwave relax. props. 2−15155
Nb_3Ge, exchange interaction, CESR and spin wave behaviour 2−1597
Nb_3Si, exchange interaction, CESR and spin wave behaviour 2−1597
Nb_3Sn, exchange interaction, CESR and spin wave behaviour 2−1597
V_3Si, exchange interaction, CESR and spin wave behaviour 2−1597
YIG tunable microwave filters, coupled spin wave technique 2−24679

spinor groups *see group theory*

splat cooling
amorphous magnetic ribbon, manufacture, props. and appls., review 2−15135
Fe-Si-Al ribbons, Sendust, mag. charact., recording head appls. 2−15187

splines (mathematics)
see also function approximation; interpolation
approximating splines with assigned number of links and minimum possible weighted error *(Russian)* 2−19301
bicubic zero interpolation splines of nonzero angular point twisting vector estimate error *(Chinese)* 2−13685
bounds of Galerkin projections on splines with highly nonuniform meshes 2−19370
cubic spline, uniqueness and existence *(Chinese)* 2−13679
cubic splines and approximate solution of singular integral equations 2−13794
deconvolution using splines, high accuracy method 2−24243
Euler-Frobenius polynomial spline approximation 2−8689
field-reversed axisymmetric plasma, equilibria and MHD stability calc. 2−8735
finite signals, spectral computation using interpolation splines 2−15919
hyperbolic spline, simple, on finite interval *(Chinese)* 2−13676
image-data reconstruction through spline functions 2−6472
interpolation and best L_p local approximation 2−4934
lacunary interpolation by splines *(Chinese)* 2−13683
lacunary interpolation splines, some kinds *(Chinese)* 2−13671
local linear functionals for L-splines 2−24232
modified cubic B-spline interpolation 2−26120
monotone smooth function, spline interpolation *(Chinese)* 2−13682
multivariate B splines 2−24234
nonlinear operator equations, projection method using L-splines 2−19315
on lacunary interpolation splines *(Chinese)* 2−13686
periodic functions and polynomials, spline approximations *(Russian)* 2−4927
reduced Fokker-Planck eqn., finite element soln. 2−8683
segmented approximations, monotonicity of the error 2−24227
sequences of functions, uniform convergence *(Chinese)* 2−13680
shape control of the parametric cubic curve segment and the Bezier cubic curve *(Chinese)* 2−19287

splines (mathematics) continued
Signorini problem in elastostatics, reciprocal formulation 2−13380
spline approximations for neutral functional differential equations 2−19305
surface-fitting algorithm with spline functions 2−8677
transmission system transient response, numerical calc. with natural spline functions HV transmission line appl. *(German)* 2−22876

sponges *see porous materials*

sponginess *see porosity*

spontaneous emission, amplified *see superradiance*

spontaneous magnetisation
No entries

spooling *see winding (process)*

sports and entertainment
see also reservation computer systems
, programmable control circuit 2−4464
digital (LED) VU meter with 1000 watt readout, for disco lighting effect 2−2977
disco light sequencer, Lumitron-4 multi-function lighting-display control system 2−5106
discotheque lighting effect, moving poster 2−855
fairgrounds, primary distribution using 15 kV vacuum switches 2−22903
football stadium lighting design features 2−13066
heart-rate telemetry, short-distance, capactive 2−11948
measurement, control and information display in sport 2−6989
modern entertainment, art and architecture 2−25881
Music Module for TI 99/4 2−6952
SDA 2010/110 dedicated microcomputers, used for entertainment electronics 2−14164

spray coating techniques
see also electrostatic coating techniques; plasma arc spraying; powder spraying
CdS thin film fabrication for Cu_2S-CdS solar cells by chemical spray deposition-ion exchange process 2−23586
$Zn_xCd_{1-x}S$-CdTe thin-film backwall illuminated heterojunction solar cells, spray pyrolysis prep. 2−23592

spray coatings
see also electrostatic coatings; plasma arc sprayed coatings; powder sprayed coatings
CdS film, chemically sprayed, struct. and electronic props., solar cell appl. 2−5567
$CdS:Al_2O_3(SnO_2)$ coating prep. by spray pyrolysis, solar cells appl. 2−24990
$Cu_2S/Zn_xCd_{1-x}S$ heterojunction solar cells formed on sprayed $Zn_xCd_{1-x}S$ films, properties 2−18514
$In_{2-x}Sn_xO_{3-y}$ sprayed films, rel. to efficiency optimisation of Cu_2S-CdS backwall solar cells 2−18511
SnO_2/CdTe photovoltaic cells, prep. and characterisation 2−12874
SnOx, amorphous spray coating, elec. and optical props. 2−20104
TiO_2:B antirefl. coating, spray deposition, Si solar cell appl. 2−23498

sprays
see also aerosols; jets
droplet sizing system using television camera and minicomputer, pattern recognition procedures 2−21986
polyurethane paste use for sealing and decontamination *(German)* 2−8272
pulsed fuel spray drop-sizing technique for time resolved drop size measurements, using He-Ne laser beam diffraction 2−3275

sputter etching
blazed ion-etched holographic gratings, high-spectroscopic qualities 2−2049
dry etching technology for 1 micron VLSI fabrication 2−9571
etching, film deposition, using plasma technologies *(Spanish)* 2−20344
fine pattern lithography for LSI fabrication dry development of deep UV resist with RF plasma *(Japanese)* 2−1419
grating profiles, asymm. triangular, with 90° groove angles, by ion-beam erosion 2−1737
holographic surface grating fabrication techniques 2−2043
I^2L microprocessor chip, 16-bit, 1.25 μm min. geometry, electron-beam direct writing, ion implants, plasma etching 2−20388
ion beam, AZ resist, micron sized images, high temp. flow resistance 2−25115
ion beam oxidation technique 2−1308
ion beams, liquid metal alloy sources for B, Sb and Si, basic characts., fabrication technology appls. 2−20172
ion-beam pattern profiles, simulation 2−1311
ion-etched gratings for laser applications 2−2048
LSI, PMMA etch resistance under various reactive ion etch conditions, submicron structs. 2−20333
LSI function delineation by plasma etching, use on bipolar and memory ccts. 2−1408
LSI ion-beam lithography, plasma-developed ion-implanted resists with submicron resolution, etch mask appls. 2−20331
modelling of ion-beam etching process of thin films 2−20214
NMOS technology, anisotropic/selective reactive ion etching of poly-Si using SF_6 2−20408
pattern profiles, ion beam etched, three-dimens. simulation *(Japanese)* 2−9579
photoresist stripping process, chemiluminescence end-point detect. 2−20211
plasma etching processes automated characterisation techniques 2−14801
poly(vinylnaphthalene) electron resists, dry etching, etching rates comparisons, submicrometre fabrication 2−20314
reactive etching of photo- and electron-beam resist patterns, image flow reduction by UV hardening 2−20313
reactive ion etching for VLSI 2−9569
reactive ion etching in microcircuit fabrication 2−14923
reactive ion etching used for VLSI RAMs 2−20339
reactive sputter etching, plasma diagnosis by mass spectrometer, etching of Al, SiO_2 and photoresist 2−14793
resist pattern, high resolution, prep. by Ar+methane reactive ion etching 2−14785
rigid/flexible PCBs, plasma etching, drill smear removal 2−19966
semiconductor wafer anisotropic dry etching techniques, ion bombardment processes 2−14792
semiconductor wafer reactive ion/plasma etch system, batch capability, individual slice treatment 2−5693
shadowing techniques for fabrication of structs. in 100 Å linewidth regime, use of reaction ion etch and X-ray lithog. 2−20294
spu-chem etching technique for submicron patterns delineation 2−9584

sputter etching continued
triode-type reactive ion etching system, damage-free dry etching 2−9568
VLSI circuits, lithographic and etching techniques 2−25324
VLSI fabrication technology, reactive ion beam etching 2−20373
VLSI technology, reactive ion etching of poly-Si and Al films, dry development of photoresists, dry cleaning of substrate 2−20372
Z 2−9989
poly-Si plasma etching in SF_6, impact on MOS device charact. 2−9572
Al and Al-Cu films, reactive ion etching induced corrosion 2−14803
Al metallisation, reactive plasma etching 2−9592
Al plasma etching, optical endpoint detect. 2−14800
Al, reactive sputter etching using gas mixtures based on CF_4 and Cl_2 2−20208
Al_2O_3 sputtered films, lift-off pattern generation 2−24823
Cr, reactive sputter etching using gas mixtures based on CF_4 and Cl_2 2−20208
InP, directional reactive ion-etching, with Cl_2 containing gases 2−1312
$MoSi_2$ MOS structures, edge defined patterning 2−9733
Nb, reactive ion etching, electrodes for Josephson ccts. and microbridges 2−20564
Si, amorphous, CF_4 plasma etching 2−20109
Si, electron multilevel resist for lithography below 100 nm 2−9688
poly-Si plasma etching, optical endpoint detect. 2−14800
Si, reactive ion beam etch rate and yield with Ar^+-Cl_2 system 2−20206
Si, reactive ion beam etching with saddle-field ion source 2−20207
Si reactive sputter etching with very low mash-material etch rates 2−9570
Si, reactive sputter etching using gas mixtures based on CF_4 and Cl_2 2−20208
Si, single crystal, reactive ion etching, in CF_4/O_2 and CF_2Cl_2/O_2 plasmas, comparison 2−20209
Si wafer, reactive sputter etching characteristics of wafer with CF_4 and O_2 mixed gas 2−14778
Si:As, B wafer reactive-ion etch end-point detect. using spectrophotometer and photodetector 2−1303
Si_3N_4 plasma etching, optical endpoint detect. 2−14800
Si_3N_4 plasma etching in SF_6, impact on MOS device charact. 2−9572
Si_3N_4, reactive ion beam etching with saddle-field ion source 2−20207
SiO_2 grating patterns, X-ray lithography and reactive ion-beam etching fabrication 2−1309
SiO_2, high rate reactive ion etching using magnetron discharge 2−14786
SiO_2 on Si, reactive ion beam etching using fluorocarbon ions 2−15014
SiO_2, reactive ion beam etching with saddle-field ion source 2−20207
SiO_2, reactive sputter etching using gas mixtures based on CF_4 and Cl_2 2−20208
SiO_2, thermal, plasma etching optical endpoint detect. 2−14802
W films, pattern definition, high resolution 2−20160

sputtered coatings
see also reactively sputtered coatings
CC/a-/Si-H, hydrogenated film struct. and prop. depend. on RF-sputtering gas press. 2−600
Ni/Co coated video tape in Matsushita colour recording system *(German)* 2−21975
optical glass waveguide, imperfections, light scatt. study 2−15315
thin film, plasmatron sputtered system for hybrid circuits 2−14530
TiN sputtered diffusion barriers 2−12880
Al metallisation of MOS devices, effect of H_2-Ar mixing 2−1320
Cd-Si-As film, sputtered, compositional studies 2−5012
CdTe sputtered thin films, photocond. and photovoltaic effects 2−25581
Co-Cr magnetostructure film on YZ-$LiNbO_3$ substrate, SAW delay line 2−15218
Co-Cr sputtered layered media, optimisation for areal density 2−15194
Co-Ni-W sputtered film, recording performance and mag. props. 2−15193
Co_3O_4 sputtered electrodes, photoelectrochemistry 2−12772
$CuInSe_2$, thin films, ion-beam sputtered, characterisation 2−5599
γ-Fe_2O_3 thin film recording media preparation method 2−15195
γ-Fe_2O_3:Ti(Co), sputtered double-layer disk, mag. props., recording charact. 2−15196
GaAs:Cr amorphous film, hopping conduction 2−20092
GaAs:H, amorphous, RF sputtering and optical props., H_2 partial press. effect 2−19427
$(GaSb)_{1-x}Ge_x$ films, single cryst. metastable, growth, thermal stability and characteristics 2−13832
$(Hg_{1-x}Cd_x)Te$ RF sputtered thin films, effect of annealing in Hg vapour on props. 2−5557
$(Hg_{1-x}Cd_x)Te$ RF triode-sputtering film for IR detector arrays 2−9436
InP-based solar cells, fundamental physics and feasibility of efficient cell fabrication 2−23455
InP-$In_{2-x}Sn_xO_{3-y}$ solar cell fabrication, appl. of RF and ion-beam sputtering 2−23594
In_2SnO_3-Si solar cells fabrication using ion beam milling/sputter deposition and low pressure oxide growth process 2−23450
$In_{2-x}Sn_xO_{3-y}$ films, sputter deposited, elec. and optical props., heat treatment effects 2−14660
MoS_2:P films for LSI appls. 2−14914
Ni-Cr films, segregation, AES, electron diffr. and elec. cond. study 2−24337
PbO_2 sputtered electrodes, photoelectrochemistry 2−12772
Pt-SiO_2-n-Si solar cells, elec. charact. *(Japanese)* 2−18481
Si amorphous films, evaporated and sputtered, annealing and hydrogenation 2−24931
Si amorphous RF sputtered coating, photocond., optical and EPR props. 2−20093
a-Si:Ar RF sputtered films, elec. and optical props., effect of Ar 2−20102
Si:H, amorphous, RF sputtered, transport props. 2−1204
Si:H, amorphous RF magnetron sputtered coating, elec. and optical props. 2−19425
Si:H, amorphous RF sputtered coating, IR 2000 cm^{-1} absorpt. band and photoelectronic props. 2−20096
Si:H, crystalline, reactive sputtering fabrication, struct. study by X-ray diffr. and optical spectra 2−607
Si:H, O sputtered films, amorphous, optoelectronic props., effect of O 2−25580
Si:H, sputtered coating, H effusion, ion beam nuclear analysis *(French)* 2−589
Si:H amorphous films, photocond. and photolum 2−25578
Si:H(B)(P), amorphous DC sputtered coating, doping and elec. props. 2−19424
Si_xC_{1-x}:H, amorphous films, photocond. and photolum 2−25578

sputtered coatings continued
SiO_2, sputtered glass, on IC, avalanche breakdown influence 2−1310
SiO_2-Ta_2O_5 waveguide dielec. thin films, refr. index var. due to laser irrad. and annealing 2−10005
Ta, sputtered coating on Si, interface stresses and elec. props 2−14730
ZnO, annealed sputtered film, DC electroluminescence and photoluminescence 2−1794
ZnO sputtered thin films, luminesc. props. 2−25591

sputtered layers *see sputtered coatings*

sputtering
see also d.c. sputtering; diode sputtering; radiofrequency sputtering; reactive sputtering; sputter etching; triode sputtering
cryopump system for semiconductor production *(Japanese)* 2−25118
ion accelerator facility for nuclear bombardment target prep. 2−7252
ion source, HF sputter type, modified, charact. 2−3357
low pressure sputter deposition lift-off technology process 2−19434
MISS-4, miniature sputter ion source for tandem accelerator 2−11777
negative ion sputter source for radioactive dating project 2−11775
negative sputter ion sources performance, theoretical anal. 2−11774
plasmatron high-rate sputtering methods and appls. in microelectronics, hybrid microelectronics and electronics 2−19450
single cryst. film growth, by sputter deposition, ion-surface interaction effects 2−24328
SNICS, surface ionisation sputter-type ion sources, sputter cathode enhanced axial erosion 2−11776
SOS wafer, electrical interconnection form. in laser-drilled hole array 2−1008
step coverage during thin film deposition 2−8830
AlN film grown at low temp. by modified sputter gun 2−8828
Au-Ge laser-annealed ohmic contacts on GaAs, microstruct. and resistivity 2−14698
Co-Cr films for perpendicular mag. recording, opposing targets sputtering deposition 2−13834
Cu targets for sputtering apparatus, improving operation by prior heat treatment 2−24320
$CuInSe_2$-CdS thin film solar cells, development 2−23548
GaAs single cryst. film growth, by sputter deposition, ion-surface interaction effects 2−24328
GaInAs-AlInAs structures grown by molecular beam epitaxy 2−8808
HgCdTe, anodic oxide and ZnS passivant films, substrate interaction, XPS and ion sputtering meas. 2−9582
Nb-Nb_xO_y-Pb(In) Josephson contacts, prod. by sputtering in low power HF discharge 2−24322
Nb_3Ge film, hollow cathode magnetron sputtering on continuous stainless steel tape 2−19433
Nb_3Sn superconducting tape, AC losses and stabilization 2−5933
Si, amorphous, new fabrication technologies 2−25020
Si:H, amorphous Schottky barrier solar cells, prep. by plasma decomp. and sputtering, carrier generation efficiency 2−12861
Si-SiO_2-Al structure, Al-SiO_2 and Si-SiO_2 interlayer charact., ellipsometry, C-V meas., and AES study 2−5638
SiO_2, formation in RF generated O_2 plasma in press. range below 10 mTorr 2−20204
SiO_2 formation in RF generated O_2 plasma at press. greater than 10 mTorr 2−20205

square-wave generators
adjustable duty ratio generator cct. *(German)* 2−14010
duty cycle control, using frequency independent system 2−9031
electronic music voltage controlled square wave oscillator, using CMOS invertors 2−21994
f-2 f signal source with phase-shift, fixed frequency 2−14013
magnetometer calc., flux-gate, excited by square-wave generator *(Chinese)* 2−17105
programmable duty cycle, high, low, using ICs *(Italian)* 2−22287
retriggerable monostable, using bipolar transistor *(Italian)* 2−19591
timing generator, adjustable, with rectangular pulse train shifting capability 2−14020
variable frequency and mark-space ratio 2−24441

SQUIDs *see superconducting junction devices*

squirrel cage motors
3-phase, operational principles and construction, basic relationships *(French German)* 2−18221
3-phase, symmetrical, with double rotor bars simulation under dynamic conditions *(Chinese)* 2−23301
air-gap-field calculations, using serramorph, serraphil functions *(German)* 2−18224
aircraft induction motors with unstable supply freq., operating feature and static/dynamic charact. 2−27927
asymmetrically connected, rotating field theory 2−4207
asynchronous performance of a modern reluctance machine 2−23281
basic voltage and torque eqns., allowing for all MMF and permeance harmonics 2−27902
cage breakdown study using partial equivalent network method *(Italian)* 2−18220
cattle fodder mixing by AC motor speed control 2−28307
current inverter for cage rotor induction motor torque and speed control via thyristors *(German)* 2−8968
cycloconvertor driven, performance anal. 2−4172
discontinuous mathematical model of squirrel case asynchronous motors 2−7862
end-ring resistance calculation 2−18219
fractional horse power with hybrid rotor, dynamic behaviour 2−4251
frequency controlled, design calc. *(Russian)* 2−4144
high-speed motor rotor props. *(Polish)* 2−18235
induction motors, air-gap field investigation *(Hungarian)* 2−12637
industrial user, basic guide 2−23287
invertor driven, performance anal. 2−4189
invertor driven, PWM performance anal. 2−4173
invertor fed, performance anal. 2−4193
linear, single side, magnetic field calc. partial differential equation model 2−4161
load characteristics of induction generator with static exciter 2−4196
magnetic field, eddy current contrib. 2−23300
magnetic field analysis 2−12641
measurement principles and star and triangle connection formulae *(German)* 2−23290
microprocessor controlled transistor invertor for squirrel cage motor traction 2−13027
multilayer solid rotor, performance anal. 2−7863
noise and vibration meas. 2−12676

squirrel cage motors continued
performance vs. efficiency 2−12645
power controller for energy savings 2−18222
power factor and efficiency understanding 2−18250
redueed voltage starting using SCRs 2−23303
rotor bar currents calc. 2−4201
shearers, power transmission and control 2−18840
speed controlled electric drives for cranes using tubular cage motors *(Hungarian)* 2−23668
starting current calc. differential equations model 2−7853
starting parameters for large squirrel cage motors, calc. method based on variable impedance model *(Croatian)* 2−27909
static inverter AC drive efficiency 2−28145
teeth, Fe losses 2−23299
three phase motor control using ursalog 5010 stored program control equipment, rolling mill appl. *(German)* 2−12965
three phase Simotrac drives for Rheinbahn's B80D trams 2−28183
three-phase, permeance of eccentric air gap, calc. 2−4137
three-phase small motors, air-gap nonuniformity influence on performance *(Polish)* 2−18233
transient behaviour digital simulation 2−4209
transistor frequency convertor-fed for 3-phase drives *(German)* 2−18223
variable speed drives, impact of electronics and microelectronics *(German)* 2−18145

stabilisation *see stability*

stabilisers *see controllers*

stability
see also flow instability; frequency stability; limit cycles; Lyapunov methods; plasma instability
2-D recursive digital filters, necessary and sufficient conditions 2−6442
735 kV shunt-compensated system stability with static compensators 2−17696
AC arc discharge instability measurement, microprocessor based measurements 2−11360
AC systems, effect of static compensators *(French)* 2−23256
AC/DC system disturbances computation, derivation of power frequency variables from convertor transient response 2−12224
AC/DC system disturbances computation, transient stability assessment 2−12225
active-R filters, large signal instability 2−5287
active-RC filters, large signal instability 2−5287
advection equation, numerical boundary conditions, stability and accuracy 2−8723
aircraft landing gear longitudinal instability 2−13006
alignment of supporting bearings of the 800 MW turbo unit 2−18172
analysis of electrodynamic stability of self-supporting conductors *(Russian)* 2−17767
attitude stability of n-body spin satellite with elastic appendages *(Chinese)* 2−22579
block diagram representation of multimachine synchronous power system/ 2−3697
BWR design and operating report, data to facilitate stability tests analyses 2−3878
causal shift-variant system excited by causal inputs, characterisation 2−6430
causes for disruption of equilibrium stability of hydroelectric generator cores 2−18170
centralized versus decentralized damping of low-frequency oscillations in a large power system 2−7505
characteristics and stability of a magnetic suspension with pulse-width current control in the electromagnet *(Russian)* 2−18674
circuit and timing simulation programs, algorithmic passivity, stability of numerical integration algorithms 2−660
comparing the conditions for stability of periodic conditions of operation in compensated networks derived by various methods *(Russian)* 2−27447
computer modelling of an electromagnetic suspension *(Russian)* 2−18673
conditions for stability/ of a transmission system/ subject to random variations in power flow/ *(Russian)* 2−3729
consumer electricity supply stability and quality maintenance 2−7490
continued fractions, generalised, stable evaluation 2−8716
control of postemergency conditions of power systems on capacity unbalances 2−12171
controlled p-n-p-n structure type amplifiers, temp. stability of gain 2−748
convection-diffusion equations, stability and error estimates of Galerkin finite element approximations 2−8678
convertor systems, analysis, comparison of methods 2−23351
correcting feedback in autonomous voltage inverters *(Russian)* 2−4277
Crank Nicolson schemes, generalised, linear combinations 2−8724
DC regulated supply, using digitally controlled SCRs 2−24398
decentralised and centralised automatic generation control, multivariable servomechanism approach 2−3705
differential equation conditional stability and dimensionality 2−13753
directional secondary inferior derivatives, stability in programming non differentiables *(French)* 2−19249
discriminating stability for second order linear system, numerical method *(Chinese)* 2−13687
double sweep method *(Chinese)* 2−13733
drift-dominated unipolar cond., small-signal impedance and stability 2−5060
drive system for stepping motor, analogue quartz watch appl. 2−28137
dual-excited synchronous generator, dynamic modelling 2−4085
dynamic behaviour estimation using statistico-probability method 2−27328
dynamic stability of a sliding contact between pliant brushes and a smooth commutator, analysis *(Russian)* 2−27938
dynamic stability of large induction motors as influenced by voltage disturbances 2−27916
EHV transmission line containing controlled reactors, transient stability limit 2−3688
EHV transmission system containing controlled reactors, transient stability limits 2−3689
eigenvalue sensitivity analysis in relation to dynamic performance of large generators with excitation system 2−4099
electrical power systems, long term stability 2−12182
electrical power systems load modelling techniques, implications in stability analysis 2−17654
electrodynamic model tests on an electromechanical frequency changer for flexible coupling of electric systems 2−4275
emergency control of power systems using synchronous and nonsynchronous tie lines 2−27410

stability continued
evaluating the adjustment parameters of controllers for large turbogenerators 2−27721
evolution equations, computational stability *(Chinese)* 2−13726
fault simulation of divided winding rotor synchronous generator with rectifier excitation 2−4055
feasibly decentralized dynamic compensators in power generation 2−7513
feedback system differential equations 2−13750
feeding incandescent bulbs/ by stabilisation of power/ *(Russian)* 2−4462
flight data frequency-domain analysis computing 2−22606
frequency standard, Rb, passive, S/N ratio and short-term stability 2−17085
games, on stability of perfect equilibrium points 2−13423
generalized zero sets of multiparameter polynomials and feedback stabilization 2−24231
graphical design/ of input filter/ for solid state AC relay/ 2−996
gyroscope, fibre-optic, long-term stability 2−1711
HV machine insulation systems, mica appls., thermal stability 2−23254
HV power generation, superconducting magnetic energy storage system characts. 2−12572
HVAC transmission planning and related problems 2−12229
hydraulic turbine governor, predicting the stability of regulation 2−7753
hydrocode subcycling stability 2−4973
hydrogenerator operation, dynamic stability *(Rumanian)* 2−27781
hypermatrices theorems 2−13635
improvement in the transient response/ of a hydrosystem/ by compensation/ and stabilising signals 2−3957
indoor switchgear busbar design, electrodynamic stability under short circuit conditions *(Russian)* 2−28060
induction motor, stability, driven by current source invertor 2−7844
induction motor stability nonlinear differential equation model 2−7851
infinite bus connected synchronous machine transient stability anal. 2−4082
influence of wheel/rail contact geometry on large amplitude wheelset equations of motion 2−13001
integral stability for functional differential equations of the neutral type 2−19080
interconnected power system, decentralised and hierarchical stabilisation techniques 2−3699
internal discretization in Sobolev space W_{op}^{1} 2−19302
inverse Laplace transforms parallel stabilisation and error bounds 2−8791
invertor driven induction motor anal. 2−4175
ion source temporal stability increase for cyclotrons 2−11758
large interconnected power system, local feedback stabilisation 2−12128
large scale feedback system differential equations 2−13751
large superconducting generator development benefits for utilities 2−18210
magnetic levitation systems, electromagnet supply form controlled-current source, stability anal. 2−28155
mains voltage swing damping, using controllable parallel compensators *(German)* 2−17692
Marecs, communication satellite 2−6802
microwave feedback transistor amplifiers, graphical design method 2−5122
minimal surfaces, stability *(Russian)* 2−13552
moving weighted average smoothing extended to the extremities of the data, stability and optimal properties 2−19096
multi-generator power system global stability calc. using OSTAB-Z computer program *(Polish)* 2−22812
multidimensional digital filters, finite word length effect and stability 2−5295
multidimensional digital filters, stability test 2−836
multilayer PCB production, dimensional stability of laminates, production tests 2−19983
multimachine AC/DC power system, transient stability anal. via energy-function method 2−22824
multimachine model for investigating synchronous machine interactions 2−4091
multimachine power system, closed loop quasioptimal excitation control strategy 2−3695
multimachine power system dynamic stability evaluation, eigenvalue approach 2−7497
multimachine system, coherency identification and equivalents for transient stability studies 2−7499
new inner matrix 2−24036
nilpotent groups 2−8351
nonlinear constrained problems, existence and stability results 2−8744
nonlinear networks, high-order nonindepend. systems with piecewise-linear characts., stability of periodic regimes 2−679
optimisation problems stability proof using duality correspondences *(German)* 2−425
ordinary differential equations, numerical solution of initial value problems *(Hungarian)* 2−4954
parallel foliations, stability theorem 2−19234
parallel nerve fibres stability properties 2−4957
PC materials, long-term hydrolytic stability 2−14417
periodic marketing ring, equilibrium and stability 2−8407
periodic orbits of ordinary differential equations 2−8420
perturbed collocation and Runge-Kutta methods 2−19351
power network, dynamic model of optimum development *(Russian)* 2−17691
power overhead lines voltage stability *(Czech)* 2−17688
power system, nonlinear observability, quantitative estimate 2−12159
power system, stabilising controller design using pole-assignment technique 2−7512
power system, transient stability, equation of motion appl. 2−3674
power system development trends *(French)* 2−12168
power system dynamic stability analysis 2−22841
power system hybrid simulator for dynamic anal., experience 2−7468
power system multi-machine anal. 2−3664
power system stabiliser using speed and electrical power inputs, design and field experience 2−3686
power system stability problems review *(Croatian)* 2−27375
power system stabilization via excitation control of two-axis synchronous generators 2−7492
power system steady state stability by method of successive approximations *(Russian)* 2−22806
power system steady-state mathematical anal. models 2−27327
power system transient response load charact., load-model guidelines 2−12177
power system transients, sparse matrix anal. 2−3663

stability continued
power systems, asymptotic stability domain estimation *(Chinese)* 2−13367
power systems, large scale, stability region determ. 2−3679
power systems, optimal decentralized damping of low-frequency oscillations under control energy constraints 2−3696
primary data conversion devices noise stability 2−8303
probabilistic approach for power system/ dynamic stability studies/ 2−3693
pulse mode sequential circuits, classification by circuit form, and stability, race and hazard observations 2−14048
PWM discrete stabilised power supply in elec. motor car, dynamic behaviour anal. *(Russian)* 2−4430
queueing systems without delay, stability theorems 2−24058
radar systems, phase instability induced spectral spread 2−21868
radial and conventional rail vehicle trucks curving performance 2−12999
rail freight car lateral dynamics 2−13000
regenerative processes convergence and stability 2−295
reliability index of transient stability for a single machine connected to an infinite-bus 2−7469
Runge-Kutta method BN stability 2−13776
satelite, spin stabilised, motion irregularities analysis 2−22590
scintillation detectors, pulse height changes 2−22487
screened eddy-current convertors, temperature-dependent instability of electrical parameters *(Russian)* 2−24637
second-kind Volterra integral equations, numerical treatment, convergence and stability anal. for modified Runge-Kutta methods 2−8766
semiconductor devices, DC nonisothermal characteristics, relationship to thermal stability 2−9593
semiconductor materials, neutron transmutation doping 2−1292
series dynamos, recuperation braking with impulse convertors *(Czech)* 2−28005
servo-controlled leak valves, increased stability 2−9003
ship satellite communication antennas, control analysis for direct mechanical stabilisation 2−10588
single-machine power system, new type Lyapunov function for better estimation of stability region 2−7476
single-phase auto-reclosing-philosophy and experience in South Africa 2−3749
speed regulator systems design and control algorithms, for tape recorders *(Polish)* 2−2954
stability and curving mechanics of rail vehicles 2−12998
stability of a synchronous generator with AEC under excitation modulation 2−23277
stability of solutions bifurcating from multiple eigenvalues 2−19098
stability regions in optimization of the quality of electric energy *(Russian)* 2−12135
stability theorems, 1-D and 2-D, for discrete systems 2−15903
steam power stations for combined heat/electricity generation, bilinear control systems mathematical models of stability 2−23108
subsynchronous resonance, laboratory measurements 2−7504
Super-Phenix steam generator model, dynamic stability synthesis studies *(French)* 2−27639
superconducting cables, transient stability, against thermal disturbance 2−7551
superconductor, composite, stability under AC conditions, influence of nucleate-film boiling transition in liq. He 2−15238
superconductors, A15 microcomposite, hot powder metallurgical prep. 2−5929
synchronous machine anal. 2−4087
synchronous machine stability region maximisation control law for operation in network 2−27899
synchronous machines, stabilisation through integral action 2−27884
teletherapy-beam symmetry stability rel. to gantry angle 2−3509
thyristor PWM power convertor in intermediate current conditions, stability of closed-loop system *(Russian)* 2−23354
topology, periodic orbits stability *(French)* 2−24142
transformer rectifier-invertor with pulsewidth modulated voltage in AC cct., parameters determ. *(Russian)* 2−4299
transistor chopper driven, DC motor performance anal. 2−4229
tunnel diode oscillators, stabilisation using supercond. cavities 2−19585
two dimensional recursive digital filters, stabilisation 2−848
two dimensional state-space digital filter, stability and overflow oscillations 2−15894
two-stage stability test for two-dimensional recursive digital filters 2−14220
TWT in region near limit of passband 2−1119
underfrequency load shedding for system stability restoration 2−3708
Volterra integral equations, linear multistep methods 2−8767
Wien-bridge oscillator with high-amplitude stability 2−14001
wind speed height extrapolation, similarity model and modified power law model compared 2−18108
wind turbines, horizontal axis, axisymmetric, large size, dynamic stability and economic viability 2−18130
wind turbines, systems dynamics, control and analysis of large size units 2−18131
wooden poles for LV overhead power lines, breakage tests *(German)* 2−17745
β-B, rhombohedral, photocurrent instabilities, low freq., at low temp. 2−25569
Li/LiI/I_2 (PVP) pacemaker battery, solid electrolyte role 2−12794
Nb_3Sn cable-in-conduit force-cooled superconductor, stability meas. 2−5976
Nb_3Sn superconducting cable, internally cooled, performance in solenoid 2−5974
Nb_3Sn superconducting tape, AC losses and stabilization 2−5933
Si, neutron transmutation doping 2−1292
W cathodes, polycryst. and monocryst., field-emission current instability, in high vac. 2−1100

stability criteria
see also Nyquist criterion; Popov criterion
contractive semigroups, stability criteria via maximality procedures 2−8340
doubly excited synchronous machine, Routh criteron 2−4083
injection-locked oscillators, phase-lock stability using time-domain approach 2−9224
sound amplifying systems, acoustic feedback instability *(Russian)* 2−22009

stability of numerical methods *see convergence of numerical methods*

stacking faults
alloy, precipitation strengthened, AE from dislocation motion 2−13889

stacking faults continued
SOS films with negative and positive interfacial charges 2−5639
GaAs epitaxial layers, screw and circular structures 2−4998
GaAs:Zn(Se), ion implanted, annealed, TEM study 2−14772
InP epitaxial layer, defect obs. and correl. with device performance 2−1198
Si avalanche photodetectors, crystal defects, electron channelling imaging with SEM 2−9483
Si Czochralski crystal., elec. characterisation of cryst. defects and O_2 using gate controlled diode 2−14626
Si epitaxial layers, screw and circular structures 2−4998
SiC layer epitaxial growth by sublimation sandwich method, struct. defects 2−19406

staff *see personnel*

standard microphones *see microphones*

standard voltage generators *see signal generators*

standardisation
aircraft instrumentation system installation, practical aspects 2−17489
ATE descriptions 2−26722
ATE/unit-under-test interface 2−22133
AXB 20 telex and data switching system, store and forward facility *(Croatian)* 2−2612
capacitors, standardised graphical symbols *(Czech)* 2−5374
Chinese nuclear technology, current status *(German)* 2−27614
communications links compatibility in USA 2−16003
data communication systems linking to Swiss telephone network *(German)* 2−21599
DIPS standardised operating system, DIPS 104 OS 2−26278
distributing networks, ENEL unified telecontrol system general principles *(Spanish)* 2−7541
electrical equipment protection, standardisation, moulded cct. breakers versus fuses 2−12737
electrical installations in buildings, international standardisation *(Spanish)* 2−7542
electrical systems standardisation and past and present work of International Electrotechnical Commission *(Spanish)* 2−23870
electronic components, standardisation and certification organisation and current work *(Spanish)* 2−4650
electronic equipment, packaging, enclosure standardisation trends 2−18996
electronic instruments 2−6987
European teletext systems, mutual compatibility problems and prospects 2−21522
European view of telecommunications market 2−2430
facsimile 2-dimensional coding schemes, modified READ system *(Japanese)* 2−16076
French nuclear power programme based on 900 and 1300 MWe PWR standardised units, benefits 2−12350
instrumentation standards attitudes and preparation 2−3032
Italian integrated services digital network signalling and protocol definition 2−6520
LV central and drive system unified blocks standardisation *(Polish)* 2−23670
measurement of operational amplifier characteristics 2−17061
metering devices, special invoicing rates incorporation *(German)* 2−12317
microcomputer technology *(Japanese)* 2−14156
microwave and radio-frequency exposure limits, world's development trends 2−17425
Nordsat direct broadcasting satellite project, alternative modulation methods 2−21806
power equipment static protection, development prospects *(Polish)* 2−22955
quality assurance and applied statistics *(German)* 2−19028
rationalisation of electro-installation procedures in buildings *(Czech)* 2−7529
rationalisation of electro-installation procedures in industrial plants *(Czech)* 2−4606
resistors, standardised graphical symbols *(Czech)* 2−5374
signal transmission between front-end processor and signal convertor *(German)* 2−3094
solder flux properties, standardisation 2−13287
studio digital tape recorder, audio equipment standardisation *(German)* 2−22018
telecommunication cables, five categories, specifications and standardisation, Holland *(Dutch)* 2−6728
telecommunications organisation information transfer systems standardization *(German)* 2−21414
telematic system architecture and subsystem interface standardisation *(Italian)* 2−16179
television picture component coding system, experimental 2−21911
transducer with AC input *(Bulgarian)* 2−26817
TV systems, master control monitors, standardization of colour reproducing characts. 2−11195
up to 30 kV, tunnels and channels standardisation *(Polish)* 2−22946
USAF avionics interface standardisation 2−3559
videotex, teletex and facsimile services, unification advantages and obstacles *(French)* 2−21472
videotext systems international standardisation *(Japanese)* 2−6563
videotext systems structure, components, transmission coding and standards compatibility *(Finnish)* 2−21495
vocoders, below 5 kb/sec *(French)* 2−10900
weighing in Europe 2−8191
wound capacitors, letter-coded types *(German)* 2−966

standards
see also CAMAC; code standards; constants; measurement standards; television standards; units (measurement)
AC installations at 1 kV and above, maximum permissible contact voltages *(Russian)* 2−49
accident prevention during placement on roof *(German)* 2−21934
AM/FM calibrator for use as a modulation standard 2−15823
antenna radiation standards using optimised wavelength-sized scalar horns 2−10603
ATE/unit-under-test interface 2−22133
biomedical equipment international standards and safety status, trends and evaluation 2−27110
broadcasting stations, technical standards and application *(Japanese)* 2−21909
certification marking and quality assurance 2−24012
changes concerning co-ordination of cartridge fuse and cable ratings, UK wiring regulations 2−53

standards continued
Chinese and German specifications and standards comparison on electrical equipment for hazardous atmospheres *(German)* 2−18143
chip carriers advantages and disadvantages *(Swedish)* 2−23993
commercial power main conducted susceptibility standard 2−22956
communication global networks, X.25 protocol advantages and limitations 2−26264
communications optical fibre measurement techniques and international standards *(French)* 2−6834
computerised instruments data handling speeds, by use of memories in instruments 2−16782
conducted emission limits of VDE 0871/0875 and MIL-STD-461A for electronic test equipment 2−22036
connection diagrams in automation technology *(German)* 2−4567
CRT displays, problems of flicker and inadequate standards 2−22153
cruise missile system, fibre optic data link development 2−21817
data communication, national requirements and international standards for Sweden 2−6629
description of a planned federal information processing standard for transport protocol 2−21553
design issues of protocols for computer mail 2−21477
DIAL: structuring and representing data for interchange at the application level 2−16150
digital transmission interface standards *(German)* 2−21547
digital video tape recorder formats 2−26647
digital VTRs, unified standards 2−2950
distributed processing 2−2517
EHV power switch testing problems *(Polish)* 2−18386
electric equipment for maintenance of live LV/MV networks, recommended tests and standards *(Hungarian)* 2−18958
electrical fire alarm signalling equipment/−basic regulations and diagrams *(Czech)* 2−57
electrical motor efficiency, NEMA Standard, USA 2−7809
electrical motors, types, charact s., and appls. in household appliances 2−4022
electricity meters calibration range validity extension using random-test-method, experience from user point of view *(German)* 2−3181
electronic components, quality and reliability, Indian standards 2−24019
electronic equipment, standards for tropical protection 2−8254
electronic mail, users' caution 2−10808
electronic mail message standards 2−16094
electronic mail network data security ISO standard 2−16106
electronic message systems, struct., delivery, address identification and user interface standards 2−16074
electronic packaging standards, IEC 297 for racks and panels 2−105
electronic safety systems for use in hazardous environments, technical progress and established practices and standards 2−18939
electronic scanning facsimile apparatus *(French)* 2−21492
electronic weighing systems, standards and enforcement in Hungary *(Hungarian)* 2−22410
electronics industry, ionogenic contamination measurement and control *(German)* 2−13280
EMC, MIL-STD-461B, application tables 2−25984
emergency lighting, maintenance and testing, BS Codes of Practice 2−23739
emergency power sources for security and hospital paging systems *(German)* 2−18945
Ethernet capability as local area network standard 2−21579
experience in introduction of a coordination system for application of electric motors 2−4014
fibre optic interconnection standards, for MX missile program systems 2−21816
fibre optics international standards, interfaces 2−26492
graphical symbols for electrotechnology, contacts switches and relays 2−986
heterogeneous local area computer network architecture 2−21556
Hewlett Packard's 47210A capnometer, calibration and performance verification 2−17352
HF power supplies magnetic components 2−5091
IC reliability, standards and economical aspects *(Italian)* 2−5762
IEE Regulations for electrical installations, 15th Edition, overview 2−44
IEE wiring regulations, back-up protection in final circuits 2−22949
IEE wiring regulations, changes 2−23948
IEEE 488/78 automatic measuring system interfaces, comp. with previous standards *(Spanish)* 2−26748
IEEE validation program for the continuing education achievement of electrical engineers, update 2−18894
impact of new source performance standards on advanced industrial energy technology 2−3896
industrial electrical installations protective measures and maintenance *(Italian)* 2−22954
instrumentation standards and codes of practice 2−6982
international safety standards 2−22517
international standards for open system interconnection, USA perspective 2−6643
IR building diagnostics, ASTM procedures development 2−3076
IR diagnosis of building construction, personnel training, Canadian experience 2−25
IR imaging of building heat losses, ASHRAE standard appl. 2−3078
IR system operator, training 2−24
isolation and switching, wiring regulations in United Kingdom 2−4607
ISSTI technical document standards *(Czech)* 2−13326
lighting, technical advice from electricity supply undertakings for work place humanisation *(German)* 2−8081
lighting energy and maintenance 2−8085
local area networks: foundation for progress 2−21646
local area networks standards 2−2509
LV electrical equipment wiring regulations and international fusegear standards. 2−7952
LV fuse standards, 15th IEE Wiring Regulations, impact 2−9279
LV switches short cct. rating *(Italian)* 2−985
microprocessor weighing system TENSIMIK, A/D convertor and OIML recommendation *(Hungarian)* 2−22408
microwave and radio-frequency exposure limits, world's development trends 2−17425
microwave radiation from solar power satellites, biological effects and exposure standards 2−27208
MIL specs for semiconductor devices and ICs 2−14902
MIL-STD-461B, EMI and EM susceptibility requirements for aerospace instruments 2−21153
standards continued
military aircraft instrumentation installation, sneak analysis appl. 2−17500
miniature circuit breaker standards, 15th IEE Wiring Regulations, impact 2−12731
moulded case circuit breakers for overload and short cct. protection, new regulations, UK 2−7951
new wiring regulations, effects on designer and specifier, UK 2−4608
new wiring regulations for protection against indirect contact electric shock, UK 2−45
new wiring regulations for protection against indirect contact, United Kingdom 2−52
nonharmonic distortions in audio amplifiers, meas. in accordance with DIN, SMPTE, and CCIF standards *(Croatian)* 2−24408
Norwegian telephone system operational reliability standards *(Norwegian)* 2−26223
Open System Interconnection architecture, impact on information system design *(Italian)* 2−21611
open systems interconnection, ISO reference model 2−21581
P690 for cable systems installation for Class 1E ccts. for nuclear power stations 2−17840
P/N 1360 data systems transmission standard 2−16157
PCB standards 2−9283
PCMVCR interface for digital audio 2−11298
photovoltaic technologies, performance criteria and standards development 2−18543
power plant particulate control equipment design standards 2−3894
power plants 2−7591
prevention of accidents in prefabricated cabinets and panels for medium voltage appls. *(Italian)* 2−13237
production testing, NVLAP accreditation program 2−8252
protection against electrostatic electrification, Standard TGL 35731, in Germany *(German)* 2−2075
rationalisation of electro-installation procedures in buildings *(Czech)* 2−7529
reference materials from National Bureau of Standards for semicond. industry 2−22035
reference standard manufacture, advanced equipment design by ion implantation 2−5676
relays *(Italian)* 2−24762
remote DP, data transmission protocols *(German)* 2−21586
RF ignition hazards review 2−13247
road lighting installations, design code, New Zealand 2−23732
safe installations in petrol stations and garages 2−4609
steel industry, effects of US National Electrical Code 2−8227
strain gauges, electrical load cells and weighing cells *(Hungarian)* 2−22406
Swedish and West German teletex services compared *(Swedish)* 2−21471
switchgear, non-conventional, production plant requirements for compliance with Czechoslovak standards *(Czech)* 2−28045
sytematic measurement errors 2−3031
technical, role of IEC in controlling trade 2−19057
telecommunication equipment, mechanical durability test, loads occurring during transport *(Hungarian)* 2−8255
telecommunications proliferation and market complication 2−21415
teletex internal office message system prospects 2−21470
Telidon, encoding grey level BIT pictures 2−10837
Telidon relationship to computer graphics standards 2−10836
temperature meter for electric machines, Soviet GOST Standard check *(Russian)* 2−27854
thermoplastic resins, protection against fire, international standards *(Italian)* 2−20465
two-storey cell with removable SF_6 contactor and circuit breaker *(French)* 2−28068
ultrasonic testing, reliability of techniques *(French)* 2−17617
US data encryption standard 2−26090
US standard UL 508, specification for electrical and electronic control 2−23938
variables acceptance sampling standards, ANSI Z1.9 (1980) and ISO 3951 (1980), revisions 2−8284
varnish as insulating coating, UL 1446 standard 2−25388
videotex, standards and consumer acceptance 2−10828
Videotex standardization in Europe, plans by CEPT *(German)* 2−21508
videotext standardization for national and international compatibility *(German)* 2−10831

standby generators
automation of synchronous drives for a reliable operation of electrical equipment in catalytic cracking points *(Russian)* 2−18824
DC, diesel-driven, up to 200 kW *(Spanish)* 2−27773
diesel, for emergency use *(Japanese)* 2−23153
diesel engine generators, EMI level tests 2−27775
reliable starter batteries for diesel-driven plant 2−12514
small-scale, overall planning problems 2−23150

standby power supply *see emergency power supply*

standing wave detectors *see standing wave meters*

standing wave indicators *see standing wave meters*

standing wave meters
automatic SWR meter, stored capacitive energy measurement basis *(German)* 2−7148
SWR warning alarm cct., amateur radio appls. 2−21738

star phase rectifiers *see rectifiers*

Stark broadening *see Stark effect*

Stark effect
see also atomic spectra
far IR lasers, optically pumped, transition meas. using Stark optoacoustic technique 2−25729
methanol IR transitions, investigated using optoacoustic technique and Stark effect meas. 2−25726
methyl alchohol, CH_3OH and CD_3OD, optically pumped, Stark effect in subMM laser lines 2−15457
CO laser, intensity modulation, freq. stabilisation and tuning by extracavity Stark cell 2−20939
Ge:P, photoconductivity spectrum of shallow donors, elec. field effect 2−15388
$^{15}NH_3$, CW Stark far IR lasing lines, optically pumped by CO_2 or N_2O laser 2−1872

stars
see also stellar .....
see also Sun
No entries

starters *see starting*

starting
see also actuators; exciters; ignition
1.2 GW coal-fired power plant design for daily cycling 2−18007
60 kVA permanent magnet starter generator system for aircrafts 2−17501
400 MW gas-fired combined cycle units at Gersteinwerk power station start-up procedure optimisation using simulation method *(German)* 2−17957
800 MW gas/oil fired, boiler starting system features 2−27735
air compressor types, application and energy economics *(French)* 2−23257
aircraft induction motors with unstable supply freq., operating feature and static/dynamic characts. 2−27927
baghouse filter design for pulverised-coal-fired boilers 2−23132
battery design for use in starting diesel generator set *(Norwegian)* 2−23408
boiler baghouse design and initial operating experience 2−18008
breaker control circuit/ for 6-10 kV synchronous motors/ *(Russian)* 2−4063
BWR startups, dissolved O_2 and H_2O_2 concentration control procedures 2−3879
BWR startups, dissolved O_2 and H_2O_2 concentration control procedures 2−7689
concentrated double alkali flue gas desulphurisation process operating experience 2−23120
consideration of heat accumulation in steam lines on optimization of computer control for power unit start-up 2−12475
constant voltage invertor driven induction motor starting current limitation 2−4183
control circuit for type A 3700 automatic cut-out *(Russian)* 2−18403
control technique for gas turbine generating set *(German)* 2−23145
Detroit Edison power plant wastewater treatment systems, startup and operating experiences 2−23135
domestic heat pumps, asynchronous motor driven, starting current measurement and effects on mains power supplies *(German)* 2−4472
domestic refrigerators and deep freezers, employing electronic protection and control circuits *(German)* 2−4481
drives with relay contactor, transients comparative analysis *(Bulgarian)* 2−4387
dry two-stage flue gas desulphurisation system for converted boiler 2−23131
electrical circuit of the ChMe 3 diesel locomotive, Soviet Union *(Russian)* 2−28168
electrical circuitry of TGM4(A) and TGM6A diesel locomotives, Soviet Union *(Russian)* 2−28169
electrical scheme of diesel-electric locomotives TGM4(A) and TGM6A, Soviet Union *(Russian)* 2−28170
fluorescent lamp IC-controlled starter cct., using nonlinear dielectric elements *(Japanese)* 2−13060
fluorescent lamp starters, design and operation *(Russian)* 2−8075
fluorescent lamps, peak/RMS voltage relationship obs. 2−13055
induction motor, single phase, reluctance start, theory 2−4128
induction motor drive, starting transients calc. 2−7855
induction motor rotor slot influence and starting phenomenon model 2−7858
induction motor star-delta switching performance during starting 2−7835
induction motor starting, effect on brushless generators 2−4125
induction motor starting, transient torque establishment and resulting stresses for constant and variable slip *(Italian)* 2−12639
induction motor starting transients calc. 2−7854
induction motor velocity and start control, three-phase rectifier drive performance anal. 2−4187
induction motors starting transients digital simulation 2−4198
kinetic energy accumulator electric machines starting characts. determ. 2−27943
limestone flue gas desulphurisation system startup experiences 2−23119
Lumi Quick fluorescent-lamp starter, Mitsubishi Electric 2−23729
metal iodide lamps, starting characts. *(Russian)* 2−8076
microprocessor-based convertor fed self-control synchronous motor starting scheme 2−18196
miniature motors and motor-generators, manuf., influence of starting torque 2−4248
motor starter fault performance test methods 2−23400
multilayer solid rotor squirrel-cage rotor performance anal. 2−7863
operating experience and start-up and adjusting work on the Kola nuclear power plant (NPP), Soviet Union 2−12359
parameters for large squirrel cage motors, calc. method based on variable impedance model *(Croatian)* 2−27909
performance of ideal current inverter fed linear inductor motors: a theoretical study 2−27946
power plant gas turbo-sets starting reliability *(German)* 2−27762
power station turbines, start-up methods comparison using computer program to determine steam conditions *(German)* 2−17953
PWR station nonradioactive wastewater wastewater treatment design and operation 2−23031
reduced voltage starting using SCRs 2−23303
reliable starter batteries for diesel-driven plant 2−12514
reluctance motor invertor-driven drive, microprocessor control and system response 2−18646
segmented-rotor reluctance motor, synchronisation without pole-slipping, use as positional stepping motor 2−12628
self-starting reluctance motor design 2−23270
single phase motor starting control, relay cct. 2−4320
single phase motors, starting capacitors, operating regimes investigation. 2−4141
solid-state reduced voltage starters for induction motors 2−12636
squirrel cage induction motors, performance versus efficiency 2−12645
squirrel-cage motor current calc. differential equations model 2−7853
star-delta switching performance during the starting of an induction motor 2−7856
starter battery discharge dynamics, equivalent cct. parameters determ., expt. and calc. 2−7982
steam turbine automatic control system characts. 2−27726
steam turbine flow section temp. meas., thermocouples and multipoint potentiometer appl. 2−27729

starting continued
Super-Phenix steam generator model, dynamic stability synthesis studies *(French)* 2−27639
synchronous machines, solid salient pole, asynchronous start-up, electromagnetic thermal and mechanical values calc. *(French)* 2−4050
synchronous motors, dual-excited, round rotor-type, asynchronous starting characts. 2−7817
transistor switching regulator starting and monitoring 2−695
utility energy control centre, installation and start up of an on-line state estimator 2−12154
vertical-axis wind turbine sailwing aerodynamics, wind-tunnel tests 2−18107
voltage changes caused by starting a heat pump, calc. *(German)* 2−28252
Na lamps, built-in starter unit for high pressure types *(Japanese)* 2−8070

startup *see starting*

state assignment
No entries

state estimation
antenna driving systems, state controllers and observers 2−16537
asymptotically unbiased trace filter with constant parameters *(Chinese)* 2−13328
convergence of adaptive filtering with decreasing step-size in the presence of correlated observations *(French)* 2−21331
distribution network static state estimation system for monitoring and control *(French)* 2−27466
efficient parallel processing method for power system state estimation 2−12148
electric drive control, state trajectory determ. *(Czech)* 2−8023
electric power system state-estimation accuracy, judging function appl. 2−22827
electric power system static-state estimation *(Slovenian)* 2−12141
electric power systems, dynamic model for state and parameter estimation 2−7514
estimation of states and parameters in continuous nonlinear systems with discrete observations 2−13761
fast identification of bad data in power system tracking state estimation 2−3683
flexibile spacecraft, altitude estimation and control using inertial and optical measurements 2−7361
insulated cable production, process control synthesis *(Czech)* 2−14324
large-scale system, using decentralised sequential observer with iterative prediction *(Japanese)* 2−17625
linear dynamic system state vector meas. using Kalman-Bucy filter *(Russian)* 2−3021
load demand prediction, two stage adaptive estimator 2−22865
nonstationary measurement noise identification in linear systems 2−21336
nonstationary time series model, fitting by recursive filter 2−13464
nuclear fuel reprocessing facilities, online computer system for continuous criticality 2−7692
nuclear reactor online computer control using optimal control and state estimation methods 2−7691
on-line observability determination for power system monitoring 2−7508
passive nodes treatment in state estimation *(German)* 2−7523
passive sonar signal processing estimation techniques 2−26555
power system, dynamic security assessment, state estimator 2−12155
power system, real-time state estimation algorithm 2−7509
power system, two-level state estimation for anomalous data anal. 2−7510
power system emergency control, multiprocessor static state estimation 2−27448
power system monitoring activities, topology, observability and state estimation 2−3717
power system state estimation: practical considerations 2−22826
power system state estimation, detection and identification of multiple bad data 2−27394
power system tracking state estimation and bad data processing 2−27386
PWR pressuriser instrumentation, bias identification, using generalised likelihood ratio technique 2−12407
real-time state estimation for large power systems using multicomputer systems 2−27342
satellite identification and control, using partitioning methods 2−27243
sensors, model mismatch effects on future detection 2−13325
single power line outages, topological error determ. 2−12214
space vehicles, pointing system modeling for performance prediction 2−17470
state estimation, weighting coefficients selection *(Russian)* 2−27444
stochastic systems, discrete minimal-order optimal estimator, simple derivation 2−15878
utility energy control centre, installation and start up of an on-line state estimator 2−12154

state of the art studies *see reviews*

state-space methods
active filter design and anal., state-space approach 2−5281
active second-order bandpass filter, low-noise state-space realisation 2−24592
bifurcation sets in nonlinear ccts., global props. 2−19520
C*-algebras, subcentrality of restrictions of boundary measures on state spaces 2−8611
Cauer II type passive RC ladder multiport, matrix transfer function realisation via state-space approach 2−674
chopper supply of motors with Steinmetz connection *(Hungarian)* 2−18161
DC motor chopper quasi-steady state anal. 2−18636
gravity disturbance gradients models, Kalman filters design 2−6426
identification of stochastic linear systems in presence of input noise 2−10681
interconnected power system control using two-level methods 2−22843
isotone optimal policies for structured Markov decision processes 2−8445
large interconnected power system, local feedback stabilisation 2−12128
Legendre series solutions for linear systems, state-space approach 2−19093
linear resistive n-port network, hybrid matrix eqns. formulation 2−24364
lumped parameter linear dynamic systems state-space description formulation algorithm *(Czech)* 2−24371
lumped/distributed networks, state-space anal. in time and freq. domains 2−13916
mathematical model for the asymptotic motion of complex energy-supply systems 2−22850
multimachine networks, subsynchronous reson., transient characts. modelling *(French)* 2−7472

state-space methods continued
performance analysis of a DC drive electromechanical system with elastic coupling and pulsating load torque 2−23664
power system with reheat steam turbines and governor deadband nonlinearity, load-frequency control parameter optimisation 2−22844
road vehicle rough ground nonstationary response 2−13004
state-space modeling of transmission line dynamics via nonlinear optimization 2−22935
static power convertors, steady-state anal. 2−18355
switched-capacitor networks synthesis using state model *(Slovak)* 2−24381
turbogenerator, laboratory model, indirect identification and control 2−7811
underwater acoustic electro-ceramic projector radiated pressure control by state variable feedback 2−27316

static (atmospherics) *see atmospherics*

static electricity *see electrostatics*

static electrification
see also triboelectricity
anti-static thermal blankets 2−21018
bootstrap charging of checkerboard array of two materials 2−21017
charge storage and transport in dielectrics, corona method 2−5830
charged spacecraft dielectrics, internal breakdown 2−22582
electronic data processing equipment, interference and prevention methods *(French)* 2−15736
electrostatic discharge failures, cause and prevention 2−15605
electrostatic discharge protection, review of factory control and relevance to IC manufacture 2−8299
Kapton, irradiated dielectrics, material parameters effect on charging characts. 2−20432
MOS, procedure for testing electrostatic discharge susceptibility 2−15031
perfluoroalcoxy film, nonmetallized electret, charge storage 2−20452
polymer films, two-dimensional electron beam charging model 2−21015
protection against electrostatic electrification, Standard TGL 35731, in Germany *(German)* 2−2075
protection methods for houses and nonindustrial buildings *(Polish)* 2−6297
residential buildings, estimation criteria *(Polish)* 2−6296
satellite model testing in combined environmental simulator 2−22610
semiconductor device protection against electrostatic discharges 2−14815
semiconductor devices, electrostatic discharge failures, models and recommendations 2−14821
spacecraft charging induced discharges, voltage gradients in solar array cavities as breakdown sites 2−23425
spacecraft charging tests using multiple electron guns, NASCAP simulation 2−22611
spacecraft electrostatic charging problems and countermeasures 2−3530
Teflon, dielectric charging, straggling and soft X-ray irradiation effects 2−21016
Teflon, irradiated dielectrics, material parameters effect on charging characts. 2−20432
thin-layer interdigital transducers, static capacitance, charge and potential distrib. *(French)* 2−25416
transformers with pressboard-transformer oil insulation system using forced oil flow 2−7907
In_2O_3 coated mirrors to eliminate spacecraft surface charging 2−20709
SiO_2, fused, irradiated dielectrics, material parameters effect on charging characts. 2−20432

stations, power *see power stations*

stations, radar *see radar stations*

stations, radio *see radio stations*

stations, telegraph *see telegraph stations*

stations, television *see television stations*

statistical analysis
see also demography; measurement errors; probability; random processes
absorption distribution and the q-binomial theorem 2−8496
AC railway operating thyristor-controlled traction units, meas. and statistical anal. of interference 2−13032
accelerated failure time model, nonparametric anal. 2−8470
alternative estimator in inverse linear regression 2−19133
alternative regressions, investigation 2−287
analysis of steady state of electric power network with random network parameters 2−12217
analysis of variance with unequal variances 2−8280
angle digitizers accuracy, for polymodal instrumental error distribution functions 2−16760
annuity function derivatives assuming Makeham-Gompertz mortality, N-ages method 2−4801
APL program 2−19123
ARMA (P,Q) covariance determinants for various sample sizes, numerical behaviour 2−8517
asymptotic behaviour of the likelihood ratio test under presence of deviations of the model 2−13479
ATE systems statistical evaluation 2−22127
atmospheric RF interference models applicability evaluation 2−6346
autoregressive processes, simple correlated processes, model checking 2−13493
Bayes estimators of mean life, preposterior anal. 2−8472
bilinear time series model, first-order 2−8529
binary response data, two families of transformations to additivity 2−8467
binomial distrib., shrinkage estimators 2−234
binomial proportions conditional sequential test 2−4719
biomedical data, statistical variability, serial correlation on power estimates and on comparative testing of samples influence 2−274
biomedical variables, statistical properties 2−17342
bivariate cumulative probabilities evaluation using moments to fourth order 2−19127
bivariate survival model based on exponential distribs., Bayes estimation 2−258
bounded growth population subjected to emigrations due to population pressure 2−8525
Bourret approx. in stochastic integral eqns., possible incorrect results 2−286
brannching processes, Fibonacci or lagged Bienayme-Galton-Watson proceses 2−8526
censored randomized block designs, rank tests 2−8476
certainty indices computation *(Russian)* 2−262
change-point using ranks, posterior probabilities 2−8478

statistical analysis continued
chi-square test of goodness of fit, Mineo's grouping method 2−13498
chi-squared variables, mixture approx. to weighted sum distrib. 2−19129
clinical trials, asymptotic relative efficiency of survival tests with covariates 2−13452
clinical trials, exponential, two-armed, sequential estimation 2−8473
clinical trials, sequential comparison of two exponential distributions with censored survival data 2−13449
closed epidemic, Brownian motion and a sharply curved boundary 2−24094
coherent fluctuating signals, buried in nonstationary interference, multichannel sequential detect., students statistics appl. 2−15918
colour TV reliability test data anal. using Weibull method 2−142
common location estimation 2−4783
competing risks and independent minima: a marked point process approach 2−24091
computer appl. in math. statistics *(Croatian)* 2−19141
computer models, sensitivity analysis, statistical approach 2−19134
confidence interval estimation using the folded logarithmic transformation/ 2−233
confidence intervals for the slope of a linear functional relationship 2−4797
confidence intervals on a ratio of variances in the two-factor nested components of variance model 2−254
confidence sets based on sequential tests 2−8509
construction of orthogonal F-squares of order n from orthogonal array (n,k,s,2) and an OL(s,t) set 2−13475
contemporal time series aggregates forecasting 2−247
contingency tables with ordered categories, association models and bivariate normal 2−8466
correctness of the problem of statistical point estimation 2−24121
correlated random walk/ 2−265
covariance anal. distribution free method 2−4723
covariance of two type II counters 2−8544
covariance operators, minimax property of optimal equivariant estimates 2−285
cross-correlation functions meas. of stochastic processes, statistical errors 2−3026
crossing probabilities for a square root boundary by a Bessel process 2−8512
cumulative distribution functions, not strictly monotonic, adaptive algorithms for piecewise linear approx. *(Russian)* 2−455
curtailed tests, sample size 2−8511
data switching queueing model 2−21560
data transformation and self-exciting threshold autoregression 2−24083
dielectric breakdown, statistical analysis 2−15045
digital microwave radio links, evaluation of impairment due to multipath fading, statistical 2−6759
discrete distribs., unimodality 2−4785
discrete order statistics, probability of ties and Markov property 2−13476
discriminant anal., optimal near neighbour estimator 2−4778
disease, differential diagnosis, latent variable models for statistical diagnosis 2−8468
distribution family obtained by gamma distrib. transformation 2−19128
distribution free tests for comparing trends in Poisson series 2−8574
distribution networks switching surges experimental research strategy *(Russian)* 2−27469
double quadratic distrib. location, best linear unbiased estimators based on order statistics 2−19130
dynamic behaviour estimation using statistico-probability method 2−27328
dynamic characts. of conveyor belt drives comprising AC or DC motors, calc. *(Russian)* 2−23684
earthquake/explosion data, pattern recognition of waveforms using autoregressive modeling 2−4825
Eastern Europe district heating current status *(Hungarian)* 2−17926
ECG serial comparison using statistical signal analysis 2−3502
economics multivariate sampling optimum stratification 2−4724
effect of partial outage representation on the statistical properties of loss-of-load probability estimates 2−12150
electricity demand sensitivity to variations in meteorological conditions, anal., by Electricite de France *(French)* 2−22798
EM waves in randomly inhomogeneous annular systems 2−2122
empirical Bayes estimation of a distribution function with a gamma process prior 2−253
empirical statistical spectral analysis procedures 2−26144
epidemiology, Lagrangian distribs. appls. in queueing theory 2−191
exponential families mixtures, conditional max. likelihood estimators efficiency and confidence limits 2−4772
exponential upper outliers null distribution 2−4722
failure rates equality, distrib.-free test 2−8475
familial data anal., linear-model approach 2−8480
finite families of hypotheses, simultaneous tests 2−242
fragmentary samples, location difference estimation 2−4768
frequency meter results analysis, using simple attachment 2−7139
frequency X^2 test, asymptotic power and relative efficiency 2−13478
gamma distrib. parameter estimation, maximal invariant appl. 2−238
Gauss Markov model robustness covariance matrix 2−8501
Gaussian processes, nonstationary complex processes, strong approximation 2−264
geosciences, directional statistics 2−8488
goodness of fit of time series models, higher order crossings appl. 2−4776
goodness-of-fit tests, two location and scale-free tests 2−13445
Gram-Schmidt process, modified vs. classical 2−8522
growth curves in two-period change over models 2−24081
Hastings' approximation alternatives 2−24086
hospital data, Koziol-Green model for random censorship 2−8471
IC manufacture, random behaviour of fabrication process, statistical characterization 2−1051
identifiability of finite mixtures of distributions 2−13471
incomplete gamma function evaluation algorithm and first two partial derivatives w.r.t. parameter 2−8518
independent-samples t-test and paired-samples t-test, comparison 2−4810
informational divergence and the dissimilarity of probability distributions 2−24101
International Patent Classification, IPC, statistical anal. as revision aid 2−229
interval estimation of mean or median of distrib., sample size determ. 2−19126
intervention anal. in time series models, alternative approach 2−19149
intraclass rank tests for independence 2−8479

statistical analysis continued
intracranial pressure recording, microprocessor based analyser 2−27124
invariance principle for progressively truncated likelihood ratio statistics 2−8560
invariant tests power for linear hypotheses under spherical symmetry 2−13495
Kalman filter model, mean and covariance, estimation and tests of hypotheses 2−4789
Lagrangian probability distribs., relation to modified power series distribs. 2−8504
least absolute value regression problem, new descent algorithm 2−8519
light duty contacts, contact resistance evaluation using statistical analysis 2−984
linear equation fitting to sets of experimental data 2−4926
linear models with partially known covariances comparison w.r.t. unbiased estimation 2−13497
linear multiple regression techniques for ordered attributes 2−270
linear pure death process, initial size estimation 2−4775
linear regression models with weak and fuzzy prior knowledge, parameter estimation 2−13482
linear sensitivity measures in statistical disclosure control 2−4812
location and scale parameters, minimum mean squared estimation under model misspecification 2−4771
low order autoregressive time series, replicated observations 2−13461
LV plants of the German Post, determ. of spare part requirements *(German)* 2−28047
magnetic induction meter, performance evaluation *(Russian)* 2−22306
magnetic recording on discs and tapes, anal. by Preisach's method *(Russian)* 2−9857
marked populations survival estimation with possibly dependent sighting probabilities 2−4774
Markovian renewal process, dynamically optimised replacement 2−8530
matched proportions, Bayesian tests 2−8495
mathematical-statistical representation of the start-up reliability and start-up costs of conventional power station plant. *(German)* 2−22968
maximum likelihood estimation and grouping correction 2−8554
maximum likelihood method for piecewise regression models with a continuous dependent variable 2−4720
mean estimation of selected population with unknown variance 2−8493
mean values, appl. to meas. techniques *(German)* 2−26695
means, improved estimation, use of regression functions 2−13450
measurement data, statistical analysis 2−16768
measurement device design for means and variances of random signals 2−26108
measuring the performance of inspection and sorting systems 2−24009
median survival time estimation 2−13442
medicine, categorical variable selection based on entropy reduction 2−4795
mixed linear models, unbiasedness of two-stage estimation and prediction procedures 2−241
mixed rank statistics and induced order statistics, invariance principles 2−4793
moments of a ratio of two positive quadratic forms in normal variables 2−8521
moving average model, first-order, small-sample properties of maximum likelihood estimator 2−13451
moving weighted average smoothing extended to the extremities of the data, stability and optimal properties 2−19096
multidimensional asymptotic distribution of the periodogram of stationary Gaussian sequences *(German)* 2−13487
multidimensional scaling, robustness studies, Euclidean models and simulation studies 2−19132
multimodel distribs. 2−4799
multiple regression analysis, solutions based on Crout's matrix using desk calculators *(German)* 2−8696
multiple statistical decision theory, book 2−4749
multivariate anal., normalising transformations 2−13446
multivariate ARMA models, necessary and sufficient conditions for causality testing 2−13463
multivariate autoregressive-moving average models, predictions 2−4770
multivariate distribs., positive dependence 2−249
multivariate failure time data, regression anal. 2−8469
multivariate new better than used distribs., stochastic ordering 2−4791
multivariate nonstationary signal analysis 2−13400
multivariate normal distribs. with special correlation structures, representations 2−244
multivariate randomised response designs for categorical data, anal. 2−4813
multivariate solution of the multivariate ranking and selection problem 2−8492
myocardial infarction, acute, short-term prognosis using stepwise probit discrimination 2−4779
n-ary designs, recovery of intra- and interblock information 2−4798
NDT, inspection of multiparameter meas. problems, statistical approach 2−13892
nearly balanced incomplete block designs 2−4854
nested designs, survey 2−4814
noniterative estimators, general, of common relative risk, asymptotic efficiency 2−4773
nonlinear time series model 2−19148
nonnormality, robustness of recursive outlier detection procedures 2−246
nonparametric bivariate estimation with randomly censored data 2−8474
nonstationary time series model, fitting by recursive filter 2−13464
nuclear power plants, fire occurrence rates 2−12356
nuclear power station electricity generation statistics for 1980 in the EEC 2−27612
on sequential occupancy/ problems 2−266
on the distribution of a new measure of heaviness of tails 2−8499
on the distribution of r in samples from the mixtures of bivariate normal populations 2−8498
operating characteristics for statistical tests *(German)* 2−8562
optical PPM pulse sequence, statistical estimation of time of arrival 2−16480
optical receiver, statistical model *(Rumanian)* 2−16988
optimal parameter estimates in regression models with special covariance structure and their use in two-factor experiments 2−19269
optimum distribution of energy stores in communication systems with multiplexed signals 2−10613
outliers number, estimation procedures 2−235
Page's two-sided cumulative sum procedure 2−13456

statistical analysis continued
peak power power stations using RD-3M aircraft engines *(Slovak)* 2−27668
petroleum exploration, statistical techniques 2−8486
physiological variations, estimation of subject-specific normal ranges based on statistical models 2−273
plant safety and the state of the sea *(French)* 2−23180
point processes limit theorems, generated in general branching process 2−24090
Poisson index of dispersion 2−8523
Poisson-inverse Gaussian distrib., computation 2−256
populations, problem of selecting good populations 2−236
power cables, polyethylene insulated, statistical reliability testing *(Czech)* 2−3751
power system outage data analysis, statistical methods 2−27417
power systems EM transients regression anal. *(Russian)* 2−22779
power transformation family, prediction 2−13443
prediction limits for the last failure time of a (log)normal sample from early failures 2−19043
preventive maintenance optimisation, parametric models for small samples 2−13246
prior test in presence of multicollinearity, optimal significance tests 2−257
probabilistic power flow anal. *(German)* 2−3665
procedure for pooling data by the analysis of means 2−8281
pulse measuring system, self-diagnosis technique 2−27083
pulse measuring systems, self-diagnosis method 2−27084
PWR pressuriser instrumentation, bias identification, using generalised likelihood ratio technique 2−12407
quality assurance, appl. *(German)* 2−24008
quality assurance, mathematics fundamentals *(German)* 2−13301
quality assurance, principal components and factor analysis 2−8283
quantile estimation of exponential and double exponential distribution 2−8497
queues with paired customers 2−8436
radiowave propagation, rain fade duration statistics, anal. of presentation 2−21109
rain attenuation, long-term statistics analysis 2−25946
rain depolarization, short-term statistical vars. analysis 2−25945
rain depolarization and attenuation, joint statistics analysis 2−25944
random convex hulls, computer generation 2−13468
random lines, distrib. 2−8528
random sequence scale shift detection 2−24088
random-time pulse generation having Poisson distribution *(Japanese)* 2−14023
randomised treatments comparison, alternative to analysis of covariance 2−8502
rank transform gernalisation in two-sample location problem 2−259
rank transform in the two-sample location problem 2−4803
regression estimates, k-NN, local properties 2−8465
regression model, point of charge 2−24087
regression model with autocorrelated errors, parameter changes 2−4796
regression models, procedure for selecting models 2−250
regression models selection by information criteria 2−24114
regression models with grouped data, approx. tests of hypotheses 2−4800
regression-based orderings and measures of stochastic dependence 2−13483
regular hypersimplex and concentrix hypersphere, common content 2−4784
reliability data estimates, comparisons and appls. 2−143
reliability engineering, general principles 2−131
remote sensing, statistical scale-up estimators for surveys where detect. and classification errors exist 2−12064
research management, statistical testing of hypothesis 2−13209
resistant techniques 2−4767
RFI, pulse-modulated, smooth, probability-amplitude distribution model 2−15734
RFI from SW transmitters, correlation characts. of random interference acting in decimetre band region 2−15738
ridge regression from principal component point of view 2−8500
risk and reliability calcs., pitfalls 2−13308
robust estimation of Stigler's data sets by cross validation 2−4725
robust estimators of location variances estimation, influence curve, jackknife, bootstrap 2−260
robust test, bounds of asymptotic rate of convergence of error probabilities 2−437
robust test for means when population variances are unequal 2−8506
Sampford's sampling procedure vs. unequal probability sampling with replacement comparison 2−13458
sample size determ. methods comparison in two group trial where underlying disease is rare 2−8516
sample sizes, small and moderate, behaviour of estimated measures of association 2−4792
sample variance, optimality 2−243
sampling procedure with inclusion probabilities proportional to size 2−13460
sampling the 2-D Radon transform 2−6433
searches, statistical study of references cited 2−228
seismic data sets, principal components anal. appl. 2−303
seismic event depth estimation, multidimensional approach 2−304
seismic spectral data multivariate anal. for rock mass characterisation in opencast mining 2−4824
semiconductor traction substations, mining distribution network overloads, operational effects *(Russian)* 2−27476
sequential confidence intervals convergence rates, U-statistic mean tests 2−8514
sequential point estimation of the means of U-statistics in finite population sampling 2−8513
shewhart $\bar{X}$-charts with estimated process variance 2−8491
signal processing, based on common unit (quantum) *(French)* 2−26121
significance, preliminary tests, approx. of power of test procedure 2−245
significance tests, repeated, based on likelihood ratio statistics 2−8510
simplified factors for analysis of means when the standard deviation is estimated from the range 2−24055
single sampling attributes plans indexed by AQL and AOQL 2−24011
smoothing histograms by means of lattice-and continuous distributions 2−8559
Sobel-Wald test, asymptotic efficiency 2−13474
spatial infection models, waveforms and velocities 2−8533
stereology, statistical techniques 2−8485
stochastic hydrology, wet statistics for dry statisticians 2−8487

statistical analysis continued
stochastically monotone sequences of random variables, convergence and appls. 2−8527
storage model with moment assumptions, generalised 2−268
survival function, max. likelihood estimation based on censored data under hazard rate assumptions 2−255
survival studies with tied death times, likelihood calculations for matched case-control studies 2−13453
synthetic aperture radar images, speckle anal. and smoothing 2−2814
Taylor's power law for dependence of variance on mean in animal populations 2−24085
tests of discordancy for samples from Fisher's distribution on the sphere 2−24082
thyristors, power, distrib. of dynamic parameters *(Russian)* 2−20244
time series, Markov property testing 2−19151
tissue signature identification anal. of nuclear medicine images, texture anal. of uniform fields 2−11916
tolerance regions 2−13488
traffic-light problem, fixed-cycle, anal. 2−8435
transfer function models, noise correlations estimation 2−4802
transitional data with amplitude probability density distribution, meas. and control method 2−22209
transmission line switching surges, statistical distribution of the phase-phase ratio alpha 2−12268
treatment populations selection with means larger than control population 2−8503
tumor growth, two-dimensional invasion process, nonasymptotic behaviour 2−8536
two-armed bandit problem, odds ratio estimation 2−13448
two-lift problem, repair-time distribs. 2−8532
two-point double variables sampling plans 2−114
two-point estimates in probabilities 2−13435
two-way anal. of variance with correlated errors in one classification, maximum likelihood estimation 2−13447
unbiased product estimators 2−8561
unequal probability sampling, simple procedure 2−13459
uniformly minimum variance unbiased estimation/ in lognormal and related distributions/ 2−240
univariate distribs., location, scale, skewness, kurtosis 2−13494
variables model, simple errors, maximum likelihood estimator and confidence intervals 2−232
variance estimation of normal population 2−8494
von Mises-Fisher concentration parameters, maximum likelihood estimators bias 2−8520
Watson's U_N^2 statistic for a discrete distribution 2−13454
Watson statistics, symmetry tests 2−239
wave beam propagation in randomly inhomogeneous med., statistical sampling method 2−25966
Weibull accelerated life tests when there are competing causes of failure 2−8507
Weibull location estimation 2−19131
weighted mean problem, Fisher's solution 2−252
Welch's ν statistic, program for HP 29/19C 2−4782
Wilcoxon-Mann-Whitney statistics, progressively truncated versions, estimation of P{X>Y} 2−231
within-sample dependence effect on Mann-Whitney-Wilcoxon statistic 2−8477
zero point triserial correlation coefficient tests, homogeneity of means with ordered alternatives tests relationship 2−4786
Li-Al/FeS cell performance prediction equations, development by multiple regression analysis 2−12782
Si quality statistical estimation, specific resistivity inhomogeneity determ. 2−25120

statistical distributions *see statistical analysis; statistics*

statistical methods *see statistical analysis*

statistical tests *see statistical analysis*

statistical theory *see statistical analysis*

statistics
see also error statistics; game theory; Monte Carlo methods; probability; queueing theory; time series
analysis of variance teaching hints 2−24117
asymmetric matrix, sampling distribs. of Kruskal's stress measure 2−4804
asymptotic time to failure of a bundle of fibers with random slacks 2−4761
Banach spaces, refinement of proximity estimates for two distributed sums of random variables 2−24182
clinical laboratory data, interpretation of normal ranges based on new concept of individual difference quotient 2−271
clone age determ. from geographical distrib. characteristics 2−8535
contracting mappings on statistical metric spaces, common fixed and periodic points 2−19185
counterfeit coin problem, improved strategy 2−19125
covariance anal., FORTRAN program 2−19122
Cramer-von Mises norm parameter estimation, minimum 2−248
discrete distributions identification 2−24115
discrete random variables on nominal scale, degree of dependence meas. 2−8505
distribution optimum stratification points 2−13489
dynamic display system using dedicated hardware for ordinate distribs. 2−16853
efficient generation of logarithmically distributed pseudo-random variables 2−24084
electrical accidents in France *(French)* 2−23965
examination component weighting 2−24116
extremal problems in statistics 2−284
extreme order statistics, uniform approximation to distributions 2−4760
fractional factorials, 2^{n-p}, of resolution III 2−8508
fuzzy for safety system modelling 2−4630
Hilbertian and Neyman-Pearson tests *(French)* 2−13438
history of probability and statistics, studies, Buffon's cycloid 2−13455
ladder epochs distrib., inequalities 2−8543
laser altimeters, statistical charact. of received signal rel. to target signatures 2−27260
linear regression models, equivalence problem, blue of mean value 2−4753
linear regression models, equivalence problem, covariance matrix scalar factor, unbiased estimation 2−4754
medical questioning, sequential diagnostic model 2−272
minimum distance estimation 2−251
mining geostatistics practice (1980) 2−8489
modelling of ion-beam etching process of thin films 2−20214
multimodal optimisation theory, axiomatic approach to statistical models and their use 2−19261
normal distrib., reliability estimates 2−4755
normal statistical distribution algorithm 2−8484
normality test based on empirical characteristic function 2−24113
on multitype branching processes in a random environment 2−4758
on strong mixing and Leadbetter's D condition 2−8542
operator-stable laws 2−8552
Poisson means simultaneous estimation 2−8550
population extinction model 2−226
prediction and control, statistical information processing system 2−288
probabilistic approach for power system/ dynamic stability studies/ 2−3693
quality assurance and applied statistics standardisation *(German)* 2−19028
rainfall rate statistics, influence of integration time and height of rain-gauge 2−24100
randomisation distribution sampling 2−24118
rank test statistics, locally most powerful, asymptotic non-normal null distrib. 2−237
recursive algorithm for a kind of statistic *(Chinese)* 2−19120
regression models with linear covariance structure, asymptotic theory 2−281
reliability theory, multivariate classes of life distributions 2−135
reliability theory, negative exponential distrib. characterisation 2−8531
seismology, statistics appls. 2−8490
sex anal. in random environments 2−4757
Shannon entropy, symmetry 2−4808
simple test for normality 2−187
superdiagonal model *(French)* 2−13439
thermal power plants, statistical identification and optimal control 2−27722
U-statistics, asymptotic properties 2−13496
uniform statistical distribution algorithm 2−8482
velocity measurement using laser speckle statistics 2−17133
Wilcoxon-Mann-Whitney statistic for group ordererd data, variance estimate 2−4794
Wishart distribution expected value operators eigenfunctions 2−8551

stators
1 HP ferrite hysteresis motor with 1-phase and 2-phase excitation, performance evaluation 2−18286
AC generator stator winding mechanical stress determination through model tests *(French)* 2−18169
asynchronous machine drive with short circuited stator, braking modes investigation 2−18640
asynchronous motor stator winding temp. rise determ. *(German)* 2−27908
asynchronous motors, speed control by varying its stator voltage *(Spanish)* 2−18238
coil manufacture, cost effective approach 2−23956
core making techniques for enhanced motor efficiency 2−18147
dynamic axial generator acoustic efficiency rel. to rotor and stator hole shape 2−7458
electrodynamic forces in frontal parts of stator windings under fault conditions *(Russian)* 2−23296
electromagnetic and thermal processes in a turbogenerator stator core with shorting of active steel laminations 2−4033
HV induction motor stator windings heating calc. 2−4214
hydrogenerators, TWINTONE bar/slot interface, maximisation of benefits of modern HV stator ground insulation 2−23264
idealised induction machine, mathematical model *(Croatian)* 2−12640
induction motor, immersible, influence of liquid dielectric on stator vibration, anal. 2−18240
induction motor, shaded poles, stator mag. flux, vector diagram 2−4136
induction motor, stator winding star connection *(Polish)* 2−18231
induction motor with uniformly arranged stator winding for optimum active space utilisation *(Polish)* 2−27929
induction motors, polyphase and single-phase, calc. using finite element anal. 2−18251
invertor induction motor drive, stator voltage controlled current source, linearised model 2−18658
invertor-fed induction motor drive, control charact. 2−18655
linear synchronous motor, with iron poles EMF in stator *(Russian)* 2−18276
linear synchronous motor, without exciters, EM field of stator coil with massive conductors, anal. *(Russian)* 2−7872
magnetic shunts in two-pole motors with shaded poles 2−18239
nonstationary thermal process in stator groove of elec. machine, differential eqns. and algorithm *(Russian)* 2−12578
optimal winding design of a permanent magnet motor for self-controlled inverter operation 2−7821
rewinding of rotating apparatus, effect of stripping procedures on stator cores, test methods 2−23245
shaded-pole motor, new stator for improved automatic winding and copper saving 2−12651
squirrel-cage motor, frequency controlled, design calc. *(Russian)* 2−4144
synchronous generator windings performance calc. 2−4097
synchronous machine, salient pole, electromotive force in additional stator winding, calc. 2−18190
synchronous machine with three phase stator windings, transient anal. *(Russian)* 2−4058
synchronous machines, iron losses calc. *(Czech)* 2−27886
testing by thermal probe, information meas. provisions 2−16983
tooth geometry influence on development of noise-generating magnetic force waves 2−4032
turbine-generator, steady state operation, finite element anal. 2−18167
turbogenerator operating charact., measurement in test department 2−27860
waterwheel generators, stator insulation systems, monitoring 2−23265

steam boilers *see boilers*

steam generators *see boilers*

steam plants
see also boilers; condensers (steam plant)
acoustic emission monitoring of fossil fuel power plants, critical assessment 2−18003
boiler digital control systems for improving fuel efficiency 2−12467
boiler supply water EM filtering *(Rumanian)* 2−12461
chemical tankers, design and construction 2−23690
coal firing for steam raising, large industrial site, case study 2−12463
control valve and actuator appls. and process charact. 2−12469

steam plants continued
deaerator storage tank instabilities, anal. 2−17972
fly ash hopper evacuation system design and operation 2−18009
generator and allied equipment availability improvement 2−18010
generator availability improvements by draft-fan failures reduction 2−23103
marine plant, steam-to-steam propulsion conversions for improved fuel economy 2−23691
MHD generator with steam bottoming plant 2−18610
MHD/steam power plant, promise, progress and problems 2−23100
microprocessor-controlled nuclear steam supply system simulator for evaluation and training 2−17914
Mitchells and Butlers Ltd., steam power generation and utilisation developments 2−28308
NASA/Hampton refuse fired steam generating plant 2−18027
natural-circulation steam generator performance and design 2−18011
nuclear power station steam plants, radioactive deposits formation processes and removal methods *(Russian)* 2−17857
power station condensate electromagnetic filter, proving tests 2−17987
Princeton Energy Recycling Centre, equipment for waste treatment and electric energy generation 2−12489
return steam flow from feedheater to turbine in case of sticking non return valve, dynamics *(Russian)* 2−17989
solid waste fuel and coal combinations, combustion processes and effects 2−23001
solid waste-to-energy plants for small communities, economic anal. 2−12490

steam power stations
1.2 GW coal-fired power plant design for daily cycling 2−18007
72 MW coal-fired unit, totally enclosed plant with central control room 2−3922
100 MW coal gasification combined cycle power plant design and projected performance 2−12502
100 MW integrated coal gasification combined cycle power plant, USA 2−3975
110 MW, steam boiler with slag-tap furnace for burning brown coral 2−23110
165 MW, boilers burning Turkish lignite design and operation characts. 2−23109
195 MW coal-fired units, art of protection ductwork and chimney liners with coating systems 2−3925
200 MW, coal fired, bus-oriented process control system application *(German)* 2−27708
260 MWe combined cycle power plants burning low grade fuels, hot component corrosion metallographic evaluation 2−27757
260 MWe combined cycle power plants burning low-grade fuels, economic comparisons 2−27756
300 MW exhaust-fired fluidised-bed combined cycle for power generation, feasibility study 2−27742
300 MW units operation under overload conditions, investigation 2−12482
400 MW gas-fired combined cycle units at Gersteinwerk power station start-up procedure optimisation using simulation method *(German)* 2−17957
400 MW single reheat coal-fired units, wastewater treatment system design 2−3920
500 MW, coal-fired, automation and control equipment for the Meirama power plant in Spain 2−7713
500 MW, two-stage venturi/absorber air quality control system 2−3919
500 MW generating station with inexpensive coal blending system 2−3924
500 MW generating units, coal handling flexibility 2−3926
600 MW, general design including fuel and cooling water supply *(German)* 2−27685
800 MW gas-oil monoblocks, load range adjustment 2−12481
1710 MW coal-fired station, high speed coal handling system 2−3923
2100 MW generating plant cooling pond 2−3921
2400 MW coal-fired thermal power plant under construction, features 2−17981
acoustic emission monitoring of fossil fuel power plants, critical assessment 2−18003
adaptive multivariable, control of boiler 2−3936
adaptive nonlinear compensators for power plant control 2−3937
ash analysis using fast sedimentation method for dispersion anal. *(Czech)* 2−17961
atmospheric fluidised-bed combustion plant development, commercialisation strategies 2−27759
auxiliary power system for a 500 to 600 MW coal power plant, design methods 2−12194
Bicske, combined heat/power generation, anal. of which turbines to use *(Hungarian)* 2−23088
binary cooling tower process demonstration, test methods and results 2−27748
biocide usage and ash-handling practices at steam power stations in USA, POWER database facility 2−27745
bituminous coal fired power stations support by Federal German Government for environmental protection *(German)* 2−17955
Brayton-Rankine combined cycle 2−7738
capital and operating costs estimation for central nuclear and coal-fired plants 2−3703
central station boiler feed pumps, buyer's specifications 2−3933
coal fired power plant, optimum size selection using computer modelling system 2−7717
coal gasification, entrained flow, mathematical modelling 2−12503
coal gasification combined cycle power generation hot fuel gas desulphurisation process development *(Japanese)* 2−27713
coal gasification systems integrated with power plants, thermal perf. and water use 2−18004
coal handling plant design for large power stations *(German)* 2−3898
coal preparation plants in USA, instrumentation and automation systems status review 2−27749
coal quality upgrading for effective utilisation in steam generating plants 2−7596
coal-fired, fuel supply regulation *(French)* 2−3914
coal-fired, systems and equipment with good ecological charact. 2−17998
coal-fired and nuclear power plants, cost effectiveness 2−27348
coal-fired combined heat and power unit for district heating in London borough of Southwark 2−7712
coal-fired plant with fabric filters for optimum air quality control 2−3931
coal-fired plants, in-house project management 2−27717
coal-fired power plant wastewater reuse requirements and guidelines 2−23137
coal-fired power plants in USA, fifteen capital cost estimates 2−27752
coal-fired power stations, firing control by static frequency convertors 2−7715
coal-fired power stations in USSR, increasing use in light of Soviet anti-pollution legislation 2−17991
coal-fired steam generator and turbine unit cycling operation 2−18006
coal/oil fired 4×350 MW units, design, contracting and construction of the Castle Peak 'A' power station 2−7725
cogeneration plants in Saudi Arabia for electric power and desalinated water 2−4561
cogeneration potential for enhanced oil recovery in USA 2−23115
combined cycle and combustion turbine field problems, EPRI investigation 2−27760
combined cycle plant automation 2−7747
combined cycle power plant, optimisation for energy balance and plant efficiency, modular calc. method *(German)* 2−17956
combined cycle power plants, future trends 2−17970
combined cycle repowering, practical approach to power generation 2−17971
combined electricity and heat generating station of Brescia, Italy *(Italian)* 2−23083
combined electricity and heat generating stations with standard modules, design and layouts *(German)* 2−3906
combined generation of heat and power for district heating systems, fuel savings *(German)* 2−12464
combined heat and power generation for industry, boiler systems *(German)* 2−17958
combined heat and power supply planning and cost estimation *(German)* 2−27706
combined heat/electricity generation, bilinear control systems mathematical models of stability 2−23108
commissioning and problems arising *(German)* 2−27688
condensate electromagnetic filter, proving tests 2−17987
condensate pump drives with constant speed induction motor, cost effectiveness 2−12973
condensate treatment, optimizing deep-bed performance 2−17978
condensers, cc Cu alloy tube appls. 2−3913
consideration of heat accumulation in steam lines on optimization of computer control for power unit start-up 2−12475
construction planning and installation work, Sharjah power station *(German)* 2−12454
control system synthesis, set theoretic control approach 2−18005
conversion of drum boilers to hot reserve in electric power stations with cross connections 2−12477
conversion to coal-fired units, guidance 2−3927
cool water coal gasification, 100 MW demonstration facility 2−3901
cooling tower selection for large thermal power stations *(Croatian)* 2−7720
cooling water corrosion rate, meas. *(Slovak)* 2−17960
deaerator storage tank instabilities, anal. 2−17972
demand curve, joint operation of steam and gas turbine plant to cover variable portion, advantages 2−23113
design phase implementation of availability engineering 2−18021
Detroit Edison power plant wastewater treatment systems, startup and operating experiences 2−23135
digital control methods for power station plants based on identified process models 2−3935
district heating, electrical versus thermal energy flow P-Q diagram, anal. *(German)* 2−3905
district heating, optimum thermal load sharing, computer models *(German)* 2−3907
district heating from thermal power station waste heat, disadvantages *(German)* 2−12465
district heating refuse incinerator plant, Budapest 2−7714
dual coal/oil fired with four 350 MW generating sets, civil engineering aspects 2−7724
early planning for cogeneration 2−17674
EEC solar power plant dynamic analysis and operation criteria 2−27838
efficiency for greatest fuel saving, assessment method 2−17996
efficiency improvement possibilities using steam and gas cycle combined with coal gasification *(Polish)* 2−7718
EHV/MV plant at Matla and Duvha power stations, meas. and control design concepts 2−3938
electric power production development, hydroelectric and thermal power stations mix effect on costs *(Slovenian)* 2−27357
electrical equipment supplied by ELIN-UNION, thermal power station at Mae Moh, Thailand *(German)* 2−12452
electrical values measurement, applications in process monitoring and construction and installation *(Croatian)* 2−27705
electricity and heat generation efficiency improvement *(German)* 2−3902
electricity from coal in USA, history and future trends 2−23094
electrotechnical installation and technical concept for the Sharjah steam power station *(German)* 2−12455
emissions from thermal power stations, automatic monitoring and control equipment, in USSR 2−17586
environmental problems associated with coal use including desulphurisation and fly ash use *(Dutch)* 2−23082
equipment problems, utility oriented approach for root-cause analysis 2−7732
ESCOM system control and load dispatch system, assembly phase experience 2−3941
evaluating the adjustment parameters of controllers for large turbogenerators 2−27721
flue gas desulphurisation cyclic reheat, technical and economic evaluation 2−27743
fluidised bed combustion, industrial and utility appls. 2−3899
fluidised-bed combustion systems in electric power generation industry 2−18026
fly ash, major chemical compounds and trace element distribution study 2−27746
flyash re-entrainment in baghouse operation, test 2−17977
fossil fired unit reliability at low cost with selective QA modules 2−12468
fossil-fired units, stabiliser using speed and electrical power inputs, design and field experience 2−3686
fossil-fuelled power station load dispatching method that reduces air pollution by SO_2 *(Japanese)* 2−17980
gas and steam turbine floating power plants for temporary off-shore operation *(German)* 2−17959

steam power stations continued
gas fuel advantages *(Russian)* 2−23091
gas turbine combined-cycle plants, thermomechanical component reliability prediction procedures 2−18037
gas turbine combined-cycle plants, thermomechanical component reliability forecasting methods, development and validation 2−18038
gas turbines principles of operation, application in heat and electrical energy generation in combination with gas-steam turbine sets *(Slovenian)* 2−3948
Gelderland 600 MW dual coal/oil-firing power station, technical details and environment protection measures *(German)* 2−27686
generating plant reliability charact., operational interruptions and outages, effects *(Russian)* 2−17988
generating units, reliability evaluation *(German)* 2−3903
heat pollution and river water cooled heat power plants *(Hungarian)* 2−17963
heat/electricity combined generation, thermodynamic approach 2−7737
high power turbosets, parasitic currents, causes and measures 2−12476
Hong Kong Castle Peak power station, cost effective operation 2−23087
horizontal scrubber at Salt River Project's Coronado station, USA, performance evaluation 2−27703
industrial cogeneration and integration into public supply grid, economic, institutional, and environmental issues 2−23079
industrial electrostatic precipitators, aerodynamic investigations 2−15634
industrial power station, steam turbine optimisation *(German)* 2−23107
instrumentation and control system 2−7730
integrated coal gasification-combined cycle power plant based on moving bed gasifier, digital simulation study 2−12487
integrated coal gasification-STEG power plant *(Dutch)* 2−27704
integrated gasification combined cycle power plant, DOE funded feasibility study, USA 2−18029
integrated water supply/wastewater treatment system 2−3916
investigation of the electrical precipitation of Ekibastuz coal ash as a function of the exhaust gas temperature 2−12472
Kern power station, Bakersfield, California, dry cooling towers appl. to reduce water consumption 2−27714
large bituminous coal fired steam generators operating on S. African coal, fuel and slag analyses 2−7721
large conveyor systems in a coal-fired power station *(German)* 2−23111
large power stations, dynamic charact. and control during fast power changes 2−3940
lignite-burning power plant control systems and instrumentation 2−12473
limestone flue gas desulphurization installation with improved performance 2−7716
magnetohydrodynamic steam power plant, simulation of dynamics 2−12495
Matsushima thermal power plant flue gas desulphurisation system operation results *(Japanese)* 2−27712
mechanical-thermal equipment in the Mae Moh power station in Thailand *(German)* 2−12453
metal-steam primary circuit system for raising the efficiency of electricity generation *(Dutch)* 2−17966
MHD/steam power generation anal. 2−12927
MHD/steam power plant, promise, progress and problems 2−23100
microcomputer controlled steam raising operations *(Russian)* 2−27710
multiple heat and power systems, energy effectiveness *(German)* 2−27707
municipal refuse-burning power plant technology and economics 2−23133
natural-draught cooling tower emissions, atmospheric impact assessment 2−23124
new block in the Hreiche power station in the Lebanon, description *(German)* 2−12456
NHKG power station, experimental operation of O_2 probe *(Czech)* 2−17962
Nuremberg distinct heating power station chimney design *(German)* 2−27684
offshort power plants for developing countries 2−12501
oil-fired stations, flexible operation for cost effectiveness 2−27702
operation of the TP-100 boiler under hot rotating reserve conditions of the energy unit 2−12480
optimum load scheduling of nuclear-hydro-thermal power systems 2−22863
peak load power stations, control method for turbine with two heat extractions for heat consumers 2−17986
petrographic characteristics of lignites from the Rovinari-Motru basin and their effects on thermal power plants *(Rumanian)* 2−12328
pollution, coal fired power stations and the environment in West Germany *(German)* 2−12485
power generation from biomass fuels, potential in Dominican Republic 2−7602
power in the maritimes and Atlantic Canada 2−27597
power indices of steam/gas power heating plants (PHP), calc. 2−12474
power plant outages caused by air preheater failures, underlying cause determ. 2−23114
power system dynamic optimisation, hierarchical approach 2−17663
present applications of chemistry/ *(German)* 2−3904
present status of Florida Power Corporation's DOE funded feasibility study of the Higgins plant repowering/coal gasification project 2−18028
pressurised fluidised-bed combustion power plants, ceramic fibre filters for hot gas cleaning, evaluation 2−27747
pressurised fluidised-bed combustion power plants, eleven Ca-based desulphurisation sorbents, performance comparison 2−27750
pulverized coal ash, chimney solids and trace elements from 500 MW boiler stack, charact. determ. 2−23098
pulverized coal fired boiler, combustion air automatic trimming using flue gas CO concentration ref. 2−23099
rationalisation of fuel consumption during the 7th and 8th five-year plan, Czechoslovakia *(Czech)* 2−7719
retrofit of a coal-fired open-cycle liquid-metal MHD to steam power plants 2−12932
Ruhrkohle AG, Flingern, 35 MW vortex fired, operating data and technical details *(German)* 2−17965
site for optimizing design objectives 2−3917
slag tap furnace with low NO_x emissions large scale trials *(German)* 2−27699
solar repowering of fossil plants−an emerging technology/ 2−3989
solid fuel conveyor system design rel. to belt reliability *(French)* 2−27697
steam/water circuits layout and design for plant reliability 2−27691
sugarcane bagasse as fuel for experimental power plant 2−7603
superior control system for an industrial power station *(German)* 2−12451
steam power stations continued
supervisory control of raw water supplies for ESCOM's power stations in the Eastern Transvaal 2−3939
surface condensers, EPRI funded research projects in 1981 2−27744
system islanding detectors, appl. of sequence controllers *(Japanese)* 2−7726
Texaco gasifier-based gasification-combined-cycle system, preliminary O_2 plant assessment 2−27755
thermal power plants, statistical identification and optimal control 2−27722
thermal power unit reliability, short-term forecasting models 2−27696
turbine condensers discharged heat utilisation possibilities and prospects *(Rumanian)* 2−12458
turbine generator plant and feed pump drive turbine design features *(German)* 2−27687
turbine-boiler reliability calc. 2−27732
turbine-generator thermal performance monitoring system development 2−17973
turbines, start-up methods comparison using computer program to determine steam conditions *(German)* 2−17953
turbopump for feeding district heating power plants, reliability and feasibility *(Rumanian)* 2−12459
uprating turbine-generators 2−17976
USA coal-fired district heating power plants, technical and economic aspects 2−23126
USA regulatory problems of new fossil-fuel power plant approval 2−18025
vibration problems due to low frequency noise 2−7734
warm water rejected by power stations, agricultural and piscicultural uses *(French)* 2−27679
waste treatment methods meeting zero liquid discharge requirements 2−23138
wastewater management programme design as moving-target exercise 2−23136
wastewater treatment, programmable controller appls. 2−17969
water treatment, choice of the filtering attachment of electromagnetic filters 2−12479
wet and frozen coal flow problems and solns. 2−18018
wet ash disposal facility design for environmental acceptability and structural integrity 2−18022
wet/dry cooling using NH_3 phase change system, test facility, in USA, safety report 2−27753
wood-fired power stations using forest residues, feasibility study 2−18002
H_2O_2 and dissolved gases in cooling water, chromatographic analysis 2−17984
NO_x emission reduction in pulverised coal combustion *(German)* 2−27683
O_2 manufacturing plants, suitability for load following combined cycle power plants 2−27754
O_2 probe for flue gas anal. method of signal linearisation *(Slovak)* 2−23085
SO_2 emission control, cost-effectiveness of coal cleaning and flue gas desulphurisation 2−18017
SO_2 scrubber, 10 MW capacity, prototype-scale testing results 2−7733
SO_2 wet scrubbing systems, operating cost estimates and weighted evaluations 2−18023

steam turbines
see also turbogenerators
1.2 GW coal-fired power plant design for daily cycling 2−18007
1000 MW cross-compound steam turbine generator, Mitsubishi Electric product 2−23101
annular turbine cascades operating on wet steam, power and flow charact. study 2−17993
automatic control system charact. 2−27726
automatic control system fire prevention 2−27727
avoiding corrosion of low pressure steam turbines by coating 2−17983
blade cascades, subsonic and transonic flow research and calc. 2−27723
blade rotor nonadiabatic viscosity numerical integration model 2−17999
blade tenons, reforming in situ method 2−27700
blading reliability anal. 2−18001
boiler-turbine generation unit, soot blowing, optimisation methods for energy efficient operation 2−12499
BWR turbine trip tests in conjunction with RETRAN analysis 2−3876
channel turbulence calc. 2−27731
coal-fired steam generator and turbine unit cycling operation 2−18006
combined cycle unit with operating flexibility 2−3929
combined heat and power appl. in automotive industry, cost effectiveness 2−8116
communal heating systems, thermal energy storage from energy savings view point *(Dutch)* 2−23089
components, service life determ. and evaluation 2−27695
condenser design assessment and optimisation computer modelling techniques 2−23081
contact condenser vacuum deterioration and compensation *(Russian)* 2−23093
cool water coal gasification, 100 MW demonstration facility 2−3901
corrosion experience in large steam turbines, monitoring and control 2−17979
damage minimisation, steam blowing acceptance criteria 2−3932
design of high efficiency single and dual purpose plants with gas turbines 2−28314
digital governor using microcomputers 2−3942
district heating, mass and volumetric flowrate calc. 2−27734
district heating, steam turbines during light heating load, operation as generators of electric power, economic feasibility 2−23112
district heating development in USA, steam and gas turbines utilisation 2−18031
double-reheat turbine design for supercritical pressures 2−18019
effects of free convection in the internal cavity in startup heating of the welded rotor in a high-power steam turbine 2−23104
efficiency calculations for the last stage of high power condensing steam turbines *(German)* 2−27741
efficient production of electricity and water in cogeneration systems 2−28312
erosion tests of steam turbine blade materials 2−27718
evaluation of defects of welded rotors of large steam turbines 2−27724
fire hazards where oil is used and their reduction 2−17994
flow section temp. meas., thermocouples and multipoint potentiometer appl. 2−27729

steam turbines continued
gas turbines principles of operation, application in heat and electrical energy generation in combination with gas-steam turbine sets *(Slovenian)* 2−3948
gas-cooled solar tower power station, combined gas-steam cycle 2−18067
governing and protection system of 200/210 MW steam turbine 2−27711
governor and regulator problems, simulation model *(German)* 2−7722
high capacity, fixed blades design optimisation 2−27739
high efficiency industrial steam turbine, improved design concepts *(Japanese)* 2−27689
high exhaust pressure operation 2−3912
improvement in regulation system of extraction turbine with three adjustable steam extractions 2−12483
improvement of the heating system of studs and flanges of the high pressure cylinder of turbine PT-50-130 2−12478
industrial power station, steam turbine optimisation *(German)* 2−23107
industrial waste heat conversion to electricity using turbosets *(German)* 2−17922
industrial waste heat utilisation, lost effectiveness *(German)* 2−27740
integrated coal gasification-STEG power plant *(Dutch)* 2−27704
load control system *(Russian)* 2−23092
low pressure blades design problems 2−7728
nuclear power plant 1300 MW steam turbine generator set construction and technical details 2−3846
nuclear power plant turbine rotor in-service inspection methods 2−23030
nuclear power plant turbine-generator licensing and regulatory requirements 2−23029
nuclear steam turbines, thermodynamic transients, dynamic simulation model 2−12354
operating power improvement *(Russian)* 2−23090
operation and maintenance of 210 MW steam turbines 2−17967
overspeed protection control using variable structure servomechanism 2−12493
peak load power stations, control method for turbine with two heat extractions for heat consumers 2−17986
power and process steam generation 2−18030
power plant burning refuse for power generation 2−27680
power station turbine generator plant and feed pump drive turbine design features *(German)* 2−27687
power station turbines, start-up methods comparison using computer program to determine steam conditions *(German)* 2−17953
power system with reheat steam turbines and governor deadband nonlinearity, load-frequency control parameter optimisation 2−22844
pressurisation transients in BWR, RAMONA computer code simulations 2−12364
radial rubbings investigation 2−27730
rationalisation of fuel consumption during the 7th and 8th five-year plan, Czechoslovakia *(Czech)* 2−7719
reliability calc. 2−27732
rotors, dynamic balancing, practical approach 2−12450
self-protection safety measures against disturbances 2−27692
sleeve bearings, heat transfer investigation *(Russian)* 2−17990
solar central receiver system repowering of gas-and oil-fired power plants 2−23211
solar vapour-turbine two-circuit systems using organic working fluids, power, mass and size parameters anal. 2−12538
steam power station, Bicske, combined heat/power generation, anal. of which turbines to use *(Hungarian)* 2−23088
supersonic impulse cascades pressure meas. 2−27736
tandem, 1400 MW, flow section charact., vibrations and aerodynamic testing 2−27725
tandem-compound 1800 rev/min turbine-generators for largest superheated steam supply sources 2−18020
thermal tests for district heating plant 2−27728
thermionic combustor application to combined gas and steam turbine power plants 2−12506
turbine-generator underfrequency protection criteria 2−23116
turbo sets shaft line subharmonic flexural oscillations calc. and influencing parameters 2−27694
turbomachinery vibration meas., signature analysis appl. 2−23139
turboset control and safety system features, effects on reliability and safety 2−23953
wake behavior in the presence of free stream turbulence 2−18000
welded rotors construction and manufacture 2−27693
wet steam turbines for nuclear power plants in low power operating region *(German)* 2−3858

steel industry
6 kV cables, routine checks, optimum sheduling *(Russian)* 2−18790
arc furnaces, new generation 2−8090
CAD development in Italy 2−23797
continuous slab casting process computer control 2−23793
eddy current testing, present, past and future 2−8925
electron-beam-welded seams, holes formation *(Hungarian)* 2−28285
energy management systems 2−4491
energy-management system with MELCOM 350-50 model A2300 computer *(Japanese)* 2−4474
foundry, increasing quality of power supplies *(German)* 2−13104
hardsurfacing steel rolls by plasma-MIG method, cost savings and service life improvements 2−23970
National Electrical Code, effects on US steel industry 2−8227
open-coil decarburization furnace, O_2 conc. cell trial utilization 2−11467
pig-iron production linear programming planning *(Russian)* 2−18788
reactive power automatic compensation equipment for steel mill drive instabilities 2−18626
rolling mill clamping mechanism DDC *(Russian)* 2−28268
rolling mills computerised burner control system *(German)* 2−28264
seamless pipe inspection system at Wakayama Steel Works in Japan 2−5047
small fluctuations of synchronous motors in the supplies of plants with steel-smelting arc furnaces *(Russian)* 2−4059
static Var control equipment development for steel industry 2−18800

steel manufacture
annealing furnaces, recuperation system appl. 2−28265
blooming mill, 44-in., static excitation and control system 2−8105
cold rolling mill reel drives, thyristor motors appl. 2−8107
electric arc furnaces, voltage stabilisation, steelmaking process appls. 2−13079
electric melting furnaces, 154 MVA, elec. power supply equipment installation and operation 2−18801
electrostatic oiler appl. to continuous pickling line 2−8104

steel manufacture continued
higher current and voltage harmonics/ in operating regimes/ of steel-melting arc furnaces 2−4492
hot strip mill, 80 in., simultaneous transformer failure 2−8103
hot-strip mills, steel plate profile meas. using X-ray thickness gauge 2−26750
Industry Applications Society meeting, conf., Philadelphia, PA, USA (Oct. 1981) 2−13164
plate fabrication noise problem rel. to air-arc gouging 2−8110
Republic Steel Corp. No.5 steel conditioning facility, design and installation 2−4490
rolling mill drive tuning to minimise dynamic torques 2−8102
torque monitoring increases primary mill productivity 2−11629
US measurement of hot products thickness *(German)* 2−17129
width meas. of hot rolled strip, using stereoscopic vision system 2−11484
O probe for electrochem. meas. of free O content in liq. steel 2−11464
O_2 sensor, development and use for steelmaking in China 2−11463
O_2 sensor for steelmaking 2−11465

stellar light curves *see stellar photometry*

stellar multicolour photometry *see stellar photometry*

stellar photometry
No entries

stellar positions *see astrometry*

stellar spectrophotometry *see stellar photometry*

stellarators
No entries

STEM *see scanning-transmission electron microscopy*

step motors *see stepping motors*

step-recovery diodes *see charge storage diodes*

step response
see also transient response
improvement in the transient response/ of a hydrosystem/ by compensation/ and stabilising signals 2−3957
time-variable temps. measured under strong electromagnetic interference, recording methods 2−26978

Stepanov method *see crystal growth from melt*

stepped motors *see stepping motors*

stepping motors
AC induction stepping motor, design, construction and operational charcts. 2−12653
characteristics, comparison with conventional electric motor behaviour and appl. *(German)* 2−23321
chopper driver, constant motor current, during positive and negative back EMF operation 2−4244
control of stepper motor stop phase 2−4243
drive system, forms pedestal switching testing 2−23979
electrical and mechanical design, computerised model 2−7885
features and industrial appls. 2−23320
flexible LSI control *(German)* 2−23319
flexible toothed rotor drive motor with reduction gear, charcts. *(French)* 2−12675
four-phase, computerised control using 8080 microprocessor *(Italian)* 2−7878
fuel equipment, microdrives, charcts. *(Russian)* 2−28146
H-driver circuit improvement by cross-coupling drive transistors 2−12672
hybrid, with ring coils, characteristics and design *(German)* 2−7880
hybrid and VR small-angle steppers, pros and cons 2−12682
KIM-1 microcomputer based velocity control system 2−12671
linear, magnetic ccts. design 2−23318
linear, normal force prediction using permeance data 2−12683
magnetoelectric step motor, simulation using ODRA 1304 computer *(Polish)* 2−7883
mathematical modelling of AC-type hybrid step motor 2−4253
microprocessor based speed and torque control system 2−23326
microprocessor control under various inertia loads 2−12680
miniature step motor for CO_2 sensor 2−18281
piercing press automation by electronic control of the rotating table *(French)* 2−23322
power supply anal. *(Czech)* 2−27951
precise linear incremental displacement using a helical reluctance motor 2−12678
programmable position control system, for plate bending machine *(Portuguese)* 2−4496
reluctance actuator operating through a thick casing 2−12755
segmented-rotor reluctance motor, synchronisation without pole-slipping, use as positional stepping motor 2−12628
selection parameters, appl. with open and closed loop digital control systems 2−4247
servo-components design and build for use in hostile environments 2−12677
slew region operational charcts. calc. 2−12679
small and special electrical machines, conf. London, England 22-24 Sept. 1981 2−12581
space appl., charcts. 2−18265
Sprague stepping motor drive ICs, range description *(German)* 2−7879
stabilized drive system for stepping motor, analogue quartz watch appl. 2−28137
step-by-step motor recorders, optimal control conditions *(Rumanian)* 2−18280
two-axis, charcts. 2−4242
variable reluctance, minor-closed-loop-control for high speed positioning 2−12670
variable-reluctance, nonlinear programming design 2−23323
vibration control by attachment of dynamic vibration absorber *(Japanese)* 2−12673
VR, three phase, bipolor-drive, static torque formula and torque-angle charcts. derivation 2−12681

stereo amplifiers *see audio-frequency amplifiers*

stereoscopy *see vision*

stiffness constants *see elastic constants*

stimulated Brillouin scattering
adaptive optics, conjugate wave generation physics 2−15558
cholesteric liquid cryst., laser pulse compression 2−1998
fluids, stimulated Mandelstam-Brillouin scatt., use of lasers with saturable filters 2−2061
hexane, efficient phase conjugation of UV XeF laser beam by stimulated Brillouin scatt. 2−25844

stimulated Brillouin scattering continued
III-V semiconductors, stimulated Mandel'shtam-Brillouin scatt . threshold lowering 2−10354
isopropanol, efficient phase conjugation of UV XeF laser beam by stimulated Brillouin scatt. 2−25844
laser beams, broad spectrum, spectral reproduction 2−25855
laser pulse shaping for laser fusion 2−10336
microwave-plasma interaction, stimulated Brillouin scatt. studies using microwave source 2−10513
self-focusing, suppression by optical phase conjugation and stimulated Brillouin scatt. 2−25856
Nd:glass laser, aberration cancellation by wavefront inversion, appl. to plasma diagnostics 2−10281
Nd:glass laser, tailored pulse reflection from stimulated Brillouin scatt. mirror 2−10337

stimulated dielectric relaxation currents *see thermally stimulated currents*

stimulated emission
see also laser theory; lasers; population inversion
acid-base compound solns., stimulated emission characts., protolytic reaction rate influence 2−6188
bremsstrahlung by electrons in magnetic field, appl. to free electron laser 2−20774
coumarin vapour lasers, spectral and time characts., 470-540 nm range 2−20852
coumarin vapours, stimulated emission, 485-520 nm range 2−20851
dyes lasing under Cu vapour laser radiation influence 2−1921
fibre light propagation, amplification by evanescent wave coupling 2−1734
free electron laser, SHG, Feynman diagram technique 2−15429
gamma-ray laser development review 2−1829
inert gas halide excimer lasers, stimulated Raman emission generation in gases 2−10366
optical klystron description and physical mechanism 2−1828
radiative collisional laser amplifier, theoretical and expt. evidence 2−10250
ring laser with 90° Faraday rotator, stimulated emission polarisation and freq. characts., temp. influence 2−1979
semiconductors, laser radiation, submicron, from exciton transitions excited by external source 2−25752
superconducting weak-link system, EM wave stimulated emission feasibility 2−25763
three-energy-level laser system, non-equilib. steady state *(Chinese)* 2−25649
AlAs-$Al_xGa_{1-x}As$-GaAs superlattices, absorpt., stimulated emission and clustering 2−25050
AlAs-GaAs superlattice, absorption and stimulated emission 2−15502
ArF* molecules excited by fast discharge, stimulated emission 2−1896
CO laser, intensity modulation, freq. stabilisation and tuning by extracavity Stark cell 2−20939
CO_2 waveguide laser, parameters of active medium by luminesc. study 2−20810
Cd_3P_2, stimulated emission 2−10279
Cu vapour laser, stimulated emission radial characts. 2−1879
Er^{3+}:YAG crystals, stimulated emission spectrum due to self-saturating transitions 2−15499
$Er_3Al_5O_{12}:Ho^{3+}(Tm^{3+})$, cross-cascade stimulated ion emission 2−15497
HF electric-discharge chem. laser operating at high pulse repetition freq. 2−20820
HF-HCl CW chain-excited self-contained chem. laser utilising an F-H_2-ClF-He mixture 2−20815
He-Ne cascade laser, two-photon amplification 2−10221
I_2 laser, B state, stimulated emission and absorpt. losses 2−10213
KrCl* molecules excited by fast discharge, stimulated emission 2−1896
Kr_2F laser, broad band, electron beam pumped 2−20790
KrF* molecules excited by fast discharge, stimulated emission 2−1896
LiF:OH crystal, quasicontinuous generation of stimulated emission of $F_2^+O^{2-}$ centres 2−20859
$NaF(F_2^+)_A$ laser, stimulated emission 2−25758
Nd:phosphate glass-fiber laser, stimulated radiation spectral comp. and emission kinetics 2−20872
Nd^{3+}:metaphosphate glass laser, spectral generation investigation 2−6196
Xe_2Cl laser, broad band, electron beam pumped 2−20790
XeCl* molecules excited by fast discharge, stimulated emission 2−1896
XeF laser, broad band, electron beam pumped 2−20790
ZnO, stimulated emission obs. at high one-photon excitation level, UV photolum. 2−20858
ZnS:Cu,Nd,Cl film, laser phenomena in direct current electrolum. and cathodolum. 2−10127
ZnSe single-crystal film laser screens on sapphire, stimulated emission 2−25759
ZnTe single-crystal film laser screens on sapphire, stimulated emission 2−25759

stimulated Raman scattering
see also coherent antiStokes Raman scattering
centrosymmetric monocryst., stimulated Raman scatt. and parametric gain 2−10364
effective bandwidth increase expts. in Nd:glass laser fusion driver 2−1996
four wave mixing, rotational CARS and stimulated Raman scatt., 3D phase matching 2−10365
inert gas halide excimer lasers, stimulated Raman emission generation in gases 2−10366
liquids, transient stimulated Raman scatt. using passively mode-locked ruby laser 2−15495
methane, backward wave Raman pulse compression of KrF laser, laser fusion appls. 2−6164
multimode fibres, parametric nonstationary stimulated Raman scatt. *(Russian)* 2−10020
optical fibre, multimode, stimulated Raman scatt., threshold pump power 2−25531
optical fibres, sum frequency generation, phase matched 2−1997
resonance and preresonance conditions, stimulated Raman scatt. spectra 2−1999
single mode optical fibre, 52 km long, fault location using stimulated Raman scatt. effect 2−25488
superradiation regime, wave-front registration and reconstruction 2−10362
ultrashort light pulse generation in laser with bleachable filter by intracavity generation of Raman emission 2−6259
wave-front reconstruction of picosecond pulses by stimulated Raman and Rayleigh-wing scatt. 2−10363
GeO optical fibres, stimulated Raman scatt. studies *(Chinese)* 2−25520

stimulated Raman scattering continued
SiO_2 core fibre stimulated Raman scatt., high-order comb spectrum 2−20649
SiO_2 hollow fibres, tetrachloromethane-bromotrichloromethane filled, IR generation by multiple-order stimulated Raman scatt. 2−20960
SiO_2 long span single-mode fibres, stimulated Raman amplification characts. 2−1708
XeCl laser output, Raman down-conversion for blue-green appls. 2−15557

stimulated scattering
see also stimulated Brillouin scattering; stimulated Raman scattering
wave front reversal, mechanism for form. in nonlinear optics 2−15549

stochastic processes
see also random processes
ARMA processes, time-dependent, evolutive cospectral anal. 2−19146
birthless death migration stochastic model 2−13481
Bourret approx. in stochastic integral eqns., possible incorrect results 2−286
closed boundary anal., stochastic models, representation and recognition 2−15933
clustered point processes, continuity props. 2−290
complete information two player games with correlated positional eval., stochastic models 2−13414
convergence to diffusions with regular boundaries 2−8571
covariance structure of sampled correlations from ARUMA models 2−19143
cross-correlation functions meas. of stochastic processes, statistical errors 2−3026
differential equations, multiplicative noise, numerical study 2−24269
differential equations partial hyperellipticity *(French)* 2−24050
differential equations with boundary conditions, strong solutions 2−19099
discrete-time adaptive filter for stochastic distributed parameter systems 2−10702
distribution free tests for comparing trends in Poisson series 2−8574
dynamic zero sum two person games, optimal strategies in minimax decision models *(German)* 2−13429
dynamical systems and processes with discontinuous sample paths 2−24268
elliptical contoured distribution theory 2−8548
epidemic, simpler proofs of two threshold theorems 2−8534
existence for class of stochastic parabolic variational inequalities 2−13491
existence of optimal strategy in univariate diffusion process control 2−19334
extremal problems in statistics 2−284
four-moment reliability analysis for static and time-dependent problems 2−13306
functional central limit theorem for semimartingales 2−8575
games, value 2−13422
geostochastic systems, limit theorems 2−289
i.i.d. random variables, geometrically weighted, lim sup behaviour 2−8566
i.i.d. random vector, on the observation closest to the origin 2−8567
infinite point systems, first order stochastic dynamics 2−298
infinitely-many-neutral-alleles diffusion model 2−4756
inspection model for single unit systems *(German)* 2−126
interactive interpretation of stochastic search methods for most preferable element 2−13466
intermodulation meas. using microcomputer, nonlinear amplifiers meas. appl. 2−17113
Itos formula for processes indexed by a part of R^d *(French)* 2−13440
KMS states, stochastic processes association 2−8555
laser light, ergodicity, in optical fibre transmission 2−10018
linear models, comparison of mixed and minimax estimators 2−4887
linear-quadratic stochastic pursuit-evasion games 2−8443
local times of stochastic processes with positive definite bivariate densities 2−8570
Markov chain increments 2−292
measurement methods statistical errors *(Slovak)* 2−11311
monotone follower problem in stochastic decision theory 2−8444
multivariate new better than used distribs., stochastic ordering 2−4791
n-person games, stochastic soln. concept 2−220
nerve membrane model with K conductance component, fixing behaviour 2−13408
normalised order statistics asymptotic independence 2−8549
on a property related to convergence in probability and some applications to branching processes 2−8572
operator self similar stochastic processes in R_d 2−8573
optimal control of random evolutions 2−13490
optimal predictable transforms 2−19140
optimal research problems, reliable solutions *(French)* 2−283
optimal stochastic scheduling, perturbation anal. of system of quasi variational inequalities 2−384
optimisation, penalty-type convergence 2−13622
periodicity involvement, modelling and prediction 2−227
point process approx. by renewal process, indirect approach 2−19107
point processes, Papangelou kernel 2−300
point processes autoregressive models 2−297
point processes generated by order statistics and their applications 2−293
Poisson line processes entropy 2−299
predator-prey system with periodic coeffs. 2−13406
print processes, Gibbsian description 2−291
project planning model, bounds for expected duration 2−65
pulse measuring system, self-diagnosis technique 2−27083
pulse measuring systems, self-diagnosis method 2−27084
queueing system sensitivity assessment 2−24057
queueing theory, machine interference model/ with threshold effect/ 2−197
Raman manifold, stochastic mean value *(French)* 2−8406
random paths and random surfaces on digital computer 2−13433
random variables, Glivenko-Cantelli theorem 2−8568
regression function root estimation, modified Robbins-Monro procedure 2−4925
regression-based orderings and measures of stochastic dependence 2−13483
remarks on the equation $dX_t=a(X_t)dB_t$ 2−8569
renewal process mean lifetimes 2−8326
renewal processes, alternating, stochastic comparison 2−136
self-assembly of graphs with cycles, loops, multiple edges 2−19229
sensors, model mismatch effects on future detection 2−13325
sequential probability ratio tests, OC function, stochastically ordered distributions and monotonicity 2−13484

stochastic processes continued
sequential tests, locally most powerful 2−8565
shock models and the MIFRA property 2−8325
SPREAD SPECTRUM signals, description as stochastic processes 2−6454
state representation for deterministic processes *(German)* 2−24128
stationarity test for harmonisable stochastic process 2−19150
stationary marked point processes inversion formula 2−205
stationary point processes, central limit theorem and convergence 2−294
stationary point processes moment anal. 2−296
stationary solutions for linear systems with additive noise 2−13492
statistic with stochastic expansion, asymptotic expansion 2−24120
statistical information processing system for prediction and control 2−288
statistical physics, configuration states lifetimes 2−24092
stochastic, dependence of uniformly distributed discrete random events generated in rapid succession *(German)* 2−4807
stochastic hydrology, wet statistics for dry statisticians 2−8487
stopping times and an extension of stochastic integrals in the plane 2−8545
structural equivalence of linear systems and compartmental models 2−13407
trajectory estimation with infinite variance 2−19144
UHF urban radio channel, stochastic model 2−10993
uniform distribs., infinite convolutions 2−13470
Wilcoxon-Mann-Whitney statistics, progressively truncated versions, estimation of P{X>Y}3 2−231
yeast cell growth modelling using stochastic branching processes 2−24104

stochastic programming
confidence intervals anal. 2−13632
dynamic programming, caution and programming concepts 2−388
generation planning model with reliability constraints 2−22860
interactive algorithm adapted for multinormal distributions, multicriteria approach *(French)* 2−4891
iterative algorithms, nonasymptotic estimates of convergence rate 2−4884
minimum risk criterion in stochastic optimization 2−4899
model switching criterion for class of stochastic linear programs 2−13619
models for decreasing risk aversion 2−13639
multistep procedures of stochastic optimization 2−24190
nonsmooth stochastic optimisation problems, stochastic feasible direction methods 2−372
positional differential game, stochastic programmed synthesis *(Russian)* 2−4741
spanning tree problem 2−24195
stochastic programming problems associated with adaptive production planning 2−13631

stochastic systems
see also random processes
analytical treatment of hydro units with random energy in stochastic production simulation 2−23164
certainty equivalence property in stochastic control theory 2−386
differential equations with discontinuous sample paths 2−24268
discrete minimal-order optimal estimator, simple derivation 2−15878
distribution networks, stochastic model for PLC systems 2−12243
exit problem for small random perturbations of dynamical systems with a hyperbolic fixed point 2−13377
identification of stochastic linear systems in presence of input noise 2−10681
nonlinear equations, numerical method of least squares solution method *(Italian)* 2−490
optimal control differential equations model 2−13734
optimal control of nonlinear stochastic systems 2−383
PABXs, optimum load distribution on operators, multiserver stochastic service system *(Hungarian)* 2−6695
power system dynamic fit and equivalent optimal control using system identification method *(Chinese)* 2−7467
power systems dynamic modelling and control 2−27396
security markets with continuous trading, theory 2−8563
signal stream distrib. registration, anal. of histogram distortion *(Russian)* 2−3092
singular perturbation results for class of stochastic control problems 2−385

stock control
see also production control
commodity circulation, Hoffman's existence theorem generalisations 2−354
fleet maintenance, (S-1, S) spare-part inventory policy 2−18954
forest biomass inventory, productivity and availability 2−17803
inventory system, continuous-review system, algorithms 2−267
Markov drift processes steady state anal. 2−301
structured Markovian decision models, optimal policies 2−24069

stock control data processing
see also computerised materials handling
electrical contracts EDP appl. in small business management *(German)* 2−23949
electricity meter stock central administration and organisation using electronic data processing *(German)* 2−4592
telephone cable manufacturing inventory, production and assignment system 2−10947

Stockbarger method *see crystal growth from melt*

Stokes law (optical) *see luminescence*

Stokes lines *see spectra*

Stokes optical law *see luminescence*

storage, analogue *see analogue storage*

storage, digital *see digital storage*

storage devices *see digital storage*

storage management and garbage collection
see also file organisation
transparent memory addressing, used for CRT video display 2−16859

storage organisation *see file organisation*

storage rings
accelerator theory 2−17218
accumulator rings, heavy ion fusion, transverse emittance requirements 2−3322
Antiproton Accumulator, magnet fabrication and structural design 2−7262
Antiproton Accumulator magnets, automatic measuring system 2−7263
beam-beam collisions, nonlinear coherent effects between bunched colliding beam 2−3325

storage rings continued
Canadian high energy electron ring to study the microcosm at 10^{-18} m 2−17191
CHEER, synchrotron radiation possibilities 2−17193
CHEER injection system 2−17192
CHEER RF system 2−17205
Daresbury Synchrotron Radiation Source, multipole magnet design and testing 2−7261
DESY, beam lines and instruments for synchrotron radiation expts. 2−7255
electron, low-freq. transverse charge oscills. *(Russian)* 2−17211
electron beam, ang. vel., RMS spread, meas. from synchrotron radiation 2−11721
electron cooling, electron vel. distrib. flattening effect 2−3338
electron storage ring machines props. and limitations, e^+e^- annihilation expt. 2−7247
elementary spinor algebra for polarised beam 2−3337
fail safe device against vacuum breakdown, acoustic delay line transient response 2−22457
Fermilab Tevatron project, status report 2−27003
HERA electron-proton collision accelerator, lepton-quark interaction study *(Dutch)* 2−3309
injector design for electron-positron storage ring 2−17199
ion storage ring, electron cooling 2−17203
ISABELLE, project of Brookhaven National Laboratory, NY *(Dutch)* 2−3334
Isabelle magnet tubes, choice of steel, low temp. mech. props. 2−11722
ISABELLE supercond. magnets, end field multipoles, orbit effects 2−25465
ISR low-β quadrupoles, protection and monitoring 2−3329
ISR superconducting quadrupoles, mag. meas. 2−7265
LEP, beam handling equipment and ring history *(Dutch)* 2−17206
LEP, CERN project, theory *(Dutch)* 2−3310
LEP, polarised electron/positron beam prospect survey 2−27009
LEP, review 2−3305
proton storage ring appl. as synchroinductron for converting low freq. AC energy to microwave energy 2−4297
proton storage ring appl. as ultrahigh-power pulsed microwave source 2−3314
proton-proton (antiproton) colliding beams, amplitude growth 2−3326
SRS, progress report 2−7305
VEPP-4 storage ring absolute energy calibration and ψ, ψ' meson mass meas. *(Russian)* 2−27019
wiggler magnet, ST, for storage ring, design, construction, testing 2−22463
e^+e^- colliding ring, beam-beam luminosity limits 2−17210
Al anodised strip excitation coils for LEP magnets 2−7264
Nb, elliptically shaped RF cavities, expt. and theoretical results 2−11707

storage tubes
see also image storage tubes
No entries

storage units
data streaming and concurrent read/write reference in storage subsystem 2−14114
Intel 8206 error detection and correction unit for use with memory systems 2−14098

stored program control *see electronic switching systems*

stores (computer) *see digital storage*

storms
see also magnetic storms; thunderstorms
Hurricane Eloise 1975, automatic cloud tracking from GOES satellite obs. 2−7435
MM-wave airborne radiometer for 94/183 GHz high altitude atmospheric meas. 2−22725
pre-monsoon squalls, 1975 to 1979, over Dum Dum, significant characts. of radar echoes 2−3603
overhead line tornado-induced outage prediction method 2−17677
radar (5 cm) detection of storms, attenuation problems 2−15686

strain control
conveyor belt laminated material, automatic monitoring system *(Russian)* 2−26995

strain gauges
see also strain measurement
AC bridge circuit, automatic phase balance, theory *(Chinese)* 2−7150
airborne stress transducer stability testing, for meas. bond stress in rocket motor 2−22660
braking force meas. on commercial vehicles 2−26837
carbon-manganin gauge, stresses meas. during nuclear underground test 2−22264
characteristics and construction principle *(German)* 2−11476
computer-controlled, improved data loggers *(German)* 2−7022
conveyor belt laminated material, automatic monitoring system *(Russian)* 2−26995
differential low pressure meas., in high static line pressures 2−22267
electrical load cells, weighing cells and strain gauges *(Hungarian)* 2−22406
encapsulated strain gauges for use at temps. up to 315°C, practical appls. *(German)* 2−16924
Ferro-gauge design and operation, for steel martensite content meas. 2−19483
force transducer using amorphous magnetic ribbon cores 2−22244
IC test bars for meas. of internal stress introduced during packaging 2−14940
impulsive forces meas. on wind tunnel model 2−12002
insulation measuring device for strain gauge technique *(German)* 2−11448
multiwire chambers, filament tension meas. device 2−11630
multiwire chambers, filament tension meas. device 2−17136
physiological parameters measurement systems 2−7310
rolling freight trains load monitoring control station *(German)* 2−23711
SAW, mechanical magnitudes detection *(Russian)* 2−16945
semiconductor chip internal stress level monitoring using strain-gauge technique, quartz layer damage 2−1409
semiconductor strain gauges for meas. of pressure and pressure difference, determ. of water turbine throughput *(Czech)* 2−11454
sensitive displacement transducer raised on linear movement of a shaft in tape red chamber 2−3132
stress measurement techniques for three dimensional components *(Spanish)* 2−17181
submarine vibration and strain measurement instrumentation with an automatic self-test feature 2−22098

strain gauges continued
technological features *(Russian)* 2−3130
thick film 2−22229
thick-film resistor, characterization on enamel steel 2−11429
underwater tension meter for trawl warps tension meas., microprocessor-based 2−26755
wind tunnel force instrumentation, for cryogenic environment 2−22624
wind tunnel operating envelope optimisation, by automatic balance protection 2−22623
Si junctionless sensor for high temp. appl., SOS technology feasibility 2−22266
Si piezoresistive strain gauge technology in aerospace applications 2−17482

strain hardening *see work hardening*

strain measurement
see also strain gauges
aerospace industry test methods advances, conf., Indianapolis, IN, USA (April 1981) 2−22654
bridge cable tension meas. by microcomputer based instrument using microtensor induced vibration method *(Japanese)* 2−11631
capacitance displacement measuring system for precision strain meas. at elevated temps. 2−623
conveyor belt laminated material, automatic monitoring system *(Russian)* 2−26995
electronic speckle pattern interferometry, in-plane strain meas. on rotating structures 2−11675
holography and speckle techniques for deformation and vibr. anal. 2−10381
SAW strain gauge mechanical magnitudes detection *(Russian)* 2−16945
submarine vibration and strain measurement instrumentation with an automatic self-test feature 2−22098
thermal expansion and magnetostriction meas. on spherical samples 2−11621
Nd:YAG laser rod internal strains, optical anal. using interferometry 2−20928

strays (atmospherics) *see atmospherics*

streak photography
dye laser, CW, mode-locked, pulse emission obs. using streak-camera 2−6189
picosecond framing technique using a conventional streak camera/ 2−3082
pyroelectric picosecond techniques for IR pulse meas. 2−1551

streamer chambers
absolute γ quantum flux meas. apparatus 2−27076
high pressure chamber design and performance 2−27072
self-shunted streamer chamber tracks digitisation and reconstruction using television system 2−3410

streamers *see discharges (electric)*

street lighting
energy conserving cost saving measures and effects *(German)* 2−28221
energy efficient roadway lighting system conversions, economics 2−13072
road lighting in UK, calc. and meas. 2−28224
road lighting installations, design code, New Zealand 2−23732
road lighting lanterns, optical design, computer techniques 2−18739

strength (mechanical) *see mechanical strength*

stress *see internal stresses; stress effects; stress/strain relations*

stress birefringence *see mechanical birefringence*

stress control
No entries

stress corrosion cracking
AGR boiler design and construction in UK 2−7671
BWR intergranular stress corrosion cracking, causal factors and mitigation 2−23063
cartridge brass, acoustic emission monitoring 2−19482
corrosion experience in large steam turbines, monitoring and control 2−17979
generator end bells made from non-magnetic steel, resistance to stress corrosion *(German)* 2−7796
Inconel 600, corrosion in LWR coolant by cationic resin beads 2−7674
measurement method *(German)* 2−22451
nuclear power station boiler tubesheet crevices, Inconel 600 tubing corrosion problems, conf. proceedings summary 2−27634
PWR steam generator materials, Cu and Ni compounds effects on corrosion 2−7670
PWR steam generators materials performance 2−7662
reactor fuel performance testing with respect to pellet clad interaction 2−7656
steel, Alloys 800, 600, 690, materials requirements for PWR steam generator tubing 2−7666
steel, austenitic stainless, acoustic emission monitoring 2−19482
steel, pearlitic, under operating conditions of nuclear power plant drum steam separators, corrosion fatigue strength 2−13853
steel, stainless 304, corrosion fatigue and AE anal. *(Japanese)* 2−24344
steel stainless, pipe welds in BWRs intergranular stress corrosion cracking study 2−3867

stress effects
see also cavitation; deformation; elastic waves; heat treatment; magnetomechanical effects; materials testing; mechanical properties of substances; mechanical testing; piezo-optical effects; piezoelectricity; piezoresistance; shock wave effects; stress measurement; stress/strain relations
No entries

stress measurement
AC generator stator winding mechanical stress determination through model tests *(French)* 2−18169
acoustic holographic interferometry appl. 2−8896
airborne stress transducer stability testing, for meas. bond stress in rocket motor 2−22660
airborne stress transducer verification for meas. stresses in solid propellant rocket motors 2−22661
bulk material, internal stress meas. using neutron diffr. 2−627
detonation stresses meas., using carbon and quartz gages in tandem arrangement 2−22434
integrated optical force and stress sensor 2−7078
longitudinal stresses in stainless steel pipes, meas. by X-ray diffraction stress analyser 2−17139
LSI stress, introduced by plastic packages, measurements with integrated strain gauges 2−14940
magnetomechanical acoustic emission, NDT internal stress meas. 2−625

stress measurement continued
manganin stress gauges, dynamic response 2−3123
measuring rock stress for hydro projects 2−18053
metal, stress field meas. by acoustic technique 2−8892
micromechanical props. anal., automatic system 2−26732
optical fibre or preform, stress distribution meas. 2−25485
rail stress meas., appl. of acoustoelastic effect 2−8894
residual stress mapping by US tomography 2−8891
residual stress meas. by US 2−8890
semiconductor chip internal stress level monitoring using strain-gauge technique, quartz layer damage 2−1409
steel, mild, internal stress meas. using neutron diffr. 2−627
stress corrosion cracking measurement method *(German)* 2−22451
US materials charact., conf. Gaithersberg, USA (June 1978) 2−8148
visualisation of stress effects in three dimensional components, techniques for measurement *(Spanish)* 2−17181
Wheatstone bridge with carbon-manganin gauge, nuclear underground test appl. 2−22264
X-ray, using non η corrected side inclination method *(Chinese)* 2−17182
X-ray diffr. method 2−626
X-ray stress analyzer for residual stress meas. 2−22454
Al, plastically deformed, temp. depend. of US velocity to evaluate internal stresses 2−8893
Cu, plastically deformed, temp. depend. of US velocity to evaluate internal stresses 2−8893

stress-optical effects *see piezo-optical effects*

stress relaxation
see also creep; viscoelasticity
Permalloy lines, mag. anisotropy limiting effects 2−15222
Ta, sputtered coating on Si, interface stresses and elec. props 2−14730

stress wave emission testing *see ultrasonic materials testing*

stress/strain curves *see stress/strain relations*

stress/strain diagrams *see stress/strain relations*

stress/strain relations
see also elastic constants; serrated yielding; yield point
acoustic tensometry, methods and apparatus, review 2−5046
mica flake integrated sheet/epoxy laminates, mech. and elec. props. 2−13860
superconducting composites, multifilamentary, crit. current strain depend., use of MAXIMSUPER computer program 2−9907
Cu-Nb-Sn multifilamentary in situ wires, high-temp.-gradient casting 2−8844
Nb_3-Sn-Nb-bronze composites, supercond. props., stress effects 2−9906
Nb_3Sn, filamentary, supercond. props., stress effects, mag. fusion energy program appl. 2−15240
Nb_3Sn, multifilamentary, strained, self-healing effect 2−9885
Nb_3Sn, multifilamentary, crit. current strain depend., use of MAXIMSUPER computer program 2−9907
Nb_3Sn multifilamentry wires, in situ prep., high field crit. current density, mech. stresses effect 2−9904

stresses, internal *see internal stresses*

stretch receptors *see mechanoception*

striations *see discharges (electric)*

strip line components
3dB Large coupler design, microwave ICs appl. 2−5341
7.5 GHz microstrip phased array for aircraft-to-satellite communication 2−10595
bandpass filter with nonuniform-coupled transmission lines 2−24651
broadband fin-line mixer for mm-waves, material and cct. evaluation 2−938
circular microstrip disc, determination of capacitance by Noble's variational method, MIC appls. 2−14286
circular microstrip disc capacitance calc., appls. in MIC 2−14287
convertor package for spectral analyser, with field replaceable diodes, 50 kHz to 21 GHz 2−16910
design of stripline ccts. 2−14289
digital frequency multiplier using multi-section two-strip coupled line *(Japanese)* 2−9213
directional filter using microstrip lines coupled by dielec. resonators 2−24674
interdigitated microstrip couplers calculated and measured parameters anal. 2−935
linear-phase filter using capacitively-coupled resonator chains, planar PC appl. 2−24673
microstrip 3dB hybrid coupler with low-permitt. dielec. substrate for MM-waves, material and cct. evaluation 2−919
microstrip balanced mixer, 1.5 GHz, design and exptl. results 2−918
microstrip circuits coupled to dielectric resonators, anal. 2−24657
microstrip coupler directivity improvement 2−14283
microstrip dipole arrays, active input impedances and radiating currents, formulation of design procedure 2−2214
microstrip dipole arrays including mutual coupling, design, self/mutual impedance of elements, backscatt. relation 2−2215
microstrip directional coupler design using exponential lines, scatt. parameters 2−24670
microstrip on magnetised ferrite-substrate, meas. of dispersion characts. *(German)* 2−24650
microstrip ring resonators, CAD based on waveguide model 2−24682
microwave planar structures, radiation loss anal. 2−923
MM-wave microstrip IMPATT diode oscillator for 100 GHz, variable-freq. design 2−19889
multistrip coupler, modified, surface acoustic waves to line acoustic waves mode conversion 2−5881
parallel-coupled-line filters for inverted-microstrip and suspended substrate MICs 2−24707
rectangular dielectric resonator design, for high- filtering functions in microstrip circuits using TI-59 calculator 2−5343
resonator using surface spin waves, meander type 2−930
stepped coupled lines bandpass filter, tunable 2−9211
superconducting thin-film microbridge, small-signal microwave impedance meas. 2−1616
thin film transformer-coupled supercond. tunnel junctions, EM props. 2−9931
transformer coupled multiple freq. circulator with Chebyshev characts., synthesis 2−9208
trislot-cavity microstrip antenna 2−6373
two-dimensional planar microwave ccts., desegmentation method for anal. 2−6354

strip line components continued
GaAs FET power combining with travelling-wave combines amplifier 2−9217
GaAs microstrip optoelectronic switches using laser plasma tapers 2−5353

strip lines
baseband signal processor for data and dock regeneration of PQM 2−10690
CAD basis for frequency-dependent characterization of strip, slot and co-planar components 2−24717
Chinese University of Hong Kong microwave and antenna research 2−21249
coupled microstrip lines, power dissipation on edges 2−19836
coupled microstrip lines on ε- and μ-gyrotropic substrates, EM field anal. 2−26027
coupled microstrip transmission lines, loaded with homogeneous dielectric, phase and energy characteristics 2−10542
coupled microstrip transmission lines, normal mode parameters calc., Green's function appl. 2−26029
coupled microstrip-like transmission lines for MM-wave appls., propag. parameter s 2−24643
dielectric, in short-wavelength part of mm-range, characts. expt. exam. 2−914
impedance matching antennas/transmission lines 2−6366
inhomogeneous broadside-coupled striplines employing anisotropic substrates, anal. 2−19832
meander-line filters incorporating p-i-n diodes 2−24723
MIC, covered microstrip, CAD, impedance and effective dielec. constant, empirical formulae 2−24716
microstrip, flat short-circuited of one wavelength width, acting at quarter-wave resonance 2−14277
microstrip antennas, theory and design, book 2−6367
microstrip attenuation and open-circuit termination loss, simultaneous meas. 2−26946
microstrip discontinuities, equiv. ccts. for MIC design *(Polish)* 2−2174
microstrip ICs, computer aided design and testing *(German)* 2−5362
microstrip lines, on transversely magnetised ferrite substrate, approx. of harmonic functions 2−14281
microstrip lines comprising layered dielectric media, dispersion 2−906
microstrip lines on anisotropic substrates, hybrid mode anal. 2−24641
microstrip medium for microwave and digital ccts., CAD techniques, book 2−23873
microstrip multilayer PCB, new developments in design construction 2−14398
microwave antenna sealed strip line feeder, used for space shuttle 2−26068
MM-wave transmission lines, comparative study 2−19841
open wide microstrip lines, asymptotic eigenequations and analytic formulas for dispersion characts. 2−911
parallel-coupled microstrip transmission lines on pyrolytic BN 2−19835
PCB high speed digital design, interconnection effects on cct. performance 2−14396
planar MIC technology, design and meas. techniques, problems *(German)* 2−947
S-parameter characterisation of coaxial to microstrip transition 2−21175
screened non-symmetrical strip lines, charact. wave decay *(Russian)* 2−26023
shielded microstrip ccts., open-end discontinuity, anal. 2−5334
shielded microstrip on anisotropic substrate, characteristics *(Spanish)* 2−15754
structures and material properties, general discussion 2−24644
superconducting film, kinetic inductance, surface effect 2−9887
suspended broadside-coupled slot line with overlay for MIC components 2−19838
thick film MICs, low-loss strip resonators in L-and X-band, Du Pont/USA/Cu composition appl. 2−19997
transmission line singularities, boundary integral eqn. anal. 2−9206
unbalanced stripline, current distrib. of fund. and higher modes of normal waves using Galerkin's method 2−21182

stroboscopes
see also velocity measurement
crystal controlled stroboscope, for gramophone turntable rotation calibration 2−22398
RPM meter, using light probe, MOSFET 3140 op amp, 555 timer IC 2−3277

structured programming
ATE program for IEEE 488 bus systems 2−26723

student experiments *see demonstrations*

student laboratory apparatus
control course laboratory procedure, approach to microprocessor incorporation 2−13189
electronic analogue for nerve cell teaching 2−8164
electronic unknown-signal generator, student oscilloscope expts. 2−23902
electronics laboratory manual, book 2−25257
high-sensitivity microwave optics 2−14276
IC laboratory, Engineering Design Centre, Case Western Reserve University, USA, review of facilities 2−8180
microelectronics, Unilab Blue Chip range, survey 2−4584
phase meter for educational use, employing logic circuit, op amps 2−11522

studios
see also radio studios; television studios
broadcast and recording, architectural acoustics and measuring techniques *(Japanese)* 2−2875
Creative space audio recording facilities built around Teac Portastudio 2−6967
digital sound recording, studio techniques in Great Britain 2−26675
film recording studio, acoustic design 2−16735
Sonex acoustic soundproofing material, use in Alpha Audio sound recording studio 2−26678
sound, correction amplifiers and interactive correction systems *(Dutch)* 2−26658
sound insulation for recording studio built in residential area 2−26681
sound recording quality in British Studios in the 1960s 2−26676
sound recording studio control rooms, quidelines for obtaining good acoustic characts. 2−26679
sound recording studio technology in Great Britain, general discussion 2−26674
soundproofing materials used in recording studios, health risks 2−26680

submarine cables
see also cable laying
140 MHz submarine coaxial cable system design *(Japanese)* 2−21715
automated handling system 2−21727
broadband submarine coaxial cable repeater, 10800 channel capacity *(Japanese)* 2−21716
coaxial cable fault location test set employing measurement of the frequency-scanned return modulation product *(Japanese)* 2−26734
coaxial cable repeatered line, surge protection design *(Japanese)* 2−13243
communication network development in Arabian Gulf 2−2658
coupling technique for coaxial system, armoured-cable structure appl. *(Japanese)* 2−21718
dynamic response of submerged cable, submarine cable laying design method derivation *(Japanese)* 2−21724
EHV single core submarine cable systems, long distance, transmission capacity calc. 2−12251
HF attenuation characteristics, finite-order polynomial expression *(Japanese)* 2−16331
high capacity armoured/nonarmoured, structural design *(Japanese)* 2−16328
high current power feed equipment, DC/DC convertor, 140 MHz submarine cable system appl. *(Japanese)* 2−21720
HVDC, Japanese (Hokkaido-Honshu) linkage 2−27509
IC regenerator, capable of operation in 2 to 320 Mbit/s range 2−21853
insulating materials, dielectric loss tangent analysis for radiation-polymerised polyethylenes at 500 MHz, 20°C *(Japanese)* 2−16332
Japan-Korea submarine cable system for international telephony, CS-36M-DR system appl. *(Japanese)* 2−26383
mechanical design 43 mm armoured submarine coaxial cable, stranded wire theory appl. *(Japanese)* 2−16330
mechanical design 43 mm nonarmoured submarine coaxial cable *(Japanese)* 2−16329
ocean block equaliser design for overload protection 140 MHz submarine cable system *(Japanese)* 2−21719
ocean environment effects on 43 mm submarine coaxial cable transmission characteristics *(Japanese)* 2−21725
oil industry communication systems, cable and microwave transmission networks 2−6550
optical, design and mechanical characteristics 2−16472
optical fibre, Japanese project *(Japanese)* 2−16473
optical fibre, performance evaluation *(Japanese)* 2−11086
optical fibre appls. in submarine cable systems 2−26514
optical fibres, single-mode, submarine cable system appl. 2−6008
passive components for 140 MHz submarine cable repeaters *(Japanese)* 2−21722
remote-controlled submersibles, underwater technology research development 2−22092
self-contained, oil-filled, hydraulic design 2−7548
shape estimation for a flexible underwater cable 2−16521
shore terminal equipment for 140 MHz wideband submarine cable system *(Japanese)* 2−21717
telephone cable fault location, repair and reburying, use of SCARAB robot 2−10952
telephone line fault location test set 2−21728
undersea fibre optic cable developments 2−21819
undersea optical fibre transmission system technology 2−2809
Video Information Control Cable Burying System (VICS) 2−21726
weatherability of polyethylene sheathing *(Japanese)* 2−16333
wideband 140 MHz submarine cable repeaters using semiconductor devices and hybrid ICs *(Japanese)* 2−21721
wideband coaxial switches for ocean block equaliser in 140 MHz submarine cable system *(Japanese)* 2−21723

submillimetre waves *see microwaves*

suboptimal control *see optimal control*

subroutines
BASIC subroutine to calculate nearest 5% standard resistance value 2−5063
binary images encoding using DF algorithm 2−26109
cubic equation roots, using iterative algorithm for HP-25 calculator *(Czech)* 2−169
large LP testing routines 2−8641
matrix inverse approximation, iterative refinement, ALGOL procedures 2−24249
ordered elimination algorithms for network calculations *(Polish)* 2−22813
principal components analysis, APL functions 2−24222
structural stiffness matrix equations, resumable segment computerised solutions in FORTRAN 2−13655

subsets (mathematics) *see set theory*

substations
see also rectifier substations; switching substations; transformer substations
110 to 400 kV substations, earthing voltage meas. *(Finnish)* 2−17778
500 kV substation lightning damage investigation 2−7573
automation and control in electrical substations 2−4303
design, for electrical switchboards installation *(Italian)* 2−23950
developments in rectifier equipment for railway traction substations 2−28000
extended shields on substations of 400 kW and above 2−18300
feasibility sets for steady-state loads in electric power networks 2−22880
grounding, practical approach to safety 2−3784
industrial power supply, interruption-free *(Russian)* 2−27985
LV plants of the German Post, determ. of spare part requirements *(German)* 2−28047
outdoor plant contaminated insulator layer conductivity measurement *(German)* 2−27551
railway contact network voltage monitoring during faults, use of transducer *(Russian)* 2−26816
railways, electrical energy supply to railways *(French)* 2−23695
traction, unattended, automatic control 2−8043

substrates
see also semiconductor device manufacture
broadband fin-line mixer for mm-waves, material and cct. evaluation 2−938
ceramic, thick film and thin film, environmental testing when attached to ceramic chip carriers 2−5797
ceramic for socketable packaging for high-power LSI devices in high-speed computers 2−24003
circular disk resonators on ferrite substrate 2−24660
electrical modules substrate containing semiconductor chips 2−98
electrographic paper, electrical characteristics 2−21053

substrates continued
fin-line filters, low-insertion loss, design 2−24700
fine-line metallised ceramics, process improvement 2−24841
flexible circuits using a polyimide film substrate 2−19937
GANG bonding, process and accelerated aging test for gold-plated tape automated bonding outer leads 2−1079
high-speed thermal printing head and its temperature control 2−19988
IC memory modules, placement in same substrate area 2−23996
inhomogeneous broadside-coupled striplines employing anisotropic substrates, anal. 2−19832
microstrip lines on anisotropic substrates, hybrid mode anal. 2−24641
microstrip on magnetised ferrite-substrate, meas. of dispersion charcts. *(German)* 2−24650
multi-chip modulues, pin substrate 2−100
multilayer ceramic substrates fabrication, electrical test method 2−18978
nonimpact printing, high density conductive addressing circuits fabrication 2−19991
parylene adhesion, to various substrate materials, the effect of plasma pretreatment 2−8850
PCB materials, procelain enamel substrates 2−5445
PCBs, high density, photochemical image formation process 2−1027
pin-attachment technique and structure 2−5499
pins and substrates attaching method 2−102
polymer thick-film technology, circuit board fabrication 2−24836
porcelain coated metal substrates, for electronic circuitry 2−19938
porcelain enamelled steel PC boards, finite elements anal. of stresses and thermal flow 2−1041
porcelain-coated-steel electronic substrates, composition and props. 2−5487
porcelain-enameled steel printed wiring boards 2−19956
porcelain-enamelled PCBs, manufacturing steps in production 2−1038
porcelainized-steel-substrate hybrid cct. module, design, construction and evaluation 2−5496
RCA porcelain coated coated steel substrates for thick film hybrid ccts., optimisation 2−5488
RCA porcelain-coated steel substrates, characterisation of thick-film compositions 2−5489
RCA porcelain-coated steel substrates, fabrication of large-area thick-film hybrid ccts. 2−5490
RCA porcelain-enamelled steel substrates, elec. props., review 2−1039
RCA porcelain-enamelled-steel substrates, mechanical props. 2−1040
RT/duroid for microstrip 3dB hybrid coupler with low-permitt. dielec. substrate for MM-waves, material and cct. evaluation 2−919
sapphire for Si film, implanted, annealed, dislocations, twins 2−14798
semiconductor module, method of fabrication using transverse via technology 2−1047
semiconductor packages, brazing preform 2−19002
semiconductor packages, recessed ceramic flattening tile 2−19001
surface mounted component substrates, VLSI device packages and surface attachment methods 2−19932
thick film hybrid ICs, substrate carrier system development 2−1074
thick film technology, diverse substrates *(Italian)* 2−5484
thick-film resistors screen printed on ceramic-coated steel substrates 2−1061
thin film module pacakge, 45 degree wiring layers for chips mounted on ceramic substrate 2−4659
wire ribbon dispensing tool, used for dispensing wire on substrate 2−19910
Al_2O_3 for thick film resistors, multilayer, processing considerations 2−24731
Al_2O_3 with thick film Au conductor pastes for high density ccts. 2−24830
p-CdTe, covered with dielec. films, annealing effects, diffusion phenomena and carrier conc. *(Japanese)* 2−20147
CrCuCr metallised ceramic substrates, for application of cermet resistors 2−24828
(Ga,In)As alloys, on InAs substrates, substrate instability during LPE growth 2−577
GaAS substrate for cross-tie slow-wave coplanar waveguide 2−19834
GaAs, for microwave isolators and phase shifters 2−24688
GaAs substrate, dislocation behaviour during LPE of $Ga_xAl_{1-x}As$ 2−565
GaAs substrate, semi-insulating, effect of Cr-doping on device quality 2−24295
GaAs substrates, Cr, Si, Mn, and Fe distrib. after annealing with and without SiO_2 encapsulant 2−14765
p-GaAs substrates, modulated barrier photodiode grown by MBE 2−10147
GaP substrates, LEC, microdefects study by TEM and etching 2−24960
$Gd_{2.9}Sc_{2.1}Al_3O_{12}$, pure and Nd^{3+} doped Bridgman-Stockburger growth of single crysts. 2−20488
$LiNbO_3$ substrate, for integrated optical data preprocessor, 16-channel, fabrication details 2−25538
$LiNbO_3$ used in SAW devices, effects of ferroelec. domains on surface struct. 2−15058
Ni resistors, electroless-plated on insulated metal substrate technology for power hybrid ICs 2−1073
Si crystal, 1 micron processing for MOS VLSI storage devices *(Japanese)* 2−25349
Si, Czochralski grown, O impurity influence on MOS device performance *(Japanese)* 2−9737
Si, metallurgical grade, substrate for epitaxial thin film solar cells, by heat exchanger method 2−23643
Si substrate for Mo-Re alloy films, interdiffusion obs. 2−5704
Si substrates, numerical anal. of minority carrier lifetime, contactless meas. technique *(Japanese)* 2−9409
Si-on-ceramic substrate fabrication using Si-coating-by-inverted meniscus process, solar cell appl. 2−23569
Si_3N_4, Si_3N_4/SiO_2 substrate material effect on CW laser annealing of polysilicon films 2−5690
SiO_2 substrate material effect on CW laser annealing of polysilicon films 2−5690

subsynchronous reluctance motors *see reluctance motors*

sudden commencement *see magnetic storms*

summing circuits
see also adders
analogue information processing, module units *(German)* 2−5131

Sun
see also solar .....
sub-mm heterodyne observations 2−21890

sunlight
see also atmospheric optics
energy system CAD *(Dutch)* 2−27819
insolation measurement at the University of Nigeria using CdS photoresistor 2−17184
irradiation on inclined surfaces, predeterm. for different European centres 2−7437
microprocessor-based solar data acquisition system 2−22726
photovoltaic modules natural sunlight accelerated weathering using SuperMaq 2−18507
pyranometer operation and routine calibration 2−7436
solar survey instruments, procedures and pitfalls 2−22313
spectral irradiance, meas. at Tanashi, Tokyo, Japan *(Japanese)* 2−10511
Si solar cell arrays, performance evaluation in Sanaa, Yemen 2−23436

sunshine *see sunlight*

sunspots
see also solar activity
No entries

superconducting cables
algorithm for load protection of superconducting cable 2−12261
alternating field losses determ., power meas. device *(German)* 2−7587
bundle conductor, press. drop. heat transfer, critical energy meas. 2−3759
cooldown, temp. fields calc. 2−3758
cooling channel, long distance, temp. control using microcomputer 2−3757
coupling losses in finite length cables 2−3760
cryo-resistive cable with N_2 insulation 2−27523
cryogenic liquid/gas transport between installations at different elec. pots. 2−27522
cryogenic power transmission lines, counterflow cooldown 2−17742
current sharing between insulated strands 2−5973
electrical losses in superconducting cable with split current conductor 2−12260
EURATOM coil, quench induced He flow and recovery in superconducting cable 2−1645
internally cooled cabled superconductors, transient cooling, stability 2−7553
magnetic refrigeration prototype tests for superconducting technological appls. in power generation and transmission 2−17744
medium current, multifilamentary compound wires, design, construction and characts. 2−27521
packing factor of 'Rutherford' supercond. cable *(Chinese)* 2−12258
partial discharges in cavities in supercritical He impregnated insulation 2−27524
particle accelerator, pulsed magnet supercond. cable *(Chinese)* 2−12257
power, development in USSR *(German)* 2−12259
power transmission lines, expts. 2−12256
switchgear for superconducting AC transmission systems voltages up to 35 kV *(Russian)* 2−7953
transient stability, against thermal disturbance 2−7551
Nb noble metal clad wires, proximity effect model 2−20557
Nb-Ti superconducting cable, multistrand, monolithic terminations 2−7556
Nb_3Sn, 23 strand multifilamentary Rutheford type cable, losses 2−7554
Nb_3Sn cable-in-conduit force-cooled superconductor, stability meas. 2−5976
Nb_3Sn conductors as AC transmission cables, props. 2−9896
Nb_3Sn multifilamentary conductors, bending, tensile stress effect on critical currents 2−7555
Nb_3Sn multifilamentary wire, fabrication for DC power transmission lines 2−9901
Nb_3Sn superconducting cable, internally cooled, performance in solenoid 2−5974
Nb_3Sn superconducting cable, multistrand, monolithic terminations 2−7556
Nb_3Sn superconducting tape, AC losses and stabilization 2−5933
NbTi, 23 strand multifilamentary Rutheford type cable, losses 2−7554
NbTi, multifilamentary, AC losses in pulsed mag. fields 2−17743

superconducting critical field
amorphous alloys, supercond. props., review 2−15239
Cu-V_3Ga composites, in situ prep., supercond. and mech. props. 2−9905
$DyMo_6S_8$, antiferromag. supercond., mag. order effect on H_{c2} 2−9888
$GdMo_6S_8$, antiferromag. supercond., mag. order effect on H_{c2} 2−9888
$(Nb,Ta)_3Sn$ multifilamentary wires, bronze process fabrication, supercond. props. 2−9899
Nb-Hf/Cu-Sn-Ga, multifilamentary supercond., crit. current, strain effects 2−9886
Nb-Ti alloy, superconductors, present status and pot. for improvement 2−9890
Nb-Ti-Ta(Hf), supercond. crit. field, H_{c2}, enhancement by alloy additions 2−9902
Nb_3Ge, thin film, disorder and upper critical field 2−1596
Nb_3Sn/Nb-Ti composite-processed superconductor, high field props. 2−9882
$PbMo_6S_8$ wires, critical current density, critical field 2−9908
Sn cylindrical Josephson junctions 2−15258
$TbMo_6S_8$, antiferromag. supercond., mag. order effect on H_{c2} 2−9888

superconducting critical temperature *see superconducting transition temperature*

superconducting devices
see also cryotrons
AC generator, quench simulation 2−4027
cathode, energy distribs. of field emission electron beams *(Japanese)* 2−5505
cavities, stabilisation of tunnel diode oscillators 2−19585
chopper, manufacturing technology and characteristics *(Chinese)* 2−20606
chopper amplifier, small voltage meas. *(Japanese)* 2−3238
conference, Chicago, USA (Nov. 1980) 2−8158
criteria for thermal stabilization of superconducting devices 2−25467
cylindrical supercond. EM suspension, parameters calc. 2−18686
ground plane insulation failure in the first TPC superconducting coil 2−5947
gyrocon, superconducting for high gain and efficiency 2−5508
gyroscope, cryogenic gas spin-up system 2−20607
HV power generation, superconducting magnetic energy storage system characts. 2−12572
KEK superconducting solenoid and its cooling system for pulsed muon channel 2−7267
large low aspect ratio energy storage supercond. solenoids, conceptual design 2−4381

superconducting devices continued
magnetic refrigeration prototype tests for superconducting technological appls. in power generation and transmission 2−17744
magnetic suspension devices using superconducting transformers *(Russian)* 2−20550
magnetic system with spherical coils of finite thickness 2−25468
multipole magnet separator, simple theory 2−5980
picosecond optical auto-correlation technique using a superconducting switch 2−9960
power system magnetic energy storage system charcts. 2−12573
rectifier, control by microcomputer 2−1672
shielded pulsed superconductive energy storage, first model 2−4383
solenoid, laboratory scale with multifilamentary Nb_3Sn superconductors 2−2099
theoretical principles, book 2−14
thermally switched 9 kA superconducting rectifier fluxpump 2−1673
Vivaldi antenna/fin-line cct. for supercond.-insulator-supercond. mixers 2−21235
X- and γ-ray imaging devices 2−7279
Nb, elliptically shaped RF cavities, expt. and theoretical results 2−11707
V_3Ga, tape, superconducting shielding tube test 2−2163

superconducting energy gap
metallic weak links, heating and dynamic enhancement 2−20603
Nb point contact, microwave induced gap structs. 2−1613
Nb-NbO_x-Pb, tunnel junctions, Nb energy gap and critical currents, temp. depend., base electrode annealing effects 2−20569
Pb-PbO-Pb Josephson junction, negative resist. switching 2−20570

superconducting junction devices
100 nm Josephson microbridges, high-resolution fabrication 2−9918
A/D converters, design limitations 2−19740
AC SQUID, sensitivity anal. 2−25463
current-injection logic device, high tolerance, 3-Josephson junction 2−19627
DC Josephson current/ in cylindrical junctions/ 2−1618
DC Josephson flip-flop circuit 2−15250
DC SQUID, pair-quasiparticle interference obs. method, LC resonance charact. asymmetry 2−1623
DC SQUID, thermal activation model 2−25462
DC-SQUID, meta-stable states, mean lifetimes, I-V charcts. of device 2−25464
direct coupled OR gate for Josephson circuitry, good noise immunity 2−786
double junction SQUID, mag. flux behaviour 2−25452
down conversion at a Josephson contact for large intermediate frequencies 2−780
fabrication techniques for supercond. submicron switches 2−15242
high speed adder using Josephson elements 2−19752
hysteretic Josephson junction, time-dependent dissipative steady states fluctuations and transition rates 2−25458
integrated digital circuits with Josephson junctions, review 2−15270
interferometer, design 2−5939
Josephson circuits, AC regulation 2−15252
Josephson circuits, dwell-time technique for AC power supply 2−9077
Josephson circuits, program counters 2−9130
Josephson circuits, reduction of trapped magnetic flux in a superconducting groundplane 2−15251
Josephson contacts, wideband detector and mixer appl., EHF 8-mm range *(Bulgarian)* 2−1606
Josephson current injection logic, self-gating AND as long-line receiver 2−9074
Josephson current injection logic IC, for high performance data processing 2−24492
Josephson devices for computer applications *(Japanese)* 2−20566
Josephson digital circuits, review of future cryogenic technology 2−25457
Josephson edge junction interferometer, fabrication 2−15245
Josephson edge-junction devices using E-beam lithography 2−9921
Josephson effect, AC, in hysteretic junctions, range and stability of phase lock 2−1609
Josephson functions, coherent transient effects 2−15264
Josephson ground plane edge junction regulator 2−9925
Josephson heterodyne sub MM wave detector at high thermal background levels 2−24702
Josephson interferometer, current injection, with mag. input signal coupling 2−9924
Josephson interferometer, threshold characteristics 2−20561
Josephson interferometer circuits, testing 2−5203
Josephson interferometer RAM cell, nondestructive read-out single flux quantum 2−20560
Josephson junction, current driven, microwave induced steps, thermal fluctuations and transition rates 2−20586
Josephson junction, long, fluxon propag. 2−20589
Josephson junction, macroscopic quantum tunnelling and dissipation 2−20579
Josephson junction, photosensitive, with hydrogenated amorphous Si barrier 2−15256
Josephson junction, properties, structure, basic ccts. *(Italian)* 2−9916
Josephson junction, radiation linewidth anomalies 2−20587
Josephson junction, RF biased, chaotic states 2−9932
Josephson junction, simple electronic analog 2−9909
Josephson junction, voltage fluctuations, microscopic theory 2−20585
Josephson junction computer *(Japanese)* 2−9941
Josephson junction distributed steps in I-V charcts. 2−5941
Josephson junction high-speed low-power circuits 2−25456
Josephson junction mixer without matching devices in the 8 mm band *(Chinese)* 2−9220
Josephson junction model, phase-plane anal. 2−20558
Josephson junction noise thermometer, elec. impedance, math. model 2−25450
Josephson junction noise thermometer, impedance modelling 2−9940
Josephson junction oscillators, perturbed sine-Gordon eqn., mech. analogue studies 2−15267
Josephson junction processor, optical I/O subsystem 2−15246
Josephson junction quasiparticle injector/extractor pulse generator 2−5146
Josephson junction technology and appls. to computers and processor systems *(Italian)* 2−9915
Josephson junction technology for LSI appls. 2−5938
Josephson junction with direct cond., steady-state props., kinetic inductance *(Russian)* 2−15243

superconducting junction devices continued
Josephson junctions, barrier uniformity, crt. supercurrent mag. field depend. study 2−20605
Josephson junctions, dissimilar, in resonant cavity, voltage locking 2−1614
Josephson junctions, long, Fiske steps, dynamic fluxon model 2−20590
Josephson junctions, quantum noise effects at 100 GHz, meas. and theory 2−24722
Josephson junctions, small-area high-current density, zero-voltage state, decay 2−1621
Josephson junctions, ultrasmall tunnelling charcts. 2−15257
Josephson junctions, weakly coupled, thermal fluctuations and phase locking 2−9911
Josephson latching logic circuits, timing circuit 2−15249
Josephson line, fluxon reflection from perturbative point of view 2−20568
Josephson logic ccts., regulated power supply with adjustable dwell 2−9079
Josephson logic circuits, long-line receiver 2−5195
Josephson logic circuits, provision of third harmonic waveform 2−9076
Josephson logic gate, current injection, with high gain 2−5936
Josephson logic technology, RUN-SCAN synch. cct. 2−787
Josephson long-line receiver 2−5196
Josephson non-latching logic circuits, resonance amplitude control 2−5198
Josephson point contact junction, mixer for far IR heterodyne detector 2−7102
Josephson radiators, two coupled, coherence and linewidth 2−15261
Josephson ROM, high density 2−9097
Josephson ROM, near ideal coupling element 2−5228
Josephson sandwiches with Bi interlayer *(Russian)* 2−9917
Josephson self-gating AND cct. 2−9075
Josephson self-gating AND circuit 2−5199
Josephson star driver, fast, compact 2−5197
Josephson steps produced by optical beams 2−1608
Josephson subharmonic relax. oscillator, amplification and locking 2−1605
Josephson superconducting point contact, current noise 2−25453
Josephson switch, compact three terminal 2−9928
Josephson technology, engineering change wiring modifications 2−15247
Josephson technology package, assembly and retention of comp. parts 2−15248
Josephson technology system level experiment for supercond. computer 2−9929
Josephson three-junction interferometer as nonlinear logic gate 2−5160
Josephson transmission line, pulse response props. and appl. to logic circuits 2−14074
Josephson transmission lines, soliton amplifiers and picosecond pulsers 2−14038
Josephson tunnel junction, current-voltage curve simulation for finite capacitance 2−1611
Josephson tunnel junction, large, fabrication and eval. *(Japanese)* 2−9937
Josephson tunnel junction, resistively shunted, obs. of zero point fluctuations 2−9938
Josephson tunnel junction amplifier low noise self-pumped, parametric amplification props. 2−5348
Josephson tunnel junctions, intermediate length, fluxon dynamics 2−20588
Josephson tunnel junctions, nonhysteretic, microwave direct and heterodyne detect. 2−9930
Josephson tunnel junctions for ICs, reproducible current density 2−9927
Josephson vortex flow device 2−1603
logic devices, high-speed, for superpower computer, current trends *(Japanese)* 2−9088
logic family, MAIL, magnetically-coupled asymmetric interferometer logic 2−19643
lumped inductance effects of superconducting cct. interconnections on /ultrafast switching signal propag. charcts. 2−19623
magnetic susceptibility measurements using biomedical SQUID system 2−22369
magnetometer, using Nb thin-film microbridge, biomagnetic appl. 2−17016
metallic weak links, heating and dynamic enhancement 2−20603
microbridge, resonantly coupled, Josephson radiation linewidth, regenerative feedback narrowing 2−15265
microbridges, Josephson behavior, nonequilibrium theory, review 2−20596
MIMD with contact area less than $10^{-11}cm^2$ for Josephson and room temp. appls. 2−1377
MM wave detector and mixer technology 2−24462
picosecond sampling techniques using superconducting switches 2−14348
planar antenna-coupled supercond.-insulator-supercond. devices for detect. and mixing above 100 GHz 2−20600
point contact in resonator, Josephson nonlinearity, freq. synthesis from microwave to optical range 2−1629
projection photolithography-liftoff techniques for production of 0.2-μm metal patterns 2−9919
quantum noise limited detection in tunneling devices at millimeter wavelengths 2−25459
quasiparticle heterodyne mixers, large gain, negative resist., and oscills. 2−5937
research activities at Electrotechnical Institute, Slovak Acad. of Sciences, review 2−9881
resistively-shunted Josephson junction, thermal noise theory in quantum limit, DC SQUID appls. 2−25461
resonant small-junction Josephson circuit, characteristic modes and transition to chaos 2−20597
RF SQUIDs, dynamic and fluctuational parameters 2−1624
small area Josephson tunnel junctions, high resolution techniques for fabrication 2−9920
SQUID, AC, collective quantum tunnelling, ultimate sensitivity 2−15253
SQUID, DC, anomalous behaviour of I-V charcts. 2−15259
SQUID, DC, current noise, thermal activation model 2−20580
SQUID, DC, dynamics, characteristic times, current-voltage characteristics 2−20562
SQUID, DC, near quantum noise limit 2−20581
SQUID, flat DC thin film, appl. and technique for biomag. meas. 2−11895
SQUID, macroscopic quantum tunnelling and dissipation 2−20579
SQUID, quantum flux entry, and including self-coupling mech. in SIS tunnel junctions 2−15262
SQUID, real time dynamics study using high resolution cryogenic sampler 2−20583
SQUID, resistive, with large crit. current, Josephson oscillation 2−9935
SQUID, RF, fine struct. of voltage levels in I-V charcts. 2−9913

superconducting junction devices continued
SQUID, RF, voltage-current and signal charact. 2−15260
SQUID, signal characteristics 2−1625
SQUID, single-contact, in hysteresis operation, input impedance 2−25454
SQUID, toroidal point-contact DC 2−20584
SQUID, use in gravitational wave detection expts. *(Italian)* 2−3117
SQUID magnetometer, 7-channel, for brain research 2−22531
SQUID magnetometer, curious behaviour of superconducting thin films *(Japanese)* 2−5942
SQUID magnetometer detection of magnetocardiogram, clinical magnetocardiology approach *(Japanese)* 2−11901
SQUID magnetometer using ^{3}He, performance limits and appl. 2−16962
SQUID sensor, multihole, high performance 2−20595
SQUID signal to noise ratio, limiting charact. 2−1626
SQUID susceptometry, return-flux corrections 2−7196
SQUID system, multielement RF, applic. to mag. vector gradiometer 2−25449
SQUIDs, DC, mutually inductive-coupled strong interaction phenomena 2−20582
SQUIDs, DC tunnel, critical current versus magnetic flux characteristics 2−1622
SQUIDs, non-hysteretic, multiple-valued solns. 2−15263
SQUIDs, quantum tunnelling and thermal noise 2−25460
SQUIDS, RF, optimum matching for high source resistances 2−20594
subharmonically pumped mixing with gain using superconductor-insulator-superconductor junctions, theory 2−1604
supercond.-insulator-supercond. junction array mixers, conversion efficiency and noise meas. 2−20601
superconducting bridge, short variable-thickness, vortex flow regime 2−5940
superconductor-insulator-supercond. microbridges, fabrication, elec. props. and modelling 2−25451
superconductor-insulator-superconductor mixer, 115 GHz, infinite available gain 2−20593
superconductor-insulator-superconductor mixers, large conversion efficiency and dynamic range 2−20591
superconductor-insulator-superconductor mixers, negative resist. and conversion gain 2−20592
superconductor-insulator-superconductor mixing with arrays at millimeter-wave frequencies 2−9933
thermal activation model for noise in the DC SQUID 2−1615
thermometric fixed point device, SRM 767 *(Japanese)* 2−1627
thermometric fixed point device, SRM 768 *(Japanese)* 2−1628
thin film transformer-coupled supercond. tunnel junctions, EM props. 2−9931
thin-film microbridge, small-signal microwave impedance meas. 2−1616
three Josephson junction direction coupled isolation device 2−24482
tunnel junction, low β_c, with magnetically suppressed crit. currents, I-V charact. 2−1612
UHF SQUID magnetometer, at 4.2K, miniaturised and AC-biased 2−16926
ultra-fast computing at low temps., using superconducting junctions 2−1607
weak link, basic model 2−1619
weak link static arrays, unsteady nonequilib. phenomena, I-V curves *(Russian)* 2−20559
weak links, quasiparticle induced coupling effects 2−5935
weak links, short range interactions 2−20604
weak links, voltage locking via impedance coupling 2−1610
weak-link system, EM wave stimulated emission feasibility 2−25763
$Er_{0.58}Ho_{0.42}Rh_4B_4$-Nb oxide-Nb point contact junction, temp. depend. of Josephson current 2−1617
GaAs-Nb, super-Schottky contact, electrical characteristics 2−1630
Nb bridges, variable thickness, coherent effects 2−15254
Nb microbridges, fluctuation induced transition between superconducting and dissipative states 2−15241
Nb point contact, microwave induced gap structs. 2−1613
Nb point contacts, AC Josephson effect above voltage 2−20578
Nb, reactive ion etching, electrodes for Josephson ccts. and microbridges 2−20564
Nb thin film microbridges, I-V charact., thermal effects 2−9936
Nb weak-link Josephson single-flux-quantum logic circuits 2−9910
Nb-amorphous Si-Nb Josephson digital devices, upset events under α-particle irradiation 2−15244
Nb-Au(Cu)-Nb microbridges, fabrication, elec. props. and modelling 2−25451
Nb-Nb_2O_5 Josephson junctions, minimisation of excess sub-gap currents 2−9926
Nb-Nb_xO_y-Pb Josephson tunnel junction, structural anal., for voltage standard 2−5943
Nb-Nb_xO_y-Pb(In) Josephson contacts, prod. by sputtering in low power HF discharge 2−24322
Nb-NbO_x-Pb, tunnel junctions, Nb energy gap and critical currents, temp. depend., base electrode annealing effects 2−20569
Nb-NbO_x-PbIn Josephson edge junction, specific capacitance 2−20575
Nb-Pb, Josephson tunnel junctions, long, zero-field steps, temp. depend. 2−20573
Nb_3Sn/Cu/Nb_3Sn, high transition temp. supercond.-normal supercond. microbridge 2−15266
Pb and Pb-alloy Josephson junctions, surface obs. and failure cause 2−15255
Pb Josephson junction, energy gaps and crit. current, quasiparticle injection effects 2−20576
Pb thin film microbridge Josephson device, response under microwave and MM wave radiations 2−20598
Pb/In-oxide-Pb(Bi) quasiparticle tunnel junctions for MM-wave detection 2−20602
Pb-PbO_x-Pb, long Josephson tunnel junctions, vortex vel. from microwave induced DC voltage 2−20563
Pb-PbO-Pb Josephson junction, negative resist. switching 2−20570
Si coupled Josephson junctions and super-Schottky diodes with coplanar electrodes 2−9922
Sn microbridges, fluctuation induced transition between superconducting and dissipative states 2−15241
Sn, superconducting microbridges, dielec. discharge fabricated, crit., excess and enhanced currents 2−20574
Sn-SnO_2-Sn junction, quasiparticle harmonic mixing 2−20599
Sn-SnO_x-Sn, long Josephson tunnel junctions, resistive branches, step struct. 2−20571
superconducting junction devices continued
V-V_xO_y-Pb tunnel junctions, max. Josephson current, temp. depend. 2−20565
V-V_xO_y-Pb(CdS-In) Josephson junction, max. supercurrent, temp. depend. 2−20577

superconducting lenses *see magnetic lenses*

superconducting machines
6 MVA superconducting generator, features and economic advantages *(Japanese)* 2−12594
10 MVA AC generator, HV armature insulation system 2−5981
300 MVA superconducting generator, prototype development progress 2−18186
AC, magnetic field calc. 2−7833
AC generator, digital simulation 2−7834
AC generator, transient currents calc. 2−4075
alternators, equivalent circuit model 2−4077
alternators, magnetic fields calc. 2−4076
condition for torque compensation of a superconducting excitation winding in high-power slow-running motors *(Russian)* 2−27892
cryoturbogenerator rotor shells, EM forces and losses, two-dimens. model 2−18159
cryoturbogenerator windings, cooled by thermosiphon method, optimum parameter choice 2−18160
generator, AC, self-regulating transfer modes of liq. He to rotor 2−4020
generator, performance anal. 2−4078
generator, transient behaviour 2−4080
generators, magnetic fields calc. 2−4074
generators, transient behaviour 2−4079
helical windings with 120 degree phase bands, mag. fields and inductances determ. 2−4024
influence of axial stray-fields on the performance of superconducting machines with high pole numbers 2−7832
large superconducting generator development benefits for utilities 2−18210
linear motor for power appl., limits 2−12668
magnetic field and transients calc., conf. at Athens, Greece, 1980 2−23240
multifilamentary Roebel bars, power losses 2−4028
synchronous generators, superconducting, transient charact. determ. 2−27895
turbogenerators with superconducting excitation windings, construction and charact. *(German)* 2−27862
two-dimensional winding models for the calculation of magnetic fields in superconducting turbogenerators 2−23271
Nb_3Sn field coils for rotating supercond. machine 2−5958

superconducting magnets
see also superconducting machines
1 MWh superconductive magnetic energy storage 2−4382
30 MJ superconducting magnetic energy storage for BPA transmission line stabilizer 2−7552
50 Hz rotating superconducting magnet for screening studies 2−1651
AC loss measurement, calorimetric method *(Chinese)* 2−9944
AC loss measurement, double integration method 2−5968
AC loss measurement at low frequency *(Chinese)* 2−11578
AC losses, review 2−1662
acoustic emission and its diagnostic potential 2−9959
acoustic emission as diagnostic tool 2−1643
ASDEX mag. field coil systems, operational experience 2−1634
Bitter magnet system 13T.−125 mm. bore usable for investigations at 1.8K 2−5949
braided superconductor, microslip induced degradation 2−9943
Chinese developments 2−5946
Clarendon Laboratory, high field facilities 2−78
closed magnet system for Kristall-2 torsatron, cooling problems 2−5954
Cluster Test Facility for superconducting Tokamak toroidal coils 2−77
coil materials, mechanical properties, influence on prestress 2−1668
coil system for fusion reactors, NbTeTa superconductor, Nb_3Sn conductor, coil stabilization *(Japanese)* 2−12378
composite materials, technology frontiers 2−1669
composite superconductors, energy losses at transverse mag. field pulse 2−1663
conductor tests for Tore Supra mag. under working conditions 2−1653
conference, Chicago, USA (nov. 1980) 2−8158
conference, Hakone, Japan (Sept. 1980) 2−13151
contemporary and future applications 2−9952
continuous high mag. field generation using water-cooled and hybrid magnets 2−15279
cooling channel, long distance, temp. control using microcomputer 2−3757
cryomagnetic system, 10 tesla, for neutron scatt. meas. 2−25466
current leads, effect of coolant loss 2−9950
design problems, stabilisation and protection 2−5945
EBT-R magnet system concept 2−1635
electromagnetoelastic buckling on three-coil superconducting partial torus *(Japanese)* 2−5972
electron lenses for HV microscopes 2−2088
end field multipoles, orbit effects 2−25465
energiser, high current, low voltage 2−5971
energy storage magnets, design configurations 2−9956
energy-removal nonlinear resistance anal. *(Chinese)* 2−9948
EURATOM coil, quench induced He flow and recovery in superconducting cable 2−1645
EURATOM coil, structural anal. for Large Coil Task 2−1644
European LCT coil, conductor tests 2−1665
fabrication experiences for Coal Fired Flow Facility MHD magnet 2−1649
field homogeneity and stabilisation, for electrographic camera *(Chinese)* 2−9946
filamentary A15 superconductors, developments in Japan, review 2−5918
filamentary A15 superconductors, developments in the UK, review 2−5920
Football test coil simulation of internally cooled cabled superconductor 2−1655
Francis Bitter National Magnet Laboratory, USA, cryogenic research facilities 2−15272
fusion reactor magnet system, pot. failure and hazards 2−1631
fusion reactor magnets, European coil for Large Coil Task 2−1640
gas cooled 10 kA current lead, design and test 2−1641
Giperon superconducting magnet, construction and test results 2−15275
harmonic measurements in high energy accelerator magnets 2−3327

superconducting magnets continued
high energy accelerator appl. 2−3331
High Field Test Facility at Lawrence Livermore 2−76
high-current, problems and prospects, book contrib. 2−15278
highly homogeneous superconducting magnet for photocathode pattern transfer system 2−5959
hybrid water-cooled and superconducting magnets development for fusion reactors *(Japanese)* 2−1671
INTOR toroidal field coil design studies 2−1636
Isabelle magnet tubes, choice of steel, low temp. mech. props. 2−11722
ISR low-β quadrupoles, protection and monitoring 2−3329
ISR superconducting quadrupoles, mag. meas. 2−7265
JET toroidal field coils, manufacture 2−1633
laboratory magnet series development 2−5961
large, appl. in particle physics, fusion research and magnetohydrodynamics *(French)* 2−15277
large format electro-camera research mag. system 2−5960
loss measurement *(Chinese)* 2−9947
MAGHILL program to compute saturated iron insert fields 2−3342
magnetic balance, with superconducting magnet and pair of gradient coils *(Japanese)* 2−11597
magnetic energy storage for diurnal use by electric utilities 2−23653
magnetic field design for a high energy physics detector 2−7286
magnetic fusion reactors, stress analysis of constituent superconducting magnets 2−9954
magnetic separator reciprocating canister for Fe and K level reduction in kaolin slurry 2−25917
magnetoelastic instabilities in superconducting structures and Earnshaw's theorem 2−9957
manufacturing developments 2−1652
MHD conversion, testing facilities 2−5979
MHD magnet, mechanical properties of superstructure materials 2−1666
MHD power generation status 2−5978
Mirror Fusion Test Facility, mechanical behaviour of the superconducting magnet coils 2−9955
multifilamentary, hysteresis losses in superimposed DC and AC mag. fields 2−9884
multifilamentary A15 superconductors, development at Airco (USA) 2−9889
multifilamentary A15 superconductors, developments in Germany, review 2−5919
multifilamentary compound superconductors, development, review 2−5925
multipole magnet separator, simple theory 2−5980
Nb-Ti superconducting composite magnet with high field homogeneity *(Chinese)* 2−9945
particle accelerator, pulsed magnet supercond. cable *(Chinese)* 2−12257
plug and socket, 100 A, for use at liq. He temp. 2−19920
potted, cooldown strain 2−5975
pulse losses and instability 2−5956
pulsed 400 kJ mag., construction and operating characteristics 2−5955
pulsed magnetic fields effect on operation in fusion reactors 2−1657
pulsed solenoid commutated by elec. explosion method 2−9951
quench propagation, coil and protection design, computer program 2−9949
research activities at Electrotechnical Institute, Slovak Acad. of Sciences, review 2−9881
Saclay NN polarised beam target expt., mag. system 2−7266
screens for magnetic suspension, mathematical modelling 2−1647
sector magnet for IPCR separated sector cyclotron 2−7259
short models for ST dipole magnets 2−5948
shorted turns, safety consequences 2−5965
SIB piotron, superconducting magnets for double torus spectrometer 2−7299
solenoid, normal zone propag. vel. 2−15276
solenoids, computation of minimum vol. sixth order 2−5944
solenoids, strain and stress analysis 2−9953
split superconducting solenoid, design and testing 2−1658
steel, austenitic stainless, N strengthened, props., for cryogenic magnet structs. 2−8840
stellarator fusion reactor magnet design 2−1637
strong and ultrastrong mag. field generation 2−15281
structural materials for large superconducting magnets 2−1656
SULTAN−forced flow, high field test facility 2−79
superconducting cable, current sharing between insulated strands 2−5973
superconducting strip, current coil interaction, electrodynamic force calc. *(Russian)* 2−1670
suspension system using supercond. mag. and ferromag. rail 2−1648
suspension systems, levitation characts. calc., review 2−28157
Swiss LCT coil, conductor construction 2−1654
Swiss LCT coil, stress anal. and design 2−1646
thermal expansion of high field magnet materials 2−1667
thermonuclear research magnets, USSR status and trends 2−5970
three-coil superconducting partial torus, finite element analysis of magnetoelastic buckling and expts. 2−9958
Tokamak and mirror fusion devices magnets development 2−15271
Tore Supra Tokamak, superconducting mag., status report 2−5950
toroidal field coils for Tokamak reactor 2−15273
toroidal field magnet development, for fusion reactors 2−1639
tunable pulse generator for calibration of superconducting solenoids by NMR method 2−14018
United States superconducting MHD magnet technology development program 2−5957
very short cycle loss measurement by microcomputer 2−3241
wet winding technique with ceramic material for superconducting mag. construction 2−18988
wiggler magnet, ST, for storage ring, design, construction, testing 2−22463
windings, epoxy-impregnated, training mechanism 2−5977
WITAMIR-I fusion reactor magnet system 2−5953
ZEPHYR poloidal field coils 2−5951
ZEPHYR tape wound toroidal field mag. concept, stress anal. 2−15274
Nb 500 MHz supercond. cavity, expts. at CERN 2−17204
Nb-Ti/Cu composite superconductor, formvar coated, supercond. recovery from postquench conditions 2−5934
Nb_3Sn cable-in-conduit force-cooled superconductor, stability meas. 2−5976
Nb_3Sn composite supercond., cooled by normal and superfluid He, stability 2−15237
Nb_3Sn composite-processed, alloying addition effect on comp., growth rate and supercond. props. 2−9883
Nb_3Sn, high field magnet fabrication 2−15280
superconducting magnets continued
Nb_3Sn multifilamentary conductors, H effects on current density 2−1632
Nb_3Sn multifilamentary conductors, Al, Cu stabilised, heat pulses effects 2−5969
Nb_3Sn multifilamentary superconductor, strain-scaling law, uniaxial and bending strains 2−5926
Nb_3Sn superconducting cable, internally cooled, performance in solenoid 2−5974
Nb_3Sn-Cu filamentary superconducting wire, in situ prep. and props. 2−5928
NbTi, high current superconductor for Swiss LCT fusion coil, AC loss behaviour 2−1664
NbTi, neutron irrad. effects on critical current pinning 2−1638
V_3Ga, high field magnet fabrication 2−15280
V_3Ga multifilamentary tape in Nb-Ti high field mag. 2−5962

superconducting materials
see also composite superconductors; dirty superconductors; magnetic superconductors; superconducting semiconductors; superconducting thin films; type I superconductors; type II superconductors
advances and current problems, review 2−1598
cryogenic engineering materials, conf. Madison, WI, USA (Aug. 1979) 2−8147
electrocalorimetric apparatus for loss meas. in supercond. 2−17001
ion implantation effect on properties, low temp. irradiation equipment for meas. down to 150 mK 2−3355
rotating liq. He transfer coupling 2−23236

superconducting quantum interference devices *see superconducting junction devices*

superconducting semiconductor materials *see superconducting semiconductors*

superconducting semiconductors
IV-VI semiconductors, basic properties, evolving perspectives and unifying characts. 2−9468

superconducting thin films
flux trap, SQUID magnetometer appls. *(Japanese)* 2−5942
kinetic inductance, surface effect 2−9887
microbridge, small-signal microwave impedance meas. 2−1616
two-dimensional superconducting films, vortex noise meas. 2−25448
type II rectangular wires carrying axial current 2−1602
weak link static arrays, unsteady nonequilib. phenomena, I-V curves *(Russian)* 2−20559
Nb superconducting bridge, short variable-thickness, vortex flow regime 2−5940
Nb thin film microbridges, I-V characts., thermal effects 2−9936
Nb-Ge film, prep. and anal. by electron beam co-evaporation *(Chinese)* 2−19432
Nb-Ge films, DC sputtering prep. and struct. rel. to supercond. props. 2−20556
Nb-Ge supercond. film, high Tc, prep. and anal. *(Chinese)* 2−5032
Nb-Nb_xO_y-Pb Josephson tunnel junction, structural anal., for voltage standard 2−5943
Nb_3Ge composite tape conductors, total AC losses 2−20555
Nb_3Ge film, hollow cathode magnetron sputtering on continuous stainless steel tape 2−19433
Nb_3Ge layer, vapour-deposited on stainless steel tape, thermal cond. 2−15236
Nb_3Ge, thin film, disorder and upper critical field 2−1596
NbN superconducting thin film, microwave signal mixer 2−19876
Si:P-Nb Josephson struct., high resistance 2−25455

superconducting transition temperature
A15 compounds, stabilisation of stoichiometric composition, critical temp. 2−1595
A15 compounds and elementary composite superconds., supercond. props. alteration by elastic strain 2−9891
amorphous alloys, supercond. props., review 2−15239
amorphous semiconductors, pressure-induced effects and phase transitions 2−25026
Josephson junction with direct cond., steady-state props., kinetic inductance *(Russian)* 2−15243
weak link static arrays, unsteady nonequilib. phenomena, I-V curves *(Russian)* 2−20559
Cu-Nb_3Sn untwisted composite, AC losses, critical current density 2−9894
$(Nb,Ta)_3Sn$ multifilamentary wires, bronze process fabrication, supercond. props. 2−9899
Nb-Ge films, DC sputtering prep. and struct. rel. to supercond. props. 2−20556
Nb_3-Sn-Nb-bronze composites, supercond. props., stress effects 2−9906
Nb_3Ge film, hollow cathode magnetron sputtering on continuous stainless steel tape 2−19433
Nb_3Ge long tape with T_c above 20K 2−5916
Nb_3Sn, bronze-processed superconductor 2−5917
Nb_3Sn composite-processed, alloying addition effect on comp., growth rate and supercond. props. 2−9883
Nb_3Sn, EM props. calcs. 2−9897
Si:P-Nb Josephson struct., high resistance 2−25455
V-Ga wires and tapes, quench cracking, low-temp. brittleness, transition temp. 2−8842
V_3Ga bronze processed wires, effect on props. of adding In, Zn, Mn 2−5915
V_3Ga-Cu in situ multifilamentary composite, preparation and superconducting props. 2−8845

superconductive tunnelling
see also Josephson effect; proximity effect; superconducting junction devices; tunnelling spectra
junction, low β_c, with magnetically suppressed crit. currents, I-V characts. 2−1612
metallic weak links, heating and dynamic enhancement 2−20603
quantum noise limited detection in tunneling devices at millimeter wavelengths 2−25459
SQUID, AC, collective quantum tunnelling, ultimate sensitivity 2−15253
SQUID, macroscopic quantum tunnelling and dissipation 2−20579
SQUIDs, quantum tunnelling and thermal noise 2−25460
superconductor-insulator-supercond. microbridges, fabrication, elec. props. and modelling 2−25451
thin film transformer-coupled supercond. tunnel junctions, EM props. 2−9931
Nb noble metal clad wires, proximity effect model 2−20557
Nb superconducting bridge, short variable-thickness, vortex flow regime 2−5940

superconductivity
see also BCS theory; coherence length; composite superconductors; critical currents; dirty superconductors; magnetic superconductors; penetration depth (superconductivity); superconducting critical field; superconducting devices; superconducting energy gap; superconducting materials; superconducting transition temperature; superconductive tunnelling; type I superconductors; type II superconductors
devices and circuits, theoretical principles, book 2—14
high-current, problems and prospects, book contrib. 2—15278
semilinear parabolic differential equations 2—508
Al-SiO_2-Si MIS solar cell, elec. and photoelectric props. 2—12872

superconductors *see superconducting materials; superconductivity*

supercooling
$Li_{1-x}Na_xNbO_3$-$SrNb_2O_6$, Czochralski growth, constitutional supercooling and cryst. quality *(Chinese)* 2—19397
magnetic refrigeration prototype tests for superconducting technological appls. in power generation and transmission 2—17744
Si:B(As)(In), pulsed laser annealing, melting phenomena 2—25155

superfluorescence *see superradiance*

superheating *see heat transfer*

superheterodyne receivers
0.2 to 30 MHz, Kenwood double superhet receiver *(German)* 2—11179
adaptive IF equaliser for 90 Mb/s 8-phase DPSK radio system 2—2669
BASIC program for determ. of noise addition products *(German)* 2—21932
FM stereo decoding IC with birdie noise cancelling circuit 2—2893
FM synthesizer-tuner with automatic sender identification, using microcomputer, digital storage *(German)* 2—26614
low-noise digital radio receiver with AGC of single-gate GaAs FET 2—2667
mobile radio-telephone, SAW filter applic. 2—16396
MW and LW battery operated superhet radio construction 2—2915
PE Quasar AM/FM stereo tuner 2—2910
scanning monitor receiver, freq. range 25 MHz to 200 MHz, VHF NBFM communications 2—2914
VHF, IC, direct conversion FM receiver, noise perform. 2—16344

superionic conducting materials
see also ionic conduction in solids; mixed conductivity
batteries, EEC research, review 2—12798
coatings for electrochemical devices 2—18416
electrochemical systems using solid electrolytes, applications *(French German)* 2—28088
evaluation for use in steelmaking 2—16965
fuel cell, NH_3 oxidation to NO 2—18462
hydrocarbon electrocatalytic oxidisation using stabilised zirconia electrolyte employing Au or Pt electrodes 2—12832
materials for advanced battery systems 2—12790
β-phase membrane with oriented conduction plane, ion transport in Na-Na cells 2—18441
rare-earth alkaline-earth cobaltate electrode materials for high-temp. solid electrolyte fuel cells 2—12835
solid fluorides as electrolytes, preliminary studies *(French)* 2—12775
solid-state electrochem. cells, electrode and interface reactions, review 2—12797
use in solid-state galvanic cells 2—18429
β-Al_2O_3-Na_2O ceramics, resist. ageing in Na-S cells 2—18439
β''-Al_2O_3-Na_2O electrolyte-based thermoelec. conversion, Na heat engine 2—18618
BaF_2, use in solid-state galvanic cells 2—18429
$BiO_{0.1}F_{2.8}/Ca_{1-x}Yb_x$ solid-state batteries with alloy anodes 2—7966
CaF_2 solid electrolyte, galvanic cell investigs., 500-900°C 2—11458
CaF_2, use in solid-state galvanic cells 2—18429
$Ca_{0.68}U_{0.02}Ce_{0.3}F_{2.34}$, use in solid-state galvanic cells 2—18429
Cu^+ ion conductive solid electrolyte based solid-state electric-double-layer elements 2—9250
Li/LiI/I_2 (PVP) pacemaker battery, solid electrolyte role 2—12794
Li-Al_2O_3 solid-state secondary battery system 2—12793
Li_2FeS_2, cathodic material for Li secondary battery 2—18444
Li_3N thin film solid electrolytes for electrochromic devices 2—10075
$Li_9N_2Cl_3$ as solid electrolyte for practical battery appls. 2—12784
Na-S battery development, state-of-the-art 2—12788
β-Na_2O-Al_2O_3 solid electrolyte, use in solid electrode in electrochromic display 2—11557
$Na_3Zr_2Si_2PO_{12}$ membrane, cond. in Pyrex cell 2—18443
Sc_2O_3 stabilized ZrO_2 electrocatalytic role in hydrocarbon fuel cell anodic current-overpotential behaviour 2—12837
ZrO_2, F^- treated, O_2 sensor, low temp. performance 2—11469
ZrO_2 galvanic cell O_2 sensor, non-ideal EMF behaviour 2—11456
ZrO_2 solid electrolyte electrochem. cell, energy conversion at high temp. 2—12834
ZrO_2 thin films for solid electrolyte fuel cells by RF sputtering 2—12836
ZrO_2, Y_2O_3 stabilized, complex impedance anal. for development of O_2 sensor 2—11457
ZrO_2-based electrolyte as O_2 sensor for steelmaking 2—11465

superlattices
see also semiconductor superlattices
No entries

superparamagnetism
see also magnetic properties of fine particles
magnetic liquids, mag. props. and appls. 2—15122

superradiance
bidirectional amplification with nonsaturable absorption and amplified spontaneous emission 2—1847
carbon tetrafluoride, CO_2 laser pumped, 615 cm^{-1} superfluorescent emission characts. 2—1865
dye laser, subnanosecond pulse develop. using spiking phenomena and regenerative oscill. effect 2—15467
dye lasers, N_2-laser pumped, amplified spontaneous emission 2—15472
free-electron stimulated laser radiation from single-electron oscills. in mag. wiggler field 2—10186
lethargic gain, optical intensity growth, under mode-locked CO_2 optical pumping conditions 2—1866
semiconductors, hot electron effects in crossed mag. and static microwave elec. fields 2—24909
stimulated Raman scatt., superradiation regime, wave-front registration and reconstruction 2—10362
two-dimensional HALO laser excited by N_2 laser *(Hungarian)* 2—20773
AlGaAs stripe-geometry DH lasers with soft turn-on, extinction ratio 2—20893

superradiance continued
Cd, blue-green atomic laser using CdI_2 photodissociation, 508.6, 480.0 nm laser lines 2—6146
GaAs-GaAlAs stripe laser, proton-isolated, with tilted facet reflectors 2—15512
He-Xe 3.51 μm laser CW amplified spontaneous emission output, orthogonally polarised component intensity fluctuations, anticorrels. 2—1862
Hg blue-green atomic laser using HgI_2 photodissociation, 546.1, 435.8 nm laser lines 2—6146
KrF angular multiplexed 50-kJ laser module for inertial confinement fusion, conceptual design 2—1906
Nd:glass high-peak-power laser systems, book 2—1935
Ne, superradiation characteristics obs. at 614.3 nm in pulsed discharge in capillary 2—25700
Pb vapour laser, IR emission at 3.15 and 7.15 μ 2—20827
Yb-Er glasses, laser-pumped, max. attainable gains 2—6199
Zn, blue-green atomic laser using ZnI_2 photodissociation, 481.1, 472.2 nm laser lines 2—6146

supersaturation control *see chemical variables control*

supersaturation measurement *see chemical variables measurement*

supervisors (programs) *see supervisory and executive programs*

supervisory and executive programs
see also multiprogramming; online operation; time-sharing programs
data networks, operations anal. and error diagnosis *(German)* 2—21595
DIPS 104-02 operating system executive program for data communication *(Japanese)* 2—6586
distributed ATE systems software 2—26763
geographically distributed system monitoring 2—21642
home construction modem, software package 2—10886
interface driving programs 2—9115
network monitoring system 2—26268

supply systems (electric) *see power systems*

supports
see also poles and towers
500 kV transmission line, special footing design 2—12277
HV electric apparatus, optimum screening of support insulation *(Russian)* 2—17754
power transformer core support strips, stray field induced losses and local temp. rises *(Polish)* 2—18298
Space Shuttle, Magnetic suspension isolation [Space Shuttle] 2—17492

suppression wavemeters *see wavemeters*

suppressors (surge) *see surge protection*

surface acoustic wave devices
see also acoustic microwave devices; acoustic parametric devices
375-MHz SAW oscillators in UHF Transit satellite links 2—24432
500 MHz bandwidth guided wave L-band Bragg cell 2—20696
acousto-optic mode converter, ultra-wideband design using SAW and optical guided-wave structs. 2—10099
acoustoelectric SAW devices for signal processing, convolver, memory correlator and coherent integrator 2—1543
acoustoelectronics, bulk/surface wave device technologies, trends and developments 2—20479
analogue matched filters 2—6456
band-pass filter, 30 MHz, design, fabrication and testing 2—1535
band-pass filter, design 2—20476
Bragg modulator driven by RF signal for high-resolution RF spectrum analyser 2—6053
broadband filters, realisation 2—9845
channelized receivers for electronic warfare, contiguous filter bank 2—16499
chirp filters, signal processing appls., overview 2—1542
convolver/correlator, design and development 2—25415
convolvers, using narrow-aperture chirp transducers 2—25408
delay line, variable, using voltage controlled air gap 2—25405
dispersion delay lines, compressed linearly-frequency modulated signals, temp. dependence of time location 2—1545
dispersive delay lines, temp. dependences 2—9847
fast synchronisation modem for spread-spectrum communication system using burst-format message signalling 2—14028
fiber optic laser probe for acoustic wave measurements 2—25479
filter, for mobile radio systems 2—16396
filter attenuation in pass-band, reduction 2—9141
filters, bandpass and dispersive, performance and appls. 2—1537
filters, stagger tuning for broad bandwidth and good shape factor 2—15096
FM-oscillator design using 3-IDT delay line and doubly balanced differential amplifier, negative feedback 2—19590
frequency sorting receivers using SAW technology 2—1541
frequency synthesizer application, fast settling direct synthesizer design 2—1539
frequency-dispersive SAW filters, used for radar pulse compression *(German)* 2—20478
future device technologies and their implications, conf., London, England (Jan. 1982) 2—18879
generator with delay lines with surface acoustic waves *(Bulgarian)* 2—9842
guided-wave optical and SAW devices, systems and appls., conf., San Diego, CA, USA (July 1980) 2—10
HF acoustic plate mode device, employing interdigital transducers 2—5877
IDT filters design, errors due to diffraction compensation 2—5880
integrated optic strip waveguides driven by surface acoustic waves 2—25537
linear FM interdigital transducers, asymmetric distribution of power flux 2—20473
mode conversion using a modified multistrip coupler 2—5881
modem, universal, for satellite links *(French)* 2—16411
multiplexer application in FMCW radar systems 2—2830
multiply tapped SAW convolvers, mismatch losses calculation 2—15093
multistrip beam compressor for convolver appls., efficient three-wavelength-output 2—9840
optical observation of acoustic waves and electrical characteristics in $LiTaO_3$ SAW devices 2—15099
oscillators, convolvers, spectrum analysers, characts., technology 2—5879
position sensors, two-dimension sensor using Rayleigh waves, linear sensor using bulk waves *(French)* 2—22253
radar applications of surface acoustic wave devices 2—11115
radar signal processing, comparison of digital, CCD and SAW technologies 2—2829

surface acoustic wave devices continued
reciprocal transformation of volume and SAW on periodically perturbed surface, review 2−1546
resonators for Transit satellite marine navigation system receivers 2−2844
shear-wave transducer using ferroelectric medium with distributed polarisation 2−20474
signal processing and communication systems appl. and manufacture in India 2−5878
signal processing appls., Bandpass filters, delay lines and oscillators 2−1534
signal processing appls. 2−25411
signal processing ESM receivers based on SAW channelizer and FFT processor 2−2828
single-phase and balanced separate comb transducer configurations in a ZnO/Si SAW structure 2−15098
solid state electronic devices, review *(Japanese)* 2−9597
spu-chem etching technique for submicron patterns delineation 2−9584
statistic variation of characts. due to random fabrication errors 2−15095
storage correlator for signal processing 2−1540
technology developments review, applications 2−1536
thin-layer interdigital transducers, static capacitance, charge and potential distrib. *(French)* 2−25416
topographic waveguides for SAW, finite-element anal. using approximate analytical solns. 2−9841
TV ghost image canceller using 2 SAW dispersive delay lines *(Japanese)* 2−16597
UHF acoustic oscillators, comparison of SAW devices, bulk resonator and cryst. oscillator 2−1538
UHF degenerate elastic convolver 2−25414
US transducer, Lamb wave eigenmodes of vibr. in terms of transducer thickness-to-width ratio 2−22758
AlN on Si SAW devices 2−15090
Co-Cr magnetostructure film on YZ-$LiNbO_3$ substrate, SAW delay line 2−15218
GaAs IC compatible SAW devices 2−25412
$LiNbO_3$, improvements in fabrication 2−15097
$LiNbO_3$ single cryst. films, LPE growth for SAW devices 2−578
$LiNbO_3$ used in SAW devices, effects of ferroelec. domains on surface struct. 2−15058
$LiNbO_3$:Ti guided-wave acousto-optic Bragg cells with SAW transducers, centre freqs. >1 GHz, 500 MHz bandwidth 2−6074
$LiNbO_3$-CdSe-metal multilayer struct., convolution signal storage 2−25417
SiO_2/(ZY)$LiNbO_3$ structure SAW filters with low loss and high temp. stability 2−9846
$Sr_{0.61}Ba_{0.39}Nb_2O_6$, ferroelec., SAW transduction and poling 2−15094
ZnO piezoelectric transducers props. 2−1533
ZnO, thin film SAW filter *(Japanese)* 2−9844
ZnO-Si SAW device, Sezawa to Rayleigh mode conversion 2−1532
ZnO-SiO_2-Si SAW convolver, high freq. 2−9839
ZnS-Ta_2O_5-Nb_2O_5 mulilayered thin films optical tunable couplers using SAW, filtering props. 2−20687

surface acoustic waves
see also acoustic waves; Rayleigh waves; surface acoustic wave devices; surface phenomena
distortion estimation of SAW time inversion system based on delta function approximation 2−6425
laser probe detection of Stoneley wave interactions with material boundary defects 2−8917
narrow-aperture beams, generated by SAW convolvers using chirp transducers 2−25408
optical generation of 76 MHz waves on YZ $LiNbO_3$ 2−25406
piezodielectric-semiconductor boundary, EM wave and SAW interaction 2−1544
piezoelectric crystals, acoustic wave types for freq. control and signal processing 2−1510
piezoelectric insulator-semicond. layer struct., acoustoelectronic interaction, semicond. band bending effect 2−9518
point density and defect characterization via measurements of ultrasonic bulk waves 2−8923
quartz, SAW, viscous attenuation and vel. 2−25380
Rayleigh wave propagation in piezoelec.-semicond. system, transverse elec. field effect 2−1505
reciprocal transformation of volume and SAW on periodically perturbed surface, review 2−1546
steel, austenitic stainless weld, texture study using SAW 2−13886
steel, mild, fatigue failure prediction using US surface waves, corner reflector method 2−5049
stress intensity factor measurement of surface cracks, surface acoustic wave probe appl. 2−8875
surface transverse wave resonances on corrugated plates of finite thickness 2−25410
US transducer, Lamb wave eigenmodes of vibr. in terms of transducer thickness-to-width ratio 2−22758
velocity meas. using phase interference method 2−22449
waveguides, model and real, guided TM mode acoustooptic interaction efficiency, freq. depend. 2−20666
$AlPO_4$, berlinite, SAW props. of temp. compensated orientations 2−25409
CuCl, SAW characteristics 2−20457
$LiNbO_3$:Ti diffusion-fabricated optical waveguide, broad-band acoustooptic interaction 2−1724
$LiNbO_3$-water boundary, propag. characts. of leaky SAWs meas. by acoustic microscope 2−20448
$Sr_{0.61}Ba_{0.39}Nb_2O_6$, ferroelec. single cryst., piezoelec., HF dielec. and SAW props. 2−15057
Ti, fatigue failure prediction using US surface waves, corner reflector method 2−5049
ZnO, for thin film SAW filter *(Japanese)* 2−9844

surface activity *see surface energy*

surface chemistry
see also chemisorption; corrosion
CC/a-/Si-H, hydrogenated film struct. and prop. depend. on RF-sputtering gas press. 2−600
laser photochemistry at surfaces for microelectronic appls. 2−1318
solid-state electrochem. cells, electrode and interface reactions, review 2−12797
Al alloys under simulated wet/dry cooling tower conditions, deposition and corrosion phenomena 2−27751
CdS-CdSe(CdTe) solid-phase substitutional heterostructs., photoresponse 2−5615

surface chemistry continued
CdSe thin film anodes, photoelectrochem. characts. 2−5648
GaAs surface, thin native oxide covered, interfacial chemical reactivity of metal contacts 2−5630
n-GaAs-molten salt electrolyte interface, mech. of charge transfer 2−5646
Si (111), nitridation by N atoms, LEED, AES, desorption, and mass spectra meas. 2−9583
Si oxidation by O_2, model 2−14784
Si:H(H,F), amorphous, plasma deposition kinetics model 2−19445
W, heterogeneous reactions and chemical transport, in incandescent lamps 2−4459

surface conductivity
see also surface scattering
insulating materials, surface and volume conductivity, field calcs. *(German)* 2−9821
semiconductor critical thickness layers, field effect, electrostatic characts. 2−25086
semiconductor film, surface space charge layer, Hall and thermoelectric effects 2−1144
semiconductor surface, potential, elec. field, charge density, mobile carrier conc., equilib. soln. 2−20055
static control materials, surface resistivity monitoring, fixture design, quality control 2−17094
n-Ge, surface cond. meas. in transverse elec. fields, storage effect 2−14617
InSb, conductivity fluctuations in crossed elec. and mag. fields 2−5564
Si, ion implanted, annealing in plasma of pulsed gas discharge 2−20212
p-Si, minority carrier diffusion length meas., evaluation of surface photovoltage method 2−14628
p-Si:Pd, natural and doped surfaces, IR photosensitivity, external elec. field effect 2−1790

surface contours
see also surface topography measurement
complex contoured surface meas., extended profile scanning program 2−7209
holographic-interferometric triangulation technique for distance and surface contour meas. *(German)* 2−15568

surface diffusion
see also sorption
Se-Ge/Ag amorphous resist, anomalous Ag surface diffusion 2−1270

surface discharges
see also corona
coil insulation under intense γ-ray irradiation, flashover characts. study 2−1502
colour AC-plasma display with surface discharge 2−11550
compressed gas insulated systems, surface flashover of spacers, review 2−1500
Myler thin film, surface flashover arc orientation 2−20438
PMMA surface discharges at low press. with spherical electrodes, characts. 2−15046
polymer, comparative tracking index deviation 2−19478
polymer insulating materials, ASTM tracking test methods 2−15047
polymer insulating materials, surface deterioration and tracking breakdown due to glow discharge in low press. atm. *(Japanese)* 2−5852
spacecraft charging tests using multiple electron guns, NASCAP simulation 2−22611
GaAs-Si_3N_4 interface, trap studies 2−14715

surface electron states
see also interface electron states; surface scattering
heterojunction, nonideal, photoelec. props., photodiode appls. 2−20750
metal-semiconductor contacts, V-I characteristics, generation-recombination in space charge region, diffusion theory *(Russian)* 2−1234
metal-semiconductor Schottky barrier height 2−14694
MNOS capacitors, high electric field effect on C-V characteristics *(Japanese)* 2−1246
MOS system, surface states and minority carrier generation meas. by DLTS *(Japanese)* 2−9510
MOSFET 1/f noise due stochastic generation-recombination of carriers via fast surface states 2−25273
photoemission, surface plasmon assisted, by underlying metal film excitation 2−9354
polaritons, surface EM waves in far IR 2−6039
PTFE-polyhexafluoropropylene electret, charge relaxation, surface phenomena role 2−9756
Schottky barrier diodes, response to transverse mag. surface waves, theory 2−5725
semiconductor surface potential barrier effect on surface recombination velocity 2−5626
semiconductors, photodecomposition, thermodynamics, kinetics, appl. to photoelectrochemical cells 2−9522
solar cell, semiconductor-electrolyte junction, superposition principle 2−4343
surface plasmon light emitter, electrically tunable, proposal 2−6108
Al-Al_2O_3-Ag MOM tunnel structs., surface plasma oscills., dispersion anomalies 2−9520
$Al_xGa_{1-x}As$ solid solns., epitaxial, variable composition, surface recombination *(Russian)* 2−1184
Au-InP Schottky diode, elec. characts. 2−14829
CdSe, epitaxial film, surface state charging during NO_2 adsorption 2−20083
n-CdSe/electrolyte interface, electrorefl. spectra, photoelectrochem. solar cell appl. 2−5650
GaAs (110)-In(Ge), interface form., surface reconstruction 2−25051
GaAs, semiconductor electrodes in photoelectrochemical cells, surface state role 2−12761
GaAs surface, (110), Fermi level pinning, contact pot. difference and surface photovoltage topography study 2−1181
n-GaAs surface, light-induced changes of oxidation potential for temps. between 150 and 410K 2−1188
n-GaAs-molten salt electrolyte interface, mech. of charge transfer 2−5646
InSb-based MIS struct., carrier generation processes under nonequilib. depletion conditions 2−9516
MOSFET, impact ionisation through surface states 2−9657
n-MoS_2/I^-,I_2/Pt electrochemical solar cell, with layer-type semiconductor anodes, performance 2−4368
PbTe, surface space charge layer physics 2−9470
Pd-GaAs Schottky diodes, current-voltage and capacitance-voltage characts., electron irrad. effects 2−9500
Si (111)-In(Ge), interface form., surface reconstruction 2−25051

surface electron states continued
Si, ion-implanted, surface state effects on laser annealing mechanism *(Russian)* 2−1314
Si, semiconductor electrodes in photoelectrochemical cells, surface state role 2−12761
Si surface adsorption, optical memory centres 2−14632
Si:Au, surface, nonequilib. depletion layer, relax. vel. meas. *(Russian)* 2−24951
p-Si:Pd, natural and doped surfaces, IR photosensitivity, external elec. field effect 2−1790
Si-SiO_2 MOS structs., donor conc. in Si surface layer, electron irrad. temp. effect 2−9517
SnO_x:Sb film, platinized, prep., surface composition and electronic struct. 2−24314
Te film on $Pb_5Ge_3O_{11}$, TGS and TGSe substrates, ferroelec. field effects 2−1527
TiO_2-electrolyte interface, surface states obs. 2−20159
n-WSe_2, semiconductor electrodes in photoelectrochemical cells, surface state role 2−12761
ZnS:Cu, Cl crystal phosphor, localised surface state spectroscopy 2−10132

surface energy
see also surface electron states
No entries

surface hardening
heat-treated layer, nondestructive thickness determ. *(French)* 2−19477
metals, laser-plasma processing at high gas press. 2−25887
submerged-arc strip surfacing with magnetic arc control 2−28292

surface ionisation
negative sputter ion sources performance, theoretical anal. 2−11774
SNICS, surface ionisation sputter-type ion sources, sputter cathode enhanced axial erosion 2−11776

surface phenomena
see also surface.....
see also crystal surface and interface vibrations; emissivity; interface phenomena; magnetic surface phenomena; sorption; surface acoustic waves
ceramic permanent magnets adhesive bonding 2−5904
EM wave propagation in optically active and magnetoelec. media of arbitrary geometry 2−25928
EM waves, excitation by diffr. grating 2−10464
PTFE-polyhexafluoropropylene electret, charge relaxation, surface phenomena role 2−9756
vacuum and surface science, conf., Cannes, France (Sept. 1980) 2−18855
Mg mirror surface, dynamic hologram recording, wavefront inversion 2−2055

surface phonons *see crystal surface and interface vibrations*

surface potential
gate-controlled implanted resistor, 1/f noise 2−14870
Kapton, irradiated dielectrics, material parameters effect on charging characts. 2−20432
MIS structure, charge-transfer, electrode gap role 2−25256
MOS structure, surface photovoltage, surface pot. fluctuations effect 2−5634
MOST, dual-gate, short-channel threshold voltage effects, surface potential calc. 2−25266
p-n junction local characteristics determ. by induced potential method in stroboscopic mode 2−25047
piezoelectric insulator-semicond. layer struct., acoustoelectronic interaction, semicond. band bending effect 2−9518
poyvinyl acetate films, corona charged, surface charge decay characts. 2−25390
SEM, errors in micropotential measurement 2−26925
semiconductor critical thickness layers, field effect, electrostatic characts. 2−25086
semiconductor film, surface space charge layer, Hall and thermoelectric effects 2−1144
semiconductor junctions, homogeneous, charge meas. of interface 2−25048
semiconductor surface, potential, elec. field, charge density, mobile carrier conc., equilib. soln. 2−20055
Teflon, irradiated dielectrics, material parameters effect on charging characts. 2−20432
AlGaAs two dimensional electron gas FET, high performance assoc. with low AlGaAs surface pot. 2−25224
CuO film, exoelectron emission 2−5506
$Cu_{2-x}S$-CdS frontwall thin film solar cells, influence of performance of surface props. of $Cu_{2-x}S$ 2−18509
n-GaP/stearic acid, surface pot. studies on Langmuir-Blodgett films 2−14719
(Hg,Cd)Te photoconductive detector in 3 to 5 μm range, UV irrad. effect 2−10157
$Hg_{0.7}Cd_{0.3}Te$-anodic oxide interface in MOS structure, charge trapping 2−9513
InP-SiO_2(Si_3N_4) MIS capacitors, interface props., C-V meas. 2−5635
NiO film, exoelectron emission 2−5506
n-SI MOSFET-type struct., electronic response to illumination, surface effects 2−10116
Si, surface potential distrib., freq. depend. *(Russian)* 2−1155
p-Si:Pd, natural and doped surfaces, IR photosensitivity, external elec. field effect 2−1790
SiO_2, fused, irradiated dielectrics, material parameters effect on charging characts. 2−20432

surface scattering
used for carrier scattering by surfaces
see also surface conductivity
No entries

surface tension
liquid displacement due to surface tension elec. modulation, passive display and optical switching appls. 2−6058
molten glass, gas bubble expulsion by surface-tension gradient method 2−616
Sumoto effect, explanation on basis of increased surface tension 2−9779

surface topography measurement
complex contoured surface meas., extended profile scanning program 2−7209
drill analyser, microprocessor-controlled 2−16793
finish metal surfaces, curved and flat, optical fibre sensor appl. *(Japanese)* 2−11674

surface topography measurement continued
holographic grating groove depth determ. method 2−2051
holographic-interferometric triangulation technique for distance and surface contour meas. *(German)* 2−15568
optical flatness meter, optimal base marks position determ. 2−17187
optical techniques for 3D surface meas. 2−7215
rough surface microstructure change and motion tracking meas., real-time speckle correl. by holographic matched filtering 2−26961
Tencor Instruments Sigmascan, surface and film thickness profiler for hybrid IC production 2−11622
three-dimensional contour line order meas. for arbitrary object, time sequentially coded gratings, implementation 2−11624
turning, in-process meas. of surface roughness 2−6287
wind tunnel testing, surface recession meas. using projected fringe technique 2−12008

surface treatment
see also etching; polishing; surface hardening
Araldite type epoxy resins and polycarbonate boxes, adhesion failure *(Hungarian)* 2−24339
brass waveguides, rectangular, vibr. strength, improvement by metal treatment *(Russian)* 2−13850
chip removal and chip site dressing 2−5695
cleaning, of Cu-clad laminates, electron microscope exam. 2−19959
electrochemical machining, parameters controlling metal removal rate, surface finish 2−13106
electronic assemblies, aqueous processes for wave soldering/cleaning, effluent treatment 2−13285
electronic equipment manufacture, static protection, effects of organic cleaners and work surfaces 2−13274
flexible magnetic media processing device 2−8265
hybrid ICs, reliability improvement, through preencapsulation cleaning process 2−24844
IC materials, evaluation of critical surface cleanliness by SIMS 2−14795
Inconel 600 tubing in nuclear power demonstration unit boiler, chem. cleaning 2−7676
laser photochemistry at surfaces for microelectronic appls. 2−1318
laser processing of materials 2−25890
laser surface alloying, bibliography 2−2058
magnetic tape cleaner using multiple cleaning position device 2−5898
microabrasive blasting, for insulation removal 2−15062
MOS capacitor, improved oxide from backsurface Ar implantation 2−1238
new method of cleaning metal objects 2−18992
nuclear steam generator materials performance, conf., St. Petersburg, FL, USA (Oct. 1980) 2−4568
parylene adhesion, to various substrate materials, the effect of plasma pretreatment 2−8850
PC board pretreatment, chemical method 2−19971
PC cleaning systems, use of resistivity meters 2−19968
PCB cleaning methods, aqueous, chlorinated solvent and fluorinated solvent techniques, cost comparison 2−5450
PCB cleaning process for removal of rosin, modified rosin, and organic acid fluxes 2−14496
PCB manufacture, cleaners, activators and fluxes, effective use 2−14476
PCBs, aqueous cleaning, environmental considerations 2−14516
PCBs, mechanical cleaning 2−19967
photoelectrochemical solar cells with layer-type semiconductor anodes, chem. surface treatment 2−18476
printed wiring assembly cleaning during production utilizing organic solvents and water 2−14487
PWB aqueous cleaning procedures for high reliability appls. 2−14497
PWBs, detergent cleaning of FR-4 test coupons, reliability testing 2−14492
PWR boilers, corrosion product removal from secondary side, demonstration test results 2−3857
PWR boilers, corrosion products on secondary side, chemical removal process 2−3856
semiconductor, surface overlayers detection and minimisation using spectroscopic ellipsometry 2−11646
transucing head for magnetic media, cleaning device 2−5897
VLSI technology, reactive ion etching of poly-Si and Al films, dry development of photoresists, dry cleaning of substrate 2−20372
Al lands removal from semiconductor chips, polishing technique 2−20203
$Cd_{0.2}Hg_{0.8}Te$, surface treatment effect on photosensitivity spectral distrib. *(Russian)* 2−15386
Co super alloys for aerospace gas turbine engine, corrosion prevention 2−27256
Cu mirror, laser-induced pitting at 10.6 μm, surface prep. method effect 2−6253
Cu thick film circuits, surface treatment and bondability 2−24835
GaAs-Al, Schottky diodes, effect of substrate treatments usable in MBE 2−1345
Ge, chemical etching and cleaning procedures 2−1300
Ge, chemical etching and cleaning procedures 2−5691
III-V semiconductors, chemical etching and cleaning procedures 2−1300
III-V semiconductors, chemical etching and cleaning procedures 2−5691
Nd:glass rods, cylindrical surface cleaning treatment effect on laser amplifier gain *(Chinese)* 2−15483
Ni super alloys for aerospace gas turbine engine, corrosion prevention 2−27256
Si, chemical etching and cleaning procedures 2−1300
Si, chemical etching and cleaning procedures 2−5691
Si, picosecond laser annealing 2−14797
Si-SiO_2 interface defects, low temp. annealing and hydrogenation 2−5636

surface vibrations *see crystal surface and interface vibrations*

surface waves (fluid)
see also oceanography
ocean wave profiling system for surface effect ship 2−22743
sea-state, surface current and surface wind surveillance, by decametric radar 2−22736

surge absorbers *see surge protection*

surge protection
see also divertors; surges
airborne power supply equipment parts, HV surge and partial discharge test 2−17515
analysis of electrodynamic stability of self-supporting conductors *(Russian)* 2−17767
arrester, mathematical model of non-linear resistance *(Czech)* 2−7579
arrester protective characts., nonlinear resistor behaviour anal. 2−3798

surge protection continued
arrester with magnetically blown spark gaps, 60 to 516 kV rated voltages 2—7576
arresters for HV switchgear, design and testing methods 2—12311
arresters with current limiting fuses, analytical method for coordination 2—3801
commercial power main conducted susceptibility standard 2—22956
distribution surge arrestors, operating duty due to indirect lightning strikes 2—12314
distribution transformer insulation hazard due to abrupt lightning surges *(Polish)* 2—17708
electrical installations, protective devices research and development trends in Rumania *(French)* 2—43
gapless ZnO surge arresters, voltage distribution designs, expt. and calc. 2—12308
gas filled protectors, construction for protection of digital telecommunication systems 2—10764
gas-filled protectors *(Japanese)* 2—13244
HV surge arrester model for transient network analyser appls. 2—3800
HV systems, protection and co-ordination of insulation against overvoltages of internal origin *(Spanish)* 2—27579
inductive-capacitive energy store, solid-state peaking discharger using nonlinear elements 2—18622
lightning channel impedance calc. models for electronic systems 2—26007
multilayered reed contacts for large surge current load 2—999
MV/LV transformer substation and LV distribution networks lightning protection 2—27578
phase-to-phase surge divertors, probabilistic insulation co-ordination *(Czech)* 2—12191
relay contact protection, using power amplifier inhibit cct. 2—24764
semiconductor devices, characts. requirements *(Japanese)* 2—14816
silicone surge voltage suppressors, for digital telecommunication installations 2—10764
solid-state suppression systems, transient protection for solid-state communications equipment 2—10765
submarine coaxial cable repeatered line, surge protection design *(Japanese)* 2—13243
suppression of internal overvoltage surges in industrial high voltage systems 2—17758
switching regulator, line-operated, active transient suppressor 2—13952
switching regulator, surge current limiter 2—13953
synchronous machine excitation cct. surge protection *(Russian)* 2—4060
telecommunication power systems, lightning surge investigation and protection *(Japanese)* 2—17760
telephone station equipment and subscriber equipment *(Japanese)* 2—13242
telephone subscriber stations 2—16046
test surge wave determ. methods for transmission equipment 2—12295
three-phase voltage monitor 2—22962
transient protection for solid-state communications equipment 2—10765
transmission systems, investigation of transient response characts. in ground resistance with surge currents *(Japanese)* 2—13241
SF_6 insulated substation environment and protection scheme 2—18397
ZnO varistors as transient-overvoltage suppressors for telecommunication systems *(Japanese)* 2—14308

surge suppressors *see surge protection*

surgery
anaesthesiological measures in operating theatre, range of diagnostic, therapeutic equipment 2—17396
anaesthetic antistatic rubber elephant tubing, elec. hazards and patient protection 2—17427
electronic radiography in X-ray diagnosis/ during surgical procedures/, dose reduction 2—3464
eye microsurgery, TV appl. *(Japanese)* 2—17358
laryngectomised patient, intraoral artificial larynx for revocalisation 2—17423
laser medical applns., laser scalpels, haemostatic treatment 2—3506
laser microsurgery trends, wet-field CO_2 laser technique 2—17411
lasers in ophthalmic surgery 2—7341
pathology, new instrument 2—27164
RF surgery equipment, appls., technical possibilites and safeguarding problems *(German)* 2—27193
RF surgery equipment, appls. and technical scope, safety problems *(German)* 2—17394
RF surgery equipment, review of hazards 2—11950
CO_2 laser surgery of head and neck tumors 2—11960

surges
see also overcurrent; overvoltage; transients
analysis of electrodynamic stability of self-supporting conductors *(Russian)* 2—17767
distribution networks switching surges experimental research strategy *(Russian)* 2—27469
EMAV, digital computer program for calc. of EM transient conditions *(German)* 2—27457
lightning surge characts. induced in telecommunication lines *(Japanese)* 2—16324
lightning surge waves induced in transmission lines, theory *(Japanese)* 2—15746
multiconductor power transmission line, digital filter model 2—3770
power supply impulse strength measurement, using AC line disturbance analysers 2—19544
power thyristor computer-aided surge capability prediction and anal. under 50 Hz half-sine wave overloading 2—20245
power transformer surge voltage and test pulse meas. *(German)* 2—27971
radio noise spectrum meas. by surge current arcs 2—21121
single phase transformers, inrush currents calc. 2—12697
spurious protection operation in open-cast mining and quarrying power networks caused by circuit oscillations methods of avoidance *(Russian)* 2—27485
switching, anomalous breakdown in plastics obs. 2—22357
test methods, for turn insulation of electrical rotating equipment 2—23255
test surge wave determ. method for telecommunication transmission equipment *(Japanese)* 2—13240
test surge wave determ. methods for transmission equipment 2—12295
th volt second characteristics/ of insulator/ sets subject to nonstandard lightning/ pulses and reduced atmospheric pressures *(Russian)* 2—3779
transformer feeders simulation following switching operations 2—12695
transmission line switching surges, statistical distribution of the phase-phase ratio alpha 2—12268
windings testing, surge comparison technique 2—23235

surgical operations *see surgery*

surveying
land survey and setting out using EM distance meas. and electronic processing 2—22220
multibeam collimator using prism stack 2—6246
operative position finding, artificial satellite appls. in navigation, geophysics and surveying, dist. meas., radio interferometry *(German)* 2—17455
satellite appl. to surveying and ocean navigation, Transit development 2—6866
wind power prospecting by aerial surveys 2—18109

susceptance, electric *see electric admittance*

susceptance, electric, measurement *see electric admittance measurement*

susceptibility, dielectric *see optical susceptibility*

susceptibility, magnetic *see magnetic susceptibility*

susceptibility, optical *see optical susceptibility*

suspensions
coal-oil mixtures and coal-water slurries as alternatives to oil fuel 2—12324
colloidal sols, electronic method for determining strength of suspensions 2—17166
oceanographic particle sampler, deep water 2—22734
particle size distribution measurement, computer controlled *(Dutch)* 2—26743
railway vehicle suspensions entering electronic age 2—13028
tidal flow sand suspensions meas. 2—22732

swept-frequency oscillators
sequential sweep oscillator with hold on error feature 2—7113
tunnel-diode wobbulator, sweep freq. source throughout range from 10 Hz to ~1 GHz 2—5135

swept-frequency reflectometry
RF/microwave meas. automation using digital processing oscilloscope system 2—7199
transmission and refl. characts. of microwave systems, meas. by swept reflectometry 2—17110

switchboxes *see switchgear*

switched capacitor networks
band-pass filters, low-freq. design, sensitivity *(German)* 2—24602
bilinear switched-capacitor floating LC parallel cct., elliptic low-pass filter appl. 2—9152
C message filter using MC 14414 switched capacitor filter 2—3106
closely coupled inductors using switched-capacitor ccts. 2—24384
computer aided analysis program, SCANAL 2—13930
cyclic A/D convertor using switched-capacitor integrator, single-chip realisation 2—19741
DIANA-SC, CAD system for switched capacitor filters 2—19527
differential switched-capacitor filtering technique, low noise, chopper stabilisation 2—19779
equal-valued switched-capacitor filters synthesis 2—8963
equivalent circuit analysis 2—19522
filter circuits with large time constant, construction by small capacitor ratio, integrator and adder appls. 2—9151
filter design, application of voltage invertor switch with new clocking scheme *(Korean)* 2—14211
filter design, book 2—13200
filters, CAD based on cascaded biquad cells *(French)* 2—13931
filters, influence of operational amplifiers 2—680
filters, Pauper's algorithm for freq.-domain anal. 2—19521
filters, performance 2—24379
FIR N-path filter, combined switched capacitor filter using only grounded capacitors 2—820
frequency-domain anal. using continuous-time two-port equivalents 2—5076
frequency-domain analysis, using analogue two-port equiv. ccts. 2—19525
impulse-filters, time-varying parameters, CAD, freq. response anal. *(German)* 2—24601
integrated CMOS SC filter based on one-port simulation 2—19792
ladder simulation switched-capacitor filters with inductor loops 2—5275
low frequency integrators, morphological design method 2—19524
micropower switched capacitor biquadratic cell, using CMOS invertor 2—19791
monolithic switched capacitor filters, audio engineering appls. 2—19774
MOS, noise anal. 2—13928
MOS, topological anal. *(German)* 2—19526
MOS analogue switched capacitor circuits, clock feedthrough cancellation technique 2—24589
MOS switched capacitor integrator, eliminating operational amplifiers 2—14244
MOS switched capacitor ladder filters, simplified structure 2—19781
NMOS, switched-capacitor voltage wave pseudobandpass filter 2—821
NMOS switched-capacitor voltage wave filter, prototype 2—19780
parasitic compensated switched capacitor circuits 2—13929
pseudo-N-path filter, appl. to bandpass and bandreject filters 2—24382
Q-factor digital meas. of AF inductors 2—17114
real-time programmable switched capacitor bandpass filter 2—14217
simulation and computer aided analysis using DIANA 2—24362
stray insensitive 1st order active switched capacitor network 2—19523
synthesis using state model *(Slovak)* 2—24381
TL520, switched capacitor convertor from Texas Instruments 2—5324
transmultiplexer design for high efficiency and robust performance 2—6679
voltage controlled low pass filter with 100 dB/octave transition interval width *(German)* 2—819

switched filters
bilinear switched-capacitor floating LC parallel cct., elliptic low-pass filter appl. 2—9152
C message filter using MC 14414 switched capacitor filter 2—3106
closely coupled inductors using switched-capacitor ccts. 2—24384
DIANA-SC, CAD system for switched capacitor filters 2—19527
differential switched-capacitor filtering technique, low noise, chopper stabilisation 2—19779
equal-valued switched-capacitor filters synthesis 2—8963
FIR N-path filter, combined switched capacitor filter using only grounded capacitors 2—820
integrated CMOS SC filter based on one-port simulation 2—19792
ladder simulation switched-capacitor filters with inductor loops 2—5275
meander-line filters for multiplexing systems, PIN diode appls. 2—917
micropower switched capacitor biquadratic cell, using CMOS invertor 2—19791
monolithic switched capacitor filters, audio engineering appls. 2—19774

switched filters continued
MOS analogue switched capacitor circuits, clock feedthrough cancellation technique 2−24589
MOS switched capacitor ladder filters, simplified structure 2−19781
MOS switched-capacitor networks, noise anal. using autocorrelation techniques 2−13928
NMOS, switched-capacitor voltage wave pseudobandpass filter 2−821
NMOS switched-capacitor voltage wave filter, prototype 2−19780
pseudo-N-path filter, appl. to bandpass and bandreject filters 2−24382
real-time programmable switched capacitor bandpass filter 2−14217
switched capacitor filters, CAD based on cascaded biquad cells *(French)* 2−13931
switched capacitors low frequency integrators, morphological design method 2−19524
switched-capacitor band-pass filters, low-freq. design, sensitivity *(German)* 2−24602
switched-capacitor filter circuits with large time constant, construction by small capacitor ratio, integrator and adder appls. 2−9151
switched-capacitor filter design, application of voltage invertor switch with new clocking scheme *(Korean)* 2−14211
switched-capacitor filters, influence of operational amplifiers 2−680
switched-capacitor filters, Pauper's algorithm for freq.-domain anal. 2−19521
switched-capacitor filters, performance 2−24379
switched-capacitor impulse-filters, time-varying parameters, CAD, freq. response anal. *(German)* 2−24601

switched networks
see also switched capacitor networks; switched filters
analogue system spectra with periodically operated switches *(German)* 2−8962
current divider, 14-bit D/A convertor for audio systems *(German)* 2−11274
power supply for spectral analyser, portable Tektronix 492 2−13970
push-pull switched low-freq. amplifiers for PWM signals, losses 2−13993
switched filter ccts., 1.5-30 MHz, BCD code operation *(German)* 2−21248

switches
see also relays; semiconductor switches; time switches
34 kV overhead system with in-line loadbreak switch, cost effectiveness 2−27539
analogue switch appls. *(German)* 2−9159
analogue switch on-state resistance measurement, test circuit 2−11506
analogue switches, advantages over digital transceivers for data paths 2−14342
ATE switching paths automatic selection, ROUTER software package 2−22121
automatic light switch that detects people and refers to natural light levels 2−28064
building lighting control system, Project Skylight, using microcomputers and radio transmitters 2−23749
contact bounce simulation circuit *(Italian)* 2−9128
contact identification, using constant current and A/D convertor 2−5408
contiguous disc bubble domain transfer switches 2−9871
control switch units, ø22TW series, combinations and appls. 2−5406
DG 308 analogue switches, multiplexed bar graph display network 2−11543
DIP switches, improvements 2−14345
domestic electrical appliances, switches, geysers and heating mantles, safety and reliability tests 2−8100
electron beam welding of low-voltage switches *(Hungarian)* 2−18987
electronic, state and development trends *(German)* 2−14346
electronic components, instruments and troubleshooting, book 2−4572
electrooptic switch for multimode fibre links 2−10040
electrooptic waveguide commutator switch, three channel 2−25551
electrowetting optical switch for multimode optical fibres 2−25545
fat L bubble switch, use as write and read switch 2−9870
fibre-optic magnetooptical grating switch 2−15354
fin-line detectors, modulators, and switches, CAD 2−24449
finger-actuated elastic diaphragm switch assembly, long life 2−5404
first signal indicator, using 7400 IC NAND gates, SPDT switches 2−797
future developments in switch technology 2−989
graphical symbols for electrotechnology, Australian Standard AS1102 ladder diagram prep. 2−981
graphical symbols for electrotechnology, contacts switches and relays 2−986
guided-wave devices for optical communication 2−9985
high-speed analog switch construction for multichannel A/D convertor *(Russian)* 2−24568
HV, kilometric defect solicitation severity evaluation using computer *(Rumanian)* 2−28053
HV, Maltese cross-type driving mechanism, kinematic and energetic calcs. *(Rumanian)* 2−23387
ICA type, 7.2 kV/400 A, for fire damp-proof cell, electric field distribution anal. *(Rumanian)* 2−28052
induction motors, 3-phase, measures for protection from dangerous overloadings, comparison and usefulness *(German)* 2−27907
integrated microoptical polarisation-insensitive switches/modulators, new approach 2−9986
integrated optic switching devices using $LiNbO_3$:Ti channel waveguides 2−10057
interface modular switch for ATE, for missile system 2−22688
Josephson switch, compact three terminal 2−9928
keyboard switch design, touch-sensitive pads, ultra-short and short travel buttons 2−990
keyboards, buckling spring-type keyswitch with pretravel force 2−19917
keyboards using membrane switches, polyester film appl., design 2−14352
light-activated switch, response only to mains lighting 2−9171
linear reciprocal passive networks, mathematical inequality and closing of switch 2−669
load-break switches and current-limiting fuses, IEC Publication 420, overview 2−28044
LV automatic switches, arcing behaviour mathematical model *(Italian)* 2−12734
LV commutation, arc burning duration obs., contact surface shape influence *(Bulgarian)* 2−1499
LV switches short cct. rating *(Italian)* 2−985
magnetooptic bistable switch using YIG cryst. with phase matching films 2−10091
microswitches,, design review 2−9265
MV switching equipment using vacuum switches *(German)* 2−28043

switches continued
Mylar touch switches, technology, appls. *(French)* 2−9270
optical channel waveguide total internal refl. switching networks, fabrication and testing 2−1741
optical fibre photoelectric switch, model E3S-X 2−1804
optical fibre photoelectric switches, appls. 2−1806
optical matrix switch, mechanically operated 2−11084
optical switch, using AlGaAs CSP laser 2−20877
optical waveguide switch, N×M planar, for computer communications 2−11090
optical waveguide switch, total refl., using dielec. chip motion 2−1688
optoelectronic isolating links applications in power electronic systems 2−28066
optoelectronic matrix switch using InGaAs/InP heterojunction switching photodiodes 2−1801
panel-mounted switches with decimal outputs, overview 2−994
photoelectric, defects detection 2−1805
photoelectric switches, selection 2−1803
photoelectric switches for level detection 2−1807
picosecond optical auto-correlation technique using a superconducting switch 2−9960
RF hook switch for telephones 2−19918
saturable inductor switches for pulse-shaping cct. for high-press. inert-gas laser excitation 2−9057
self indicating switches using display module combined with conventional switch 2−993
separators, operation blocking against faulty manoeuvres *(Rumanian)* 2−24761
sliding, operation and appl. *(German)* 2−19914
solid state receiver incremental tuning switch, amateur CW operations appl. 2−10976
solid-state switch resistance compensation for current-to-voltage convertor 2−14272
sound-operated switch for remote control appls. *(Spanish)* 2−9272
special-purpose keyboards, switch design, customized basis 2−991
superconducting, picosecond sampling techniques 2−14348
T-bar toggle switch, for mag. bubble domain transfer between shift registers 2−9869
technology developments, review 2−988
touch activated programmer switch, multichannel 2−987
touch switches based on membranes of polyester films and conductive inks, appls. 2−992
vibro-diagnostics of spontaneous closure in contacting systems by a method of finite elements *(Russian)* 2−28057
visual indication of switch position using bi-colour LEDs 2−5401
voltage inverter switch with new clocking scheme, application to switched capacitor filter design *(Korean)* 2−14211
wideband coaxial switches for ocean block equaliser in 140 MHz submarine cable system *(Japanese)* 2−21723
zero voltage switches, IC realisation, thyristor trigger appls. 2−19820
Ag contact closing arcs, cause of max. RFI 2−14350
$LiNbO_3$ 2×2 transverse type optical switch, wavelength meas. and demultiplexing appls. 2−10077

switchgear
see also circuit breakers; switches
400 kV system, transient recovery voltage conditions, survey 2−12227
500 kV disconnecting switch insulation, elec. strength evaluation 2−18390
750 kV substation at Albertirsa, automatic registration of switching overvoltages *(Hungarian)* 2−12733
capacitance-graded bushings with insulation of oil-impregnated paper 2−7562
cathedral church relighting 2−8080
compact indoor switchgear installations with SF_6 circuit-breakers for 45 to 72.5 kV 2−7934
contact behaviour against heavy fault currents, math. model *(Russian)* 2−4306
contact erosion behaviour in arc switching media *(German)* 2−18379
control of integral characteristics of high-speed fuses, anal. *(Russian)* 2−12732
design methodology for low voltage power supplies *(German)* 2−28050
domestic load limiting device remotely operated by electric utility 2−7942
electric switch apparatus, reliability and durability *(Rumanian)* 2−18378
electrodynamic forces calc. program using BASIC *(Polish)* 2−18393
encased switchgears, development in Hungary *(Hungarian)* 2−18376
gas-operated, low-cost transformer protection switch rated at 138 kV 2−7888
HV switchgear quality assurance 2−12747
HVAC transmission planning and related problems 2−12229
indoor switchgear busbar design, electrodynamic stability under short circuit conditions *(Russian)* 2−28060
inductive dynamic brake device in high speed switchgear, math. model. 2−4308
influence of SF_6 technology of modern switchgear design 2−12741
LV and MV, selection and application for overcurrent protection of electrical conductors and equipment 2−7946
LV box switchboards, box-type, using Z-system insulation *(Polish)* 2−18392
LV switchgear, maintenance procedures 2−8220
mechanics design *(German)* 2−18391
metal clad SF_6 switchgear probable life determination *(Dutch)* 2−23383
metal enclosed high voltage switchgear for safe operation 2−7940
metalclad SF_6 switchgear for voltages of 300-1200 kV and fault currents up to 63 kA 2−7955
modular low voltage switchboards for power distribution systems *(German)* 2−12735
MV, dimensioning for thermal, mechanical and electrical loads *(German)* 2−18377
MV, secondary equipment constructional features and design *(German)* 2−28035
MV outdoor isolators in overhead distribution networks *(Polish)* 2−23385
non-conventional, production plant requirements for compliance with Czechoslovak standards *(Czech)* 2−28045
partial discharges measurement and location *(German)* 2−27504
plasma diagnostics in SF_6 pulse discharges *(German)* 2−15051
Polish products survey, ELEKTROMONTAZ range *(Polish)* 2−18148
power plant auxiliary motors, automatic transfer, new way to switch spinning motors 2−27675
safety contact switchgear installation with vacuum switches *(Dutch)* 2−18385
small-scale, overall planning problems 2−23150

switchgear continued
superconducting AC transmission systems voltages up to 35 kV *(Russian)* 2−7953
switching station design allowance for network conditions and switchgear ratings *(Italian)* 2−12736
tenders for electrical equipment, role of enquirer *(Italian)* 2−13215
thyristor based switchgear, wind generator connection to power grid appl. *(Danish)* 2−23224
traction substations, unattended, automatic control 2−8043
two-storey cell with removable SF_6 contactor and circuit breaker *(French)* 2−28068
UK possibilities for all-insulated gear 2−23382
vacuum arc fault current limiter development 2−28071
vacuum breakers, 6 kV-145 kV range, development trends 2−4310
vacuum breakers up to 35 kV, development trends 2−4309
SF_6 insulated switching equipment, gas anal. technique and its appl. 2−7954
SF_6 insulation electric strength for EHV apparatus *(Russian)* 2−28040
SF_6 switchgear, gas/solid insulation interface behaviour during arc discharges *(German)* 2−18377
SF_6 switchgear technology in medium voltage systems *(German)* 2−7949
sF_6 insulated high voltage switchgear: present status and development trends 2−12743

switchgear protection
residual current cct. breaker protection, tripping time 2−23380
surge arresters for HV switchgear, design and testing methods 2−12311

switchgear testing
35 kV air blast breaker interrupting capacity against short ccts., tests 2−4313
AC switch rupturing capacity test phase meter *(Polish)* 2−18387
circuit breaker synthetic testing, theory and methods *(Spanish)* 2−23395
earth leakage cct. breaker testing, guide 2−18372
EHV power switch testing problems *(Polish)* 2−18386
electric current interruption tests in insulating oil medium, effects of test interval times on transient voltage recovery curve 2−7938
experiences with medium voltage vacuum circuit breaker equipment in distribution systems 2−7945
HV, determ. of voltage distribution of arc blow-out chamber *(Rumanian)* 2−23386
HV, laboratory meas. automation 2−4312
locating high voltage insulation faults in switchgear 2−23379
LV circuit breaker development and testing, CESI laboratory facilities *(Italian)* 2−23396
metalclad SF_6 switchgear for voltages of 300-1200 kV and fault currents up to 63 kA 2−7955
microprocessor-controlled reclosure test facility 2−28070
molded-case circuit breakers for underground mine power systems, accelerated life testing 2−18401
non-conventional, production plant requirements for compliance with Czechoslovak standards *(Czech)* 2−28045
testing protective relay circuits 2−12303
thyristor based switchgear for wind generator connection to power grid *(Danish)* 2−23224
vacuum interrupters, prototype design testing 2−23397
SF_6 gas circuit breakers, mech. failures external diagnostic technique 2−18383
SF_6 insulated switchgear, HV testing 2−12748
SF_6 insulated switchgear diagnostics, testing and fault location techniques 2−18395
SF_6 puffer cct. breakers, laboratory and field tests 2−12746
SF_6/He mixture interrupting capacity investigation 2−4314
SF_6-gas circuit breakers, 10000 operation field experience *(Japanese)* 2−12740
SF_6-insulated switchgear installations, isolator switching transient meas., max. overvoltage factor *(German)* 2−7950

switching
see also combinatorial switching; electrical conductivity transitions; ferroelectric switching; magnetic switching; Q-switching; sequential switching; switches
alternating-voltage continuous amplitude control, inductive switching circuit, anal. of power conversion processes 2−23373
asynchronous motor, pole switching, PAM technique *(German)* 2−23291
characteristics of switching processes/ in high voltage vacuum and air contactors/ 2−4317
circuit-breaker resistors, calc. of switching overvoltages for dimensioning *(German)* 2−28067
control of integral characteristics of high-speed fuses, anal. *(Russian)* 2−12732
controlled self-compensated transmission line, computerised overvoltage analysis for single-phase switching condition 2−12222
DC machines, aspects of switching *(Rumanian)* 2−23307
DC machines, influence of the brush-collector electric contact upon the commutation of an inductive circuit *(Rumanian)* 2−27933
delay related issues in integrated/ voice and data networks/ 2−2427
design for safe switching of electrical control equipment in coal mines *(Russian)* 2−28321
diagnostics for thyristor equipment in electric locomotives *(Russian)* 2−28011
distribution transformer with insulating fluids, load tests *(French)* 2−12684
influence of parameters of RC networks on commutation processes in thyristor equipment 2−18341
interruption of small currents in insulating oil medium, current chopping and initial transient recovery voltage 2−7939
isolation and switching, wiring regulations in United Kingdom 2−4607
Josephson vortex flow device 2−1603
no-break power supplies, capacitor-based changeover device *(French)* 2−22866
power transmission line transient voltage computation during distance fault switching *(German)* 2−17689
reference information on switches and relays 2−5407
SQUID, real time dynamics study using high resolution cryogenic sampler 2−20583
study of switch-on dynamics of a synchronous contactor and the vibration of its contacts *(Russian)* 2−28056
transformer feeders simulation following switching operations 2−12695
transmission line switching surges, statistical distribution of the phase-phase ratio alpha 2−12268

switching continued
transmission lines, circuits with distributed parameters, transients and switching operations, calc. *(Russian)* 2−7524
Pb-PbO-Pb Josephson junction, negative resist. switching 2−20570

switching circuits
see also choppers (circuits); emitter-coupled logic; switching networks; trigger circuits
7 channel lightshow, circuit description 2−11269
analogue commutators using FETs, static error analysis 2−14254
battery charger circuits, sinusoidal line current, transistor switching power calcs. *(German)* 2−23358
broadband switching network with 28 OMbits/s *(German)* 2−10732
characteristics of a thyristor interruptor with nonlinear inductance in a fast charge/discharge circuit *(Russian)* 2−28018
CMOS analogue switches, Siconix DG 211/308 types, appls. *(German)* 2−14234
CMOS integrated switch ccts., technology, charcts. *(German)* 2−20399
CMOS switches for signal source switching *(German)* 2−9177
current switch receiver circuit with improved AC noise tolerance 2−865
DC motor braking, pseudo-bipolar PWM switching 2−696
dimmer, operating without abrupt action *(Spanish)* 2−880
double-cross switch, itinery module for model railways *(German)* 2−14248
electro-optical device control cct. 2−14252
electronic audio-signal switch based on integrated circuits 2−9183
high-speed low-power transistor switch for saturated transistors 2−5313
high-voltage analogue switching, convertor with operational amplifier charcts. for output voltage >1000 V *(German)* 2−9200
hysteresis detection cct. 2−11605
Josephson devices for computer appls. *(Japanese)* 2−20567
line scan generator, integrated microcircuit *(Russian)* 2−16646
loudspeaker delayed action power amplifier switch, using 741C IC comparator and relay 2−2989
microprocessor interface with switch array, imaginary I/O port 2−862
MT8980, DX IC for digital switching appl. 2−26333
multi-way touch switch, using logic ICs, LEDs for switch sequence control 2−874
power, logic-signal-controlled, for contactless commutation of industrial line voltage 2−5099
power FETs, appl. in switching ccts. 2−1372
power supplies, advances, appls. in system rel. to size/weight reductions 2−7924
power supplies, selection criteria for power transistors *(French)* 2−5110
proportional zero-voltage switching system, ICs, 555 timer, power control appl. 2−706
reference information on solid-state switching devices 2−5713
regulator, low power start circuit 2−13951
regulator, surge current limiter 2−13953
synchronisation at switching power supplies with PLL 2−8969
synchronous baseband switch, for digital radio links *(German)* 2−26394
thyristor AC switches, control by diode-transistor switch 2−701
thyristor switching, control, and timing circuits 2−854
thyristor-type regenerative circuit with positive feedback, switching speed determ. 2−24625
time-delay relay, thermal, operation and appl. *(German)* 2−5300
touch operated switching cct., using logic, comparator, flip-flop ICs *(Spanish)* 2−24630
zero voltage, monolithic, room temperature control appl. *(German)* 2−9160

switching equipment, telephone *see telephone switching equipment*

switching functions
see also Boolean functions; state assignment
arcs, characteristic functions determ. *(German)* 2−14556
combinational circuits, probability of a switching function *(Spanish)* 2−5206
fu y-valued, minimisation 2−13667
invertor driven induction motor, PWM performance anal. 2−4168
multiplexers for simplification *(Spanish)* 2−21687

switching networks
see also iterated switching networks
Hessian matrix for the networks containing periodically operated switches 2−24380
ITT 1240 Digital Exchange 2−26359
multi-stage, use for packet switching design in local communication networks 2−10741
n-fold parallel path searching in general type switching networks 2−6477
PCM time division switching networks, pair relationship 2−10738
route carried traffic in circuit-switching networks 2−2398
TDM versus SDM switching arrays, comparison 2−10728

switching stations
construction system with explosion and fire safeguards *(German)* 2−28042
contribution to the design of supplementary lightning protection for large 220 and 380 kV outdoor switching stations *(German)* 2−23384
design allowance for network conditions and switchgear ratings *(Italian)* 2−12736
electrical switching apparatus and electronic protection (ASZK) in electrical networks in hazardous areas *(Croatian)* 2−27569
epoxy resin cast insulators for switchboard size reduction 2−20463
HV substations construction on turn-key basis, project engineering and management 2−27972
MV switching equipment using vacuum switches *(German)* 2−28043

switching substations
1.2 MV circuit-breaker development for gas-insulated substations 2−18398
400 kV substation design, in France, layouts for air and SF_6 insulation 2−23392
750 kV substation at Albertirsa, automatic registration of switching overvoltages *(Hungarian)* 2−12733
circuit breaker failures due to distribution harmonic currents, measures 2−28039
gas insulated substations, mechanical props. of particulate-filled epoxy resins 2−18399
gas-insulated substations, appl. of high technology electronics to testing and operation 2−18400
microcomputer circuit protection in substations, cost effectiveness 2−7941
power frequency fields, biological effects, literature survey including work in West and USSR 2−12221
railway-substation sequence control system *(Japanese)* 2−4419
ring-grid electrodes, elec. charcts. of air gaps *(Hungarian)* 2−18374
SF_6 circuit breakers for 400 kV substations *(French)* 2−23394
SF_6 insulated 400 kV metalclad substations *(French)* 2−23393

switching substations continued
SF_6 insulated equipment fault sensors 2−18396
SF_6 insulated substation environment and protection scheme 2−18397
SF_6 insulated switchgear diagnostics, testing and fault location techniques 2−18395

switching systems
see also electronic switching systems
architecture evolution, review 2−16261
business communication satellites, options for use in the nineties, review 2−11066
computer networks, low level security provision 2−16204
data switching node, microprocessor-based 2−6618
hybrid functional test system development, ATE with modular architecture and flexible switching 2−22138
IEEE-488 test measurement line, Tektronix TM 5000 series, simplified integration and software 2−22051
linear induction accelerators, synchronized switching mechanism 2−17194
self-routing tones for nearest contribution network for independent local radio 2−16554
signaling and decision scheme with application to multiple-access communication 2−6684
space division switching network traffic simulator, generalised methods 2−21692
telephone, development in system technology over past 25 years 2−16264
Telex, 25 years of service 2−16073
telex switching unit ATSU, office communication system 2−21466
three-phase zero-voltage switching, new digital control schemes 2−28075

switching theory
see also automata theory; combinatorial switching; sequential switching
atmospheric flight, optimal trajectories (book) 2−8140
computer networks detour routing 2−26169
computer structure partitioning into chips, diagnostic props. 2−9064
Erlang loss function and derivative, asymptotic expansion, appl. to optimization of switching systems 2−2399
integral equilibrium relations of non-full-access systems with repeated calls, and their applications 2−21401
ISDN multiservice terminal equipment design appl. 2−16309

switching transitions *see electrical conductivity transitions*

syllabic compandors *see compandors*

symbol manipulation
multipoint monitoring systems, logical organisation of decoding structures *(Russian)* 2−2254

symbols *see nomenclature and symbols*

symmetric switching functions
No entries

synchrocyclotrons
medical facility, neutron flux-density and secondary-particle energy spectra 2−3508

synchronisation
60-Hz synchroniser for logic circuits 2−769
A/D converter, Ferranti ZN427E-8, 8-bit, synchronising pulses 2−893
active synchronization control system used in DC linear motor 2−12663
additively disturbed bit-flow in the video band, synthesis of optimal synchronisation algorithms *(German)* 2−24430
clock synchronisation between two stations, using artificial satellite 2−3576
clock synchronisation expt. via SYMPHONIE satellite 2−17140
clock synchronisation technique, for tracking and controlling deep space probes 2−12049
colour CRTs, portable self-synchronisation spot wobbler 2−16855
components of synchronising and damping torques in a micro-machine system 2−4092
current and torque stresses in synchronous machines/ due to sequential out-of-phase synchronizing 2−4056
d.c. reversible drives, synchronisation control using microcomputer controller 2−12966
digital, video signals in TV broadcasting appl. *(German)* 2−6890
digital information, method *(Croatian)* 2−16168
digital PCM-ADPCM convertor for digital tandem connections 2−21304
digital phase-lock AFC systems, input noise correl., anal. 2−9047
digital satellite communications, unique word detection method and its error rate performance 2−21795
digital subscriber loops, German Bundespost transition to ISDN 2−6724
digital telecommunication network synchronisation 2−26171
electro-optic oscillator, high freq., using integrated interferometer 2−25546
error detection using binary linear coset code 2−10631
EWSD digital telephone switching systems 2−16297
Ferranti ZN427E-8 8-bit A/D convertor conversion timing charact., pulse synchronisation 2−901
frequency-hopped MFSK communication system, freq. synchronisation 2−6481
frequency-hopped multiple FSK communication system, time synchronisation 2−6769
geodesy, present state of Laser Synchronisation by Synchronous Orbit (LASSO) expt. *(French)* 2−3575
HVDC power convertor with twelve pulses and equidistant firing system, simulation model 2−27465
IC U 706 D thyristor multiphase control unit for mains rectification *(German)* 2−13966
initial synchronisation of high time-bandwidth product signals *(German)* 2−21360
Integrated Services Digital Network, synchronisation of switching and transmission systems 2−10943
ISKRA-NAS 6200, synchronising device for small power plants *(Slovenian)* 2−12608
laser synchronisation from stationary orbit (Lasso), Sirio-2 program 2−7366
lock detector algorithms for synchronization for PN code lock verification or carrier loop lock verification 2−10647
m-sequences, benchwork synchronisation 2−26072
master-slave techniques, clock circuit systems for digital data network, development 2−2646
microprocessors, on-chip time implementation, low-freq. synchronization of high-freq. signals, time-of-day and interval timers 2−19715
mobile user satellite system techniques 2−2771
multiple dwell serial synchronisation of pseudonoise signals 2−6483
oscillator with hard nonlinearity, synchronisation charact. 2−19589
oscillators, frequency synchronisation using external resonator 2−14005

synchronisation continued
phase-locked loops, proportionally integrating active filter type, synchronisation time 2−14033
portable clock for precise time transfer 2−3284
precision remote comparison of time and frequency *(Japanese)* 2−11633
pseudo noise acquisition algorithms, variable and fixed dwell-time, comparison 2−2362
pulse balance in the phase control system of the thyristor convertor *(Russian)* 2−4298
pulse phase-lock AFC systems, input noise correl., anal. 2−9047
rate half convolutional codecs 2−21685
RLC-circuit response to impulsive voltage with pulse-width modulation *(Russian)* 2−18321
runlength-coded facsimile pictures, line synchronisation for disturbed data transmission *(German)* 2−10811
satellite TDM communication with dynamic bandwidth allocation, improved timing synchronisation 2−2738
satellite-switched TDMA frame synchronisation clock correction 2−2756
satellite-switched TDMA on-board clocks 2−11033
self-starting reluctance motor design 2−23270
SHF oscillators, synchronised operation coupled through ring power adder 2−19587
signal synchronisation and decoding, Fourier transformation appl. 2−2279
signal synchroniser charact. *(Russian)* 2−2322
sound motion picture film conversion in another projection freq. *(Russian)* 2−16749
split phase data synchronizer using flip-flops 2−5205
spread spectrum acquisition strategies 2−6463
switching power supplies, using NE 567 PLL 2−8969
symbol cross-spectrum method 2−6482
synchronising circuit for photographic flashes *(Italian)* 2−5308
test step synchronisation cct. for external equipment 2−11345
three-phase controlled rectifier bridge, microprocessor based controller 2−13973
time freq. filtration *(Russian)* 2−2334
timing signal propagates without phase shift 2−5317
turbine-generator loss-of-life analysis after faulty synchronisation 2−23282
TV broadcasting video synchronisers in practice for signal distrib. system 2−2859
TV camera sync failure protection IC 2−16622
TV receiver synchronization signals, time instability meas. automatic meter with 2-3 ns meas. error *(Russian)* 2−3212
TV video signals, digital synchronisers, economical alternative 2−2925
two-way time transfer, simultaneous, using Symphonic satellite 2−26704
video signal B3565 Marconi synchroniser, soln. to synchronisation problem 2−2924
video signal digital freq. synchronisers DFS 1750, design 2−2923
video signals, Questech 6001P component coded PAL framestore synchroniser 2−11207
VLSI chips, automatic adjustment of several decentrally generated clock pulse sequences of a computer distributed over several VLSI chips 2−5176
wideband satellite communications, open-loop ns synchronisation 2−11048
wind turbine generator resynchronisation methods 2−7792

synchronising reactors *see current limiting reactors*

synchronism *see synchronisation*

synchronous generators
see also alternators
6-phase with two Y-connected windings, sudden short-cct. current, electromagnetic torque analysis 2−18179
60 kVA permanent magnet starter generator system for aircrafts 2−17501
220 MVA synchronous generator motor design and operation data in Markersbach pumped storage hydroelectric power plant *(Czech)* 2−27816
230 kV, stator windings performance calc. 2−4097
300 MVA superconducting generator, prototype development progress 2−18186
aircraft AC generating equipment developments 2−3565
analysis of the operation of an electrical system during simultaneous operation of synchronous and asynchronous generators 2−12165
brushless, control efficiency *(Russian)* 2−23275
brushless exciter with bridge rectifier, resultant magnetizing force of multiphase winding for a flow of nonsinusoidal current 2−18189
calculation of currents and voltages for multiphase synchronous generators with bridge rectifier load 2−18188
characteristics of an asynchronized synchronous generator 2−27891
compensator with brushless excitation, thermal tests 2−18193
DC thyristor electric drives, steady-state operating regimes mathematical description using harmonic components and Laplace finite transform 2−28149
design of synchronous generators with prescribed dynamic characteristics *(Russian)* 2−12605
digital simulation of synchronous generator feeding dynamic DC load 2−18203
dual-excited, stability dynamic modelling 2−4085
DWR, EMF variation determination using harmonic anal. 2−4102
DWR, transients calc. model 2−4084
effect of machine saliency on overvoltages caused by the opening of a conductor 2−3728
eigenvalue sensitivity analysis in relation to dynamic performance of large generators with excitation system 2−4099
electronic micro machine simulation 2−4072
electronic simulation of a hydrogenerator with static excitation 2−7825
fault simulation of divided winding rotor synchronous generator with rectifier excitation 2−4055
finite element mesh generation using a small computer with interactive raster graphics 2−4105
finite-element solution of transient electromagnetic field problems in electrical machinery 2−4104
GCK three phase synchronous brushless generators, charact. 2−7830
high-speed electrical machines, problem of optimisation of flexible mounts compliance *(Russian)* 2−12609
hydrogenerator, mica-resin insulated coils, tests and degradation criteria 2−7824
insulation discharges, RF detection by loop probe 2−26811
ISKRA-NAS 6200, synchronising device for small power plants *(Slovenian)* 2−12608

synchronous generators continued
laminar insulation system phenomena preceding breakdown under action of strong electric field *(Polish)* 2−23267
large superconducting generator development benefits for utilities 2−18210
multiple thyristor convertor loads transient behaviour anal. 2−7818
multistacked permanent magnet generators−the relation between output and magnet characteristics 2−18215
non-salient pole, three-phase, steady state reactances calc. by finite element method *(Croatian)* 2−4053
out-of-phase interval during short-circuit fault as source of protection *(German)* 2−4052
permanent-magnet with claw shaped rotor, steady-state and transient characts. 2−18214
power system stabilization via excitation control of two-axis synchronous generators 2−7492
private generating plants with synchronous generators/ 2−3670
pumped storage power station, Markersbach, electrical and automation equipment, operational problems and electrical protection *(Czech)* 2−27817
salient pole, asynchronous operation analysis 2−12612
solid rotor with divided winding, optimal controller design employing output feedback 2−7822
stabilised generator model for three phase sinewaves 2−761
stability of a synchronous generator with AEC under excitation modulation 2−23277
subsynchronous resonance, laboratory measurements 2−7504
superconducting, transient characts. determ. 2−27895
transient characts. model 2−4088
turbine-generator loss-of-life analysis after faulty synchronisation 2−23282
unsymmetrical loads limit determ. *(Rumanian)* 2−27887
wind driven generating plant, choice of generator, tests and characts. meas. methods *(Italian)* 2−18112
windings for EHV operation *(German)* 2−7819

synchronous machines
see also synchronous generators; synchronous motors
AC microsystem with DC connections, simulation criteria *(Rumanian)* 2−22872
block diagram representation of multimachine synchronous power system/ 2−3697
brushless exciter transfer functions 2−18197
comparison with d.c. and asynchronous machines, with and without static converters *(Dutch)* 2−23276
complex nonlinear circuits periodic processes anal. using differential harmonic method 2−27890
components of synchronising and damping torques in a micro-machine system 2−4092
current and torque stresses in synchronous machines/ due to sequential out-of-phase synchronizing 2−4056
d-axis equivalent circuit parameters 2−4100
damper winding, two-phase short-circuit linear differential equation model 2−19363
desynchronised, two-machine set, contactless, differential equations of generalised mathematical model 2−27897
doubly excited, stability criterion 2−4083
doubly-fed synchronous machines in power system, operation anal. *(Russian)* 2−3668
dqO coordinates equation system, modal transformation *(German)* 2−27889
electric energy systems, state eqns. for computing electromechanic transient states *(German)* 2−27368
electrodynamic model tests on an electromechanical frequency changer for flexible coupling of electric systems 2−4275
electromagnetic oscillations, voltage control effect on damping *(German)* 2−27888
EM noise abatement 2−4109
excitation cct. surge protection *(Russian)* 2−4060
excitation control *(Russian)* 2−23269
external flux leakage meas. 2−4107
homopolar, principles and construction, armature slot geometry and magnetic flux and flux linkage characts. *(German)* 2−27934
impact of slot harmonics on losses of high-speed permanent magnet machines with a magnet retaining ring 2−23272
infinite bus connected, transient stability anal. 2−4082
influence of axial stray-fields on the performance of superconducting machines with high pole numbers 2−7832
integrated generator convertor system for HVDC transmission 2−18201
invertor-fed series wound excited reluctance machine, adaptive control 2−12631
iron losses calc. *(Czech)* 2−27886
large, design, manufacture, and operation, book 2−23879
load angle dynamic meas., relative displacement of nearly synchronous phenomena determ. *(German)* 2−3268
metadyne analogies 2−4110
multimachine model for investigating synchronous machine interactions 2−4091
non-salient pole, electromagnetic wave propagation calc. in slots with flat conductors 2−27898
nonlinear differential equations, digital computer simulation 2−12604
normal and low freq. short-circuits evaluation 2−4090
on operating conditions of large doubly-fed asynchronous machines in a power system 2−3675
oscillation equation and constants derivation *(Slovak)* 2−7816
Park-Gorev equations of slow transients of synchronous machines *(Russian)* 2−12606
permanent magnet synchronous doubly-salient couplers, characts. prediction 2−12629
power transmission to a synchronous machine for large-horsepower, adjustable-speed drive systems 2−18216
reactive power compensation for energy savings, compensating capacitors characts; construction and manufacture review *(German)* 2−3673
rectifier-loaded synchronous machine with damper winding model 2−18198
salient pole, electric drives electromagnetic and mechanical transients calc. 2−4390
salient pole, electromotive force in additional stator winding, calc. 2−18190
salient pole, self-excitation, causes and measures *(Russian)* 2−12607
salient pole, with dampers, short cct. behaviour anal. 2−7820

synchronous machines continued
salient pole synchronous machine, electrodynamics 2−4062
salient pole type, age-related failure of wire-wound rotating field poles 2−23283
salient-pole, EM fields, digital computer model 2−18191
saturated, EM torque by finite element field calcs. 2−18183
saturated, performance analysis 2−4101
simulation of AC machines by SPICE program 2−4108
single-phase synchronous machine drive with induced excitation, synchronous performance 2−18645
slow speed, rotor dynamic forces calc. 2−4086
small and special electrical machines, conf. London, England 22-24 Sept. 1981 2−12581
solid salient pole, asynchronous start-up, electromagnetic thermal and mechanical values calc. *(French)* 2−4050
stabilisation through integral action 2−27884
stability anal. 2−4087
stability region maximisation control law for operation in network 2−27899
superconducting field winding, mag. reaction field in end region 2−7826
synchronous machine conducting plate, EM field, partial differential equation model 2−19364
synchronous machines performance in HVDC networks as affected by saliency and controlled and uncontrolled commutation 2−18199
synthesis of regulation functions for asynchronized synchronous machines using invariance theory 2−12613
thyristor controlled synchronous motor drive in rolling mill, rotor oscillations anal. *(Russian)* 2−7846
thyristor-excitation system overvoltage 2−27896
two rotor windings, influence of excitation change, calc. *(Russian)* 2−23274
voltage source invertor/synchronous machine drive systems, steady-state perform. 2−18664

synchronous motors
see also hysteresis motors; reluctance motors
220 MVA synchronous generator motor design and operation data in Markersbach pumped storage hydroelectric power plant *(Czech)* 2−27816
300 kW, for compressor drives, static excitation system with automatic control of power factor *(Rumanian)* 2−23268
adjustable frequency drives for large mechanical-draught fans 2−18643
adjustable frequency synchronous motor drives, appls. 2−18651
autopiloted current source invertor fed, performance anal. 2−18195
breaker control circuit/ for 6-10 kV synchronous motors/ *(Russian)* 2−4063
characteristics of linear synchronous motor drive cycloconverter for Maglev vehicle ML-500 at Miyazaki test track, Japan 2−8044
commutation with 6- and 12-pulsed convertor-fed synchronous motors *(German)* 2−4051
computation of the magnetic field and of the thrust of the linear synchronous motor with ferromagnetic poles *(Russian)* 2−7874
condition for torque compensation of a superconducting excitation winding in high-power slow-running motors *(Russian)* 2−27892
cooling of electrical machines/ *(German)* 2−4054
current source invertor driven, performance anal. 2−18202
currents flowing in damper winding bars of different resistivity in a heavy duty low speed motor 2−12611
DC/AC electric motors speed control and drive systems, applications *(Dutch)* 2−18157
development of a unified series of controlled induction and synchronous reluctance motors 2−4064
developments in the field of medium voltage synchronous and induction motors *(French)* 2−7815
doubly thyristor fed, velocity control system characts. 2−18181
drive, with thyristor frequency convertor, math. model. 2−4391
dual-excited, round rotor-type, asynchronous starting characts. 2−7817
electronic protection schemes *(German)* 2−18164
electronic-motor convertor aggregates operation computer simulation *(French)* 2−27901
excitation optimisation for Fe ore mines *(Russian)* 2−27894
frequency controlled, operating regimes anal., energy loss minimisation 2−18192
geometry determination for one phase synchronous motors/ with claws 2−4255
heavy starting large synchronous motors, hybrid computer simulation 2−12603
high field permanent magnet, performance anal. 2−12623
high power permanent magnet, rotor design 2−12622
high speed, torsional coordination 2−18185
homopolar linear permanent magnet, magnetic field calc. finite element model 2−12615
homopolar linear permanent magnet, magnetic field calc. finite element model 2−12616
inductor motor, with permanent magnet rotor, air gap distribution 2−12627
inverter-fed synchronous motor, microcomputer controlled 2−18187
invertor fed, commutation and performance anal. 2−18205
invertor fed, commutation and performance anal. 2−18207
invertor fed, excitation control and performance anal. 2−18204
invertor fed, low-speed commutation and performance anal. 2−18206
invertor fed, performance anal. 2−18200
invertor-fed synchronous motors with variable speed, excitation systems 2−12633
investigation of the magnetic field of the armature reaction and the thrust of the linear synchronous motor with ferromagnetic poles *(Russian)* 2−7875
ISOSYN permanent magnet synchronous motors, design, performance and applications 2−18213
laminated and solid iron poles, high speed, torsional coordination 2−18184
linear, with iron poles, EMF in stator *(Russian)* 2−18276
linear, without exciters, EM field of stator coil with massive conductors, anal. *(Russian)* 2−7872
linear for propulsion/levitation, magnetic fields calc. model 2−12617
linear for propulsion/levitation system, magnetic field calc. finite difference model 2−12619
linear homopolar, magnetic field calc. finite element model 2−12618
logic automatic system for excitation control of synchronous motors, analysis and synthesis *(Russian)* 2−27893

synchronous motors continued
low speed high power drive, with wrap around motor and adjustable frequency cycloconverter 2−18634
microprocessor control of invertor-fed synchronous motor 2−7831
microprocessor-based convertor fed self-control, starting scheme 2−18196
miniature, current-fed, double-stator, speed oscillations anal. using steady-state methods 2−18212
noise reduction of synchronous motor-gearbox mechanical drive/ 2−4401
nonsinusoidal current source invertor fed, performance anal. 2−18208
open winding microprocessor-based invertor fed, performance anal. 2−18209
optimal winding design of a permanent magnet motor for self-controlled inverter operation 2−7821
oscillating, development in USSR 2−12620
oscillatory synchronous linear motor in electro-mechanic resonance 2−12614
permanent magnet, digital computer simulation of dynamic performance 2−18217
permanent magnet, rotor design 2−12624
permanent magnet, slotting effect field anal. 2−12621
permanent magnet motors, high-field, performance characts. comparison for different magnet materials 2−18211
permanent magnet synchronous motor drive with current source invertor, steady-state anal. 2−12978
PM, electronically operated, magnetic field model 2−4061
polyphase permanent magnet, performance anal. 2−12626
present position and development trends in adjustable speed AC drives *(German)* 2−8025
rare earth cobalt permanent magnet, rotor design 2−12625
reactive power regulation *(Russian)* 2−18180
rectifier motor, single channel control system for invertor 2−18340
rotor-position-controlled permanent magnet synchronous machines for electrical vehicles 2−23279
selection of permanent magnet material in axial-field electric vehicle traction motors 2−13015
self-controlled synchronous motor speed control system, dynamic performance anal. 2−12632
self-controlled synchronous motor without shaft positions sensor, starting operation 2−12634
self-starting, finite element anal. 2−23273
semiconductor automatic excitation regulator, guidance on hermetic contacts *(Russian)* 2−7827
single phase motor starting control, relay cct. 2−4320
small fluctuations of synchronous motors in the supplies of plants with steel-smelting arc furnaces *(Russian)* 2−4059
solid pole, pointing vector and impedance 2−18182
speed control, suppressing or enhancing hunting 2−7829
steam turbines pump drives *(Russian)* 2−23090
superconducting magnetic levitation railway, R&D present status in Japan 2−8047
surface loss reduction in grooved solid poles 2−7823
three phase stator windings, transient anal. *(Russian)* 2−4058
three-phase drive, frequency convertor fed, industrial appl. 2−28150
thyristor commutatorless motors, effects of mag. saturation 2−12979
transistor power convertors for synchronous motor control *(Norwegian)* 2−7932
variable speed thyristor converter-fed synchronous motor drive 2−8027
wide air-gap synchronous magnetic couplers 2−4111

synchros
bridge instrument voltage, current and commutation angle computations *(Polish)* 2−17046
shaft angle measurement, positioning using synchros, resolvers 2−18283
small-size rotating transformers and selsyns 2−4268

synchroscopes *see cathode-ray oscilloscopes*

synchrotron radiation
CHEER, synchrotron radiation possibilities 2−17193
DESY, beam lines and instruments for synchrotron radiation expts. 2−7255
electron, photon emission in mag. and EM wave fields *(Russian)* 2−21036
electron beam, ang. vel., RMS spread, meas. from synchrotron radiation 2−11721
MAX, beamline I modifications for synchrotron radiation research 2−7257
MM wave emission, from intense relativistic electron beams in uniform and rippled magnetic fields 2−14580
PTB, synchrotron radiation facility 2−7258
relativistic electron oscillators, intense stream produces highly efficient directed synchrotron radiation 2−20020
relativistic electrons, fluctuations in energy losses by synchrotron radiation 2−25903
SRS, progress report 2−7305
synchrotron X-ray experiments, detection apparatus *(Japanese)* 2−7283
X-ray crystallography expts. at DESY 2−7304

synchrotrons
6 MVA thyristor static compensator for the CERN intermediate booster accelerator *(French)* 2−7909
beam extraction system 2−3340
Brookhaven AGS, polarised proton accel. 2−27002
CERN super proton synchrotron, RF accelerating systems 2−27021
energy dispersive X-ray diffraction stage for analysis of high pressure polycrystalline specimens using synchrotron radiation 2−11691
Fermilab Energy Doubler magnets, harmonic meas. 2−3327
Fermilab Tevatron project, status report 2−27003
injector design for electron-positron storage ring 2−17199
internal electron beam angular divergence reduction 2−3341
KEK booster, head-tail instability induced by matched kicker magnet 2−3335
LELA undulator design 2−11710
matched race-track with quadrupole lenses 2−7248
proton synchroton, particle bunches, longitudinal dipole instability 2−17215
PTB, synchrotron radiation facility 2−7258

synoptic climatology *see climatology*

synthetic rubber *see rubber*

system documentation *see program and system documentation*

system failure and recovery
see also operating systems (computers)
Cadillac electronic ignition control microprocessor malfunctions 2−8052
deadlock algorithm in distributed databases, local and global deadlock detection *(Japanese)* 2−26271
digital hardware fault propagation characterisation as simple Markov process 2−150

system recovery *see system failure and recovery*

system theory
see also artificial intelligence; identification; information theory; modelling; pattern recognition; simulation
network reliability, optimum allocation *(Chinese)* 2−13905
optimisation, using harmonic analyser and correlator *(Rumanian)* 2−26070
postman polyhedron adjacency 2−4841
random flights on regular polytopes 2−4840
research and development management, systems approach 2−31
scientific basis of system studies in power engineering 2−12123

systems analysis
see also program and system documentation
ATE decision processes and tools, demonstration report 2−22140
avionics integration support facility, embedded computer software modification config. and data management 2−7373
CHILL software development system for SPC telephone exchanges 2−26334
electric power generation, economics, reliability and rates, book 2−23872
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems, design and construction 2−3871
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems 2−3874
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems, design and construction 2−7684
EPRI Reliability and Maintainability Analyser for reliability simulation of complex systems 2−7686
GTD-5 EAX software development environment 2−26345
IBM series/1 minicomputer for system verification and calibration 2−22109
INS8073 microprocessor as basis of microcomputer system 2−14140
invertor supplied induction heating systems, software development appl. *(German)* 2−18760
invertor supplied induction heating systems *(German)* 2−18760
process control software, reliable software, development and validation methodology 2−12376
Russian fuel energy complex, long term prediction, system studies 2−12332
scientific information systems in Japan, group study on planning 2−2539
structured approach for software design, microprocesor appl. software 2−24558
system studies and methodological problems of comparative economic efficiency in power engineering 2−12161
topological design, dynamic problems, computer networks and data transmission networks *(Russian)* 2−26270
training course design, system design approach 2−13207

systems design *see systems analysis*

systems engineering
see also systems analysis
ATE computer programs, hidden cost considerations in long term use 2−18985
district heating system operational reliability improvement *(Spanish)* 2−27698
international videotex networks, automatic language translation 2−21532
law enforcement 2−67
power system security enhancement by co-ordinated planning and operations engineering 2−17680
production reactor productivity improvement plan 2−17913
telecommunication system connection reduction without loss of availability by facility grouping *(Croatian)* 2−26194
whole-system design, systems engineering approach 2−4632

systems programming *see systems analysis*

systems software
see also operating systems (computers); utility programs
multistation terminal system with video and printing units *(Italian)* 2−16181

table lookup
see also data handling
digital multifrequency receiver using FIR quadrature filters with window functions 2−6699
encipher/decipher data operations, terminal control, static session keys table generation 2−21588
logarithmic processing memory-oriented transmultiplexer architecture and simulation 2−2647
MOSFET, 3-D table look-up model for precise circuit simulation 2−14889
telephone network signalling convertor for digital transmultiplexer 2−6676

table-top computers *see minicomputers*

tables (data) *see collections of physical data*

tachometers
see also angular velocity measurement
1/x functions, circuit for evaluating using EPROM *(German)* 2−22397
analogue tachometer/generator, operation and construction 2−26820
automobile fuel economy indicator, using intelligent electric tachometer 2−8058
cardiotachometer, microprocessor-based, heart rate meas. in rest or exercise stress testing 2−3500
DC torquer-tachometer, integrally-wound, electromagnetic coupling problems and application 2−18285
digital, transient speed meas. for variable speed drives 2−7129
electronic conveyor belt weigher, errors in tachometer generator, materials handling appl. 2−26972
electronic tachogenerator, using LED IR radiator, photo-transistor detector 2−7099
radionavigation, residual voltage influence *(Russian)* 2−3025
tachometric bridge dynamic correction in automatic compensators for constant voltage *(Bulgarian)* 2−26895

tackiness *see adhesion*

tandem accelerators *see particle accelerators*

tantalum electrolytic capacitors *see electrolytic capacitors*
tantalum rectifiers *see electrolytic rectifiers*
tape recorders
see also magnetic heads; magnetic recording; video tape recorders
bandwidth equalization techniques *(German)* 2−26682
bit error rate performance of high density tape recorders for image processing, methods of improving bit error rate 2−12055
Blaupunkt Berlin SQR 82-PCI cassette car radio receiver *(German)* 2−16589
cassette, development trends *(Polish)* 2−3014
cassette, noise suppression problems due to compandors *(German)* 2−22006
cassette torque meters *(German)* 2−3209
CS-W7 compact-micro dual radio-cassette recorder 2−26687
data recorders, microcomputer-controlled video cassette-type, appls. 2−7132
detector receiver to Hi-Fi stereo unit, review *(German)* 2−16728
digital, multi-track, ccts of input stages and speed-control freq. generator 2−26693
digital audio equipment, trends *(Japanese)* 2−3007
digital audio tape recorders *(Japanese)* 2−11294
digital level indicator for minicassette recorder, using LEDs *(French)* 2−22302
digital multi-track, a design using a modified Linsley Hood recorder 2−3019
digital recording on magnetic tape, mathematical model and digital simulation *(Polish)* 2−1574
digital tape recorder, high density, clock recovery system 2−25428
Dolby HX system, recording level improvement *(German)* 2−11292
drive level meters, characteristics *(German)* 2−22005
heads parameters, design and development prognosis *(Polish)* 2−1572
instrumentation magnetic tape recording: an overview 2−26714
instrumentation recorder, multichannel digital, design requirements of the digital circuitry 2−11529
Japanese miniature stereo cassette recorders, survey *(German)* 2−22021
Kennedy 9000/9700/9800 series tape recorders *(German)* 2−16738
laboratory data recording, analogue and digital 2−7138
LED VU meter, construction details 2−16998
magnetic film and tape recorder reproducer, for stereophonic/dual language broadcasts *(Japanese)* 2−2868
magnetic tape development, manufacture *(Japanese)* 2−9861
magnetic tape materials, modulation meter adaptation for volume level stereo balance *(German)* 2−11288
Mitsubishi MC-8000 music centre, vertical arrangement of units *(German)* 2−26683
Mitsubishi X-10 Interplay System, vertical music centre 2−11296
multi-channel data recorders, capabilities and market development 2−7131
multi-channel magnetic tape recorders, time base error correction *(German)* 2−26688
multichannel, digital additions to audio cassette deck 2−16750
multichannel data logger for heat pumps using C90 cassettes 2−26790
Nakamichi 700 ZXL cassette tape recorder, characts. 2−11287
noise suppression in cassette tape recorders, servicing appl. *(German)* 2−11289
noise suppression systems, Sanyo Super D, Dolby C, characts. *(German)* 2−6974
power failure detection cct., relay actuates motor dynamic brakes 2−16736
pre-studio demo-recording equipment 2−16729
quasistatic TV image recording on audio tape using modified narrowband slow scan TV system *(German)* 2−6945
radioteletype operation using tape recorders 2−10794
radioteletype-audio cassette recorder connections 2−10795
Sanyo M4500KE stereo radio/tape recorder *(German)* 2−11300
SE9000 digital instrumentation tape recorder, 40 kbpi storage density, 3PM code appl. *(French)* 2−26879
Sharp Optonica RT 7070 H/HB dual cassette deck, design *(German)* 2−6975
SMP-E347 drive controller for magnetic tape cassettes, characts. 2−3017
speed regulator systems design and control algorithms *(Polish)* 2−2954
studio digital tape recorder, audio equipment standardisation *(German)* 2−22018
tape-torsion measuring cassette for home construction *(German)* 2−6971
Tesla B93 stereo tape recorder, electrical checks and adjustments *(German)* 2−11299
TESLA EAM 500 instrumentation tape recorder, characts. 2−26893
top-quality cassette recorders, comparison *(German)* 2−16747
tariffs
automation of industrial electric energy consumers' accounting in Poland *(Polish)* 2−27360
City of Bern electricity utility (EWB) *(German)* 2−22793
district heating, planning *(Russian)* 2−23753
electric energy costs effect on industrial development and society in Germany *(German)* 2−27353
electric load shifting by differential electrical tariffs *(Italian)* 2−7482
electric power demand control by tariff adjustment 2−7479
electric power generation book 2−23872
electric power production development, hydroelectric and thermal power stations mix effect on costs *(Slovenian)* 2−27357
electrical networks programming, control and optimisation of power absorbed *(Italian)* 2−7527
electrical power, European rates comparison *(Spanish)* 2−22789
electricity, socioeconomic and political considerations for greater flexibility *(Swedish)* 2−27350
electricity pricing by theory of second best, feasibility and potential usefulness 2−3704
electricity tariffs analysis and energy usage monitoring, microcomputer appl. 2−22800
energy supply metering at distribution transformer, losses *(German)* 2−27582
French public packet-switching data network status and prospects 2−21615
international telecommunication services, study of prime costs and tariffs *(French, German)* 2−16009
maximum-demand, importance *(Croatian)* 2−27371
spot pricing implementation, with interactive load control 2−22799
Swedish automatic mobile telephone network proposals *(Swedish)* 2−21445
utility electrical rates and customer bills in USA 2−7480
Taylor instability *see flow instability*
t.d.m. *see time division multiplexing*
teaching
see also demonstrations; education; student laboratory apparatus; training
amateur radio, basic elec. theory 2−13191
artificial intelligence teaching in Portuguese universities, recommendations, relevance and justification *(Portuguese)* 2−18884
communication studies, electrical engineering students, problems 2−23910
conducting tube shielding effects, experimental case study for students 2−15614
control course laboratory procedure, approach to microprocessor incorporation 2−13189
digital computer usage in educational institutions 2−18901
digital filter concept implementation for student case study using Intel 2920 single-chip signal processor 2−14221
ECG recorder design, portable powerline-operated, student-faculty project 2−27189
education conf. Rapid City, South Dakota, October 19-21, 1981 2−18873
electrical engineering profession and professionals, teaching ethics 2−18903
electromagnetic field thoery courses for electrical engineering students, teaching material *(German)* 2−23917
electronic unknown-signal generator, student oscilloscope expts. 2−23902
Fourier series presentation to undergraduate students 2−24048
in-plant masters program in electrical engineering 2−18895
instruction method as aid to integration of CAD methods into teaching 2−13181
instructional TV systems in colleges, design, implementation and program development 2−18893
interactive computing as instructional tool in two year electronics degree 2−18892
Josephson junction, simple electronic analog 2−9909
laboratory, hardware and software, description 2−18888
laboratory as teaching aid in teaching engineering student with specific symbol difficulties 2−18898
laboratory courses in IC fabrication combining video tape and hands-on-experience 2−8172
linear networks, simulation program *(Spanish)* 2−24369
microcomputer controlled step-and-repeat camera for undergraduate laboratory use 2−9717
microelectronics, lithography appls. and limitations 2−5785
microelectronics education at graduate and undergraduate level using industrial fabrication capability 2−8174
microelectronics education program at University of Arkansas 2−8179
microprocessor learning system 2−23923
microprocessor-based product design, self-training course 2−23922
microsystems, conf., London, England (March 1981) 2−23895
nerve cell teaching, electronic analogue 2−8164
PMOS VLSI design course with an NMOS text 2−9746
Spanish telecommunications engineering teaching *(Spanish)* 2−18887
statistics, analysis of variance teaching hints 2−24117
synchronous detection by analogue and digital systems as classroom demonstration 2−15886
technician engineer's potential contribution to understanding of learning process 2−4582
three-phase wound rotor induction motor reconnected as single-phase regulator as physical realisation of theory 2−18225
US engineering schools research and teaching practices comparison with European equivalents *(Italian)* 2−23904
vLSI development for research and teaching *(German)* 2−13175
teaching approaches to particular topics *see teaching*
teaching demonstrations *see demonstrations*
teaching machines *see computer-aided instruction*
technical information centres *see information services*
technical presentation
ISSTI technical document standards *(Czech)* 2−13326
writing, knowledge of audience 2−13193
technicians *see personnel*
technological forecasting
see also research and development management
analytic hierarchy process for less developed countries 2−23945
audio electronics, developments 2−16697
Australia's energy policy 2−22989
bipolar power transistors and thyristors, future developments 2−27999
Broadcasting Satellite Service, planning, future problems 2−2884
California energy futures, alternative societal scenarios 2−7599
carrier telephony system, national telecommunication network appl., development prospects *(Polish)* 2−16036
CEC programme 2−22979
coal mining optimised planning problems solution using partially-linear programming *(Russian)* 2−13226
communications, future developments 2−15976
computer memories, using high speed bipolar RAMs, PROMs 2−14120
computer science, future problems for teachers 2−13202
digital radio technology, present and future 2−6741
digital telephone exchanges, interfacing 2−2622
district heating demand and tariff planning *(Russian)* 2−23753
East German railway diesel fuel economies from annual extension of electrification *(German)* 2−23679
electric locomotives, single-phase industrial mains frequency, future trends *(Portuguese)* 2−12988
electricity consumption forecasts, methodology and appl. 2−12193
electricity from coal in USA, future trends 2−23094
electrochemical cells logistic envelope approximation 2−23401
electronic component demand forecasting, constraints and methodology 2−13138
electronic mail bulletin board expt. 2−16077
electronics, technological evolution, predictive method 2−13223
electronics developments, planning for the future 2−13222
electronics products and services, growth and forecasting 2−23942
energy, economic, environmental and political aspects 2−3831
energy demand, consumption to 2000, in US 2−23947
energy planning, Japanese programme 2−22982
energy planning in New Zealand 2−22985
energy policy and planning in India 2−22991
energy resources, Chinese programme 2−22981
environmental uncertainty and organizational technology policy 2−23931
European satellite broadcasting status and prospects *(French)* 2−21915

technological forecasting continued
Evolution of World Energy consumption (1960-1976) and Developing Countries Energy Consumption Forecasts (2000-2020) 2−17810
flexible PCBs, three-dimens. interconnection system, development, manufacture and possible future appls. 2−1012
fossil fuel demand forecasting, math. model. 2−3826
fuel cells, development and appls., present status and future improvements *(Japanese)* 2−18461
future trends in manufacturing technology 2−75
future US energy technologies: cost and oil import tradeoffs 2−23940
gate arrays, market survey, future growth *(Italian)* 2−24473
German technical communications system, extensions proposals *(German)* 2−21417
global TV communications in year 2000, satellite TV development 2−6896
graded index and monomode fibres for telecommunications, review 2−10052
home working with remote terminals, prospective benefits and pitfalls 2−6608
hydroelectric power stations, hydraulic production hypotheses determ. using Niagara model for system surveys *(French)* 2−3955
IC technology, advances and impact 2−13224
Indian capital equipment industry for component manufacture, status, scope, constraints 2−13139
information systems, VSLI, memory and print technology *(Italian)* 2−18846
innovation characts. and innovation adoption-implementation, meta-analysis 2−23934
integrated digital telephone network, long-range planning 2−16310
integrated logic circuits, future trends 2−14052
INTELSAT system during last two decades of twentieth century, orbit/spectrum resource 2−2763
INTELSAT system for telephone and TV relay services, present status and future trends *(Japanese)* 2−11014
interactive TV system development status and prospects 2−21970
interactive video graphics terminal price/performance relationship 2−21680
Italian public switched data network in European context *(Italian)* 2−21616
Japanese capabilities of local area network manufacture 2−21578
Josephson junction technology and appls. to computers and processor systems *(Italian)* 2−9915
load demand forecast uncertainty, anal. 2−7516
local area networks, remote prospect for everyday offices 2−21580
magnet wire in 1980s, manufacturing, materials and markets 2−14332
magnetic bubble memories, future market development 2−1591
magnetic heads parameters, design and development prognosis, for tape recorders and VTR *(Polish)* 2−1572
measurement technology, trends due to advances in IC technology 2−16774
methodology 2−23944
microelectronic technology, implications for Ireland in 1980s, isolated sectors 2−23885
microelectronic technology, implications for Ireland in 1980s, bibliography 2−23886
microelectronics, effects 2−14904
microelectronics, implications for Ireland in 1980s, overall assessment 2−23884
microelectronics, present and future *(Czech)* 2−9678
microelectronics employment, implications of university faculty and graduate student shortages 2−8156
microelectronics trends and impact on electronic products 2−14961
MILSATCOM, technology assessment for operation in the EHF band 2−6809
missile guidance system simulation for the '80s 2−3542
model of commercial energy demand 2−23941
monolithic ICs, future device technologies, overview 2−20382
MOS memories, future in telecommunications 2−9742
MOST, developments, limitations *(Italian)* 2−20254
multilayer PCBs, future technology trends 2−14366
national energy planning in Indonesia 2−22980
national energy plans, 1990-2000, economic and environmental impacts forecasting 2−3832
natural gas transmission and distribution systems, demand modelling 2−22915
Nepal hydroelectric programme 2−22990
oil energy resources, Korean programme 2−22983
on-line load forecasting for energy control centre appl. 2−22862
opinion in, opinion out 2−23943
optical fibre telecommunication cable, past, present and future development at Bell-Northern Research 2−21843
OTEC programme in the Micronesian islands 2−22986
PCB layout rel. to future development of electronic component technology 2−9300
Philippines 1981-5 energy programme 2−22988
photolithographic equipment selection for IC fabrication, current and future trends 2−9715
photovoltaic science and technology, current state-of-the-art and future prospects 2−18545
photovoltaic technology, outlook for European Economic Community 2−18549
photovoltaic technology for space appls., NASA outlook, trends and forecasts 2−18547
power installation development and dispatch control status and prospects 2−27336
power system, short term load forecasting, adaptive model 2−3724
private telecommunication networks, future development in Europe 2−2432
R&D organisation realignment, case example 2−23933
semiconductor industry in Europe, summary of market situation *(Italian)* 2−23862
short-term operation planning in electric power systems 2−7768
Singapore energy consumption and conservation 2−22984
society as learning system, discovery, invention and innovation cycles 2−7598
solar cell manufacture, automated process sequence using preformed cell contacts/interconnects, cost of $0.64/peak watt in 1986 2−23499
solar electric power generation, reliability planning 2−7779
solar power satellites, potential 2−27820
state energy policy development, Wisconsin experience 2−3833

technological forecasting continued
subscription TV broadcasting complementary to cable systems in USA 2−21919
Swedish automatic mobile telephone network proposals *(Swedish)* 2−21445
Swedish Datavision viewdata system proposals *(Swedish)* 2−21500
switch technology, future developments 2−989
technology, present state and future development 2−19996
technology 2006, forecasting categories 2−13225
telecommunications, future development in 1980s, regulatory context 2−21411
telephone route traffic, computerised 2−26184
teletex internal office message system prospects 2−21470
terminal display technologies for 1980s 2−16180
Thailand's national energy plan 2−22987
UK teletext system status and future developments 2−21523
United States energy supply growth, trends 2−27346
VHF/UHF propagation parameters, calculation method 2−6323
VHSIC technology utilisation in future spacecraft systems 2−11985
videotex service technology and application strategy 2−16138
VLSI technology, optical projection lithography, status in 1981 and trends for decade 2−20366
VLSI technology in 1980s, improvement factors and limitations *(Italian)* 2−14170
wave soldering, future trends 2−13284
worldwide navigation systems Omega, Transit and Navstar/GPS 2−16526
GaAs integrated circuit technology, future trends 2−14993
GaAs monolithic ICs, review *(Czech)* 2−15017
Si solar cell processing technology, possible advances during 1980s 2−23487

tectonics
geodynamics research, appl. of space technology 2−7428
plate displacement measurement by zero method pendulum *(Rumanian)* 2−17555
telemetering equipment for Japanese coseismic terrestrial electricity data system *(Japanese)* 2−7410
vertical movements preceding earthquakes, detect by telemetry ocean bottom press. obs. system 2−17566

telecommunication
see also biocommunications; carrier communication; communication channels; communication networks; communications applications of control; optical communication; radiocommunication; signalling (telecommunication networks); telecommunication traffic; telegraphy; telemetering; telephony; television
1980s development trends *(Finnish)* 2−15992
buildings, aseismic ability evaluation method 2−26179
buildings and technology, future direction 2−23964
communications management and cooperation with government, conf., Arlington, Virginia, USA (Sept. 81) 2−4578
computer support service, MSSS, development projects appl. 2−26175
conference, Denver, USA, 1981 June 2−20
developing countries, effect of communication technology 2−26177
development in India 2−15986
developments, future appls. in Finland *(Finnish)* 2−15973
developments and forecasts *(Italian)* 2−15984
developments during 1978-83 in India 2−10746
dictionary of telecommunication vocabulary 2−18856
digital signal processing in communications, conference, Loughborough, England, April 1981 2−19
EASCON, electronics and aerospace systems, conf., Washington, DC, USA (November 1981) 2−13172
European view of telecommunications market 2−2430
external plant and services, 25 yr. review 2−15981
Federal German Post Office, considerations of uncertainties in profitability calcs. *(German)* 2−8183
Federal German Post Office, effect of pricing charges on profitability *(German)* 2−8182
Federal German Post Office, profitability calculations *(German)* 2−8181
French Telematique Program 2−6513
future development in 1980s, regulatory context 2−21411
future developments, the next 25 years. 2−15983
German Posts and Telegraphs Dept., investigation by Monopolies Commission *(German)* 2−6497
health applns. in the Third World 2−6496
international policies, European view 2−8184
international service, British Post Office, review 2−15980
Latin American development in 1970s 2−15995
long distance telecommunications service competition 2−6546
management, legal problems, AT&T example 2−2416
management control of company communications 2−15974
marketing principles, test equipment illustration 2−26174
microelectronics appls., development trends *(German)* 2−2417
NTT activities in CCITT 2−21412
PCM timing jitter meas. 2−21265
People's Republic of China, general review of communications industry 2−26178
quality of service, public satisfaction, technical indicators and policy formulation *(French)* 2−15977
research, at British Post Office, review 2−15982
review, the past 25 years, telecommunications and society 2−15978
role of technology in the development of the Australian telecommunications network 2−10747
services, effect of computer developments 2−10745
small business market, telecommunication trends 2−6512
Spanish telecommunications engineering teaching *(Spanish)* 2−18887
Taiwan telecommunications industry, present state and future development plans 2−15985
teaching communication studies, electrical engineering students, problems 2−23910
TEC Unit Radio Systems 2, telecommunication textbook 2−23921
telematics development compared with industrial revolution 2−10749
telematique, French development programme 2−15994
training in industry, manufacturer's point of view 2−13192
West German Telecommunications Central Office, present activities *(German)* 2−10750

telecommunication cables
see also coaxial cables; submarine cables; telephone lines; underground cables
560 Mb/s PCM cable transmission, optimum decision feedback receiver 2−6735
cable terminals, using raised water protector units 2−19911
CCITT Study Group recommendations on jointing 2−10950
CCITT study of telecommunication line interference due to high-freq. transmitters 2−21139
circular insulated conductors, determ. of elec. potentials and capacitances *(Russian)* 2−15596
compensation conductor damping, effect reduction factor calc., high voltage interference suppression *(German)* 2−15739
computer networks, cable choice 2−16325
contribution to calculations of interference by thyristorised units to cables alongside a railway line 2−8048
crosstalk attenuation value and electostatic coupling in symmetrical cable 2−21713
damage, vulnerability to lightning discharges, anal., protective measures 2−16317
digital communication systems, using CC Cu conductors, for improved speech transmission and simultaneous transmission of telex, teletext and pictures *(German)* 2−16312
fault location, by capacitance monitoring 2−16320
fibre optic cables appl. in local subscriber networks 2−2577
fibre-optic cable design, cylindrical V-groove struct. *(French)* 2−21836
five categories, specifications and standardisation, Holland *(Dutch)* 2−6728
IKM 120 influence of high pass filters on performance *(Bulgarian)* 2−2654
insulated cable production, process control synthesis *(Czech)* 2−14324
insulation production, process control synthesis *(Czech)* 2−24748
jointing using MMM Company system *(Italian)* 2−21712
miniature cables for Pentaconta telephone exchanges, polyvinyl insulated *(Polish)* 2−6674
moisture damage, electronic monitoring system 2−16319
optical, installation experience 2−6838
optical cable, properties under frozen water in a conduit, degradation prevention method 2−2782
optical cable pulling, long-spin installation machine 2−21851
optical cables in telecommunication systems, transmission props. meas. *(Czech)* 2−26503
optical fibre telecommunication cable, past, present and future development at Bell-Northern Research 2−21843
optical fibre trunk cable transmission characteristics and structural design 2−2803
PCM trunk networks, design criteria 2−16322
protection against fire, development trends 2−5392
railway cable telecommunication circuits, noise induced by electronically regulated electronic locomotive *(Italian)* 2−6729
splicing machine for communication cable conductors 2−26381
symmetrical long distance cables, length-dependence of the damping constant, multiterminal distributed parameter network representation *(Hungarian)* 2−6731
telephone cable types, appl. *(German)* 2−2649
underground, latest techniques in fault localisation and other testing methods 2−8288
underground, pressurised, computerised flow and pressure monitoring 2−16318
underground, tunnel management system 2−26380
underground cables, corrosion protection in urban regions 2−16326
undersea cables, automated handling system 2−21727
waterproofing using FLEXGEL compound 2−24755
wet cables, forced air restoration method 2−10951

telecommunication equipment
see also codecs; line concentrators; multiplexing equipment; radio equipment; repeaters; television equipment
adaptive quantizer with extended dynamic range 2−2593
antistatic protection of semiconductor devices 2−21413
digital channel parameter meas. system 2−11415
digital filtering using a custom designed device, FAD 2−16914
digital filters, design *(Czech)* 2−16315
disabled people, appls. 2−10761
economic considerations for leasing and buying equipment 2−26182
Fairchild advanced Schottky TTL, charact. *(Italian)* 2−9049
frequency synthesizer with high output level accuracy, communication line meas. *(Japanese)* 2−11497
integrated circuits for telecommunication and data communication applications 2−6495
LSI design, development standards *(Japanese)* 2−26198
mechanical durability test, loads occurring during transport *(Hungarian)* 2−8255
NMOS ICs for telecommunication equipment, technical problems of analogue blocks *(Hungarian)* 2−14995
p-i-n diodes, appl. in RF telecommunication and radar systems *(Italian)* 2−19813
parabolic antennas as components of communication transmission systems *(German)* 2−26045
patent applications for telecommunication equipment in USA 2−4601
proliferation and market complication 2−21415
sensors, their role in electronic communications *(Japanese)* 2−11445
shore terminal equipment for 140 MHz wideband submarine cable system *(Japanese)* 2−21717
signal recording techniques *(Polish)* 2−2594
solar energy power supplies *(French)* 2−15999
spaceborne communication transponders, TWTA replacement with GaAs C-band FET amplifier 2−5349
telecommunication circuits testing, correlation study of modern techniques used 2−22102
test surge wave determ. method for telecommunication transmission equipment *(Japanese)* 2−13240
thick film circuits for telecommunications equipment 2−1054
thyristor rectifier for new power supply system for large telecommunication plants 2−18322
transient protection for solid-state communications equipment 2−10765
underground mining, telecommunication equipment, review 2−26204
GaAs MESFET appls. in telecommunication systems *(French)* 2−19867

telecommunication links
see also optical links; radio links; satellite links; space communication links
bidirectional audio link, circuit modifications 2−11268
military tactical, resistance to jamming by bandwidth expansion 2−6757
optical fibres use *(Italian)* 2−1691
railway cable telecommunication circuits, noise induced by electronically regulated electronic locomotive *(Italian)* 2−6729

telecommunication systems
see also data communication systems; digital communication systems; radio systems; switching systems; telegraph systems; telephone systems; television systems
140 MHz submarine coaxial cable system design *(Japanese)* 2−21715
antijam communication systems created for the signals corps. 2−6505
Australian services 2−2422
BK-960-2 transmission system, technical data and design features 2−2447
British Telecom, monopoly ending in UK 2−21460
British Telecom, safety considerations in design of equipment and plants 2−13231
broadband switching network with 28 OMbits/s *(German)* 2−10732
codes for an adder channel with multiple correlated sources 2−21298
compatibility in communications links in USA 2−16003
connection reduction without loss of availability by facility grouping *(Croatian)* 2−26194
continuous-digital filtering, lower reading freq. limit 2−10696
crime countermeasures, conf. Lexington, USA, 1981 May 2−13157
crosspolarisation site-diversity measurements at 11.8 GHz 2−26464
development world wide and in Yugoslavia *(Slovenian)* 2−26176
digital telematics networks evolution, ISDN switching office model *(Italian)* 2−16008
electrical protection at subscriber's station 2−10891
emergency power supplies, stationary flywheel energy storage appl. *(German)* 2−12950
fibre optic transmission system, connections among system parameters *(Hungarian)* 2−16466
German Meteorological Office, telecommunication system *(German)* 2−16215
German technical communications system, extensions proposals *(German)* 2−21417
H6702 tactical internal communication system for small naval ships 2−21441
Hungarian maritime satellite communications, current situation and development trends *(Hungarian)* 2−21775
INMARSAT telecommun. system, shipborne equipment standards *(Polish)* 2−6803
interactive communications systems simulation model 2−6526
interactive computer graphic aid, CADDIE, behavioural specification new equipment appl. 2−15988
interference effects and countermeasures *(German)* 2−26193
international, study of prime costs and tariffs *(French, German)* 2−16009
large public buildings services, Warsaw Airport example *(Polish)* 2−2433
lightning protection technology, recent developments *(Japanese)* 2−13239
LSI role and development in Japan's NTT *(Japanese)* 2−26197
maritime satellite telecommunications, technical and traffic aspects *(Hungarian)* 2−11016
market penetration of new systems, problems *(Italian)* 2−15998
mathematical functions, uses in telecommunications 2−15987
modern electricity/electronics, book 2−4573
motorway telecom. emergency alarm system *(Polish)* 2−21658
new systems and services, conf., Liege, Belgium, Nov. 1980 2−18867
office communications equipment 2−6506
office systems, uniformity and variety 2−21432
parabolic antennas as components of communication transmission systems *(German)* 2−26045
passive RC-phase-shifter for a tone-frequency channel 2−2655
planning for USA Federal Government information systems 2−21433
planning methods of telecommunication installations *(German)* 2−16002
point-to-point PCM transmission systems, service availability 2−10892
power supply equipment for large telecommunication plants 2−27326
power systems, lightning surge investigation and protection *(Japanese)* 2−17760
priority queueing using double input channel priority network 2−10725
rural telecommunications via satellite 2−21794
satellite, Intelsat IVa, Zaire communication network *(Spanish)* 2−2744
satellite switched TDMA Advanced Westar system, space segment, ground station configuration 2−6790
Silk, system for integrated local communications *(German)* 2−10945
SILK integrated communication system, remote control TV studio equipment appl. 2−6721
solar cell/battery plants for Danish telecommunication systems power supply, test facility 2−23475
Spanish telecommunications, economical, technical, administrative aspects *(Spanish)* 2−21424
strategic warfare development *(Finnish)* 2−15993
switching system for radio news broadcasting 2−16554
tactical, communications systems engineering program 2−10758
tactical, simulation model representing switching and broadcast systems 2−6525
telecommunications organisation information transfer systems standardization *(German)* 2−21414
telematics research in Italy *(Italian)* 2−26195
Televerket, description of the Swedish telecommunications system 2−15989
transmission systems, investigation of transient response charact. in ground resistance with surge currents *(Japanese)* 2−13241
UK industry developments 2−10743
UK market prospects 2−10744
US Navy and US Merchant ship communications interoperability 2−10998
ZnO varistors as transient-overvoltage suppressors for telecommunication systems *(Japanese)* 2−14308

telecommunication theory *see information theory*

telecommunication traffic
see also telephone traffic
circuit-switched communication networks, theory of traffic engineering 2−6490
communication network traffic anal. by one moment iterative method *(Croatian)* 2−21403
computer networks, communication traffic theory appls. *(Japanese)* 2−16164

telecommunication traffic continued
computer networks, flow control, model of window mechanism, blocking-type queueing system 2--21603
Erlang loss function and derivative, asymptotic expansion, appl. to optimization of switching systems 2—2399
flow control in virtual channel computer networks *(Spanish)* 2—21398
ITT 1240 Digital Exchange: traffic handling capacity 2—26364
Ku-band satellite communication system organisation in moderately industrialised countries 2—21805
maritime satellite telecommunications, technical and traffic aspects *(Hungarian)* 2—11016
mixed-media networks, interaction between routeing and multiple access 2—16450
network dimensioning for many hours of traffic demand 2—6528
packet switching, queueing models, anal. using algorithmic technique, bursty input traffic 2—2409
private line telephone network, hybrid mathematical-simulation throughput model for multipoint circuits 2—6479
shared communication channel control, data-dependent access method, full/half duplex, polled protocols 2—2524
simulation techniques, Monte Carlo method, random number generation and Markov chains *(Japanese)* 2—15968
store-and-forward computer networks, decentralized flow control algorithms, investigation of appl. to maximization of power 2—2528

teleconferencing
advantages and options 2—11256
audio teleconferencing systems, extension of office conf. room 2—26202
audiographic teleconferences, French network *(French)* 2—26654
audiographic teleconferencing for intergroup communication *(French)* 2—21463
Bell videoconferencing system 2—6951
business satellite communication system simplification 2—21804
colour TV codec for video conferencing 2—21955
design, studio prep., pure audio connection and moving-picture-supported audio conference, comparison 2—16684
interbusiness telecommunication satellite, integration and applications 2—21801
international business communications by satellite, system description, test facility 2—26459
MACOMNET satellite video teleconferencing 2—11018
medical education in the US 2—6949
participants display methods evaluation in video conferencing 2—21990
present status 2—16065
remote control telephone answering unit, teleconference facilities *(Spanish)* 2—21667
research organisation experiences 2—26651
Sketch Coder, for video teleconferencing at 9600 baud 2—11261
structures, tasks and individual attributes 2—16064
systems engineering opportunity 2—21989
telecommunications, new systems and services, conf., Liege, Belgium, Nov. 1980 2—18867
UNIX system based, charcts. 2—16067
video teleconference by satellite, meeting struct. comparison and satellite system design 2—26656
videoconferencing systems, automatic colour balancing *(Japanese)* 2—26652
VMSHARE system 2—16066

telecontrol
see also alarm systems; telemetering
Air Force Satellite Control Facility, impact of Space Transportation System 2—12057
Air Force Sattellite Control Facility 2—12058
airport departures noticeboard telecontrol working experiences *(French)* 2—22705
Austrian radio networks *(German)* 2—16360
bipolar solenoid with position indication, remote control using minimum of wiring *(Italian)* 2—2097
building lighting control system, Project Skylight, using microcomputers and radio transmitters 2—23749
coal mine, improvements in the mechanical excavation of coal from steeply inclined strata *(Russian)* 2—23852
Consolidated Space Operations Center 2—12056
control desk for dispatching-centre control systems using a computer *(Czech)* 2—27363
digital storage oscilloscope with IEEE bus controller 2—6995
distributing networks, ENEL unified telecontrol system general principles *(Spanish)* 2—7541
distribution network computerized telecontrol system used by ENEL, Argentina *(Spanish)* 2—3745
distribution networks, ENEL unified telecontrol system functions and structure *(Spanish)* 2—7540
distribution networks remote control system operation, modifications required on network *(Croatian)* 2—17705
district heating dispatch station computer-aided control methods *(German)* 2—3891
electrical circuit of the ChMe 3 diesel locomotive, Soviet Union *(Russian)* 2—28168
electrical heat pump control using carrier transmission on power lines *(German)* 2—13082
electrical networks programming, control and optimisation of power absorbed *(Italian)* 2—7527
electrical/optical communication systems interference effects and counter measures *(German)* 2—26193
electrified railway from Zagreb to Rijeka in Yugoslavia, power feeding arrangements *(Croatian)* 2—28172
ENEL, unified remote control system, equipment for test and simulation *(Spanish)* 2—27488
Genoa railway district control centre, advanced-computer system for rail automation 2—18701
Gotthard road tunnel automation and control system using process computers 2—23777
IR reconnaissance for RPVs 2—7394
lamp brightness, digital control, six-programme panel, thyristor block and remote control *(Russian)* 2—18747
large scale command and control centres, man/machine interface definition 2—17534
LSIs, Mitsubishi Electric M50110P series, appls. 2—9700
LV network 2-way signalling system using system frequency modulation *(Norwegian)* 2—27378

telecontrol continued
maintenance of DDX public packet switched data network *(Japanese)* 2—6711
microcomputer-based IR telecontrol system *(German)* 2—7096
microprocessor-based equipment for automatic control in power generation and distribution systems 2—3716
microprocessor-based remote subsea equipment 2—3629
mining, UHF data communications system for information exchange between surface computers and driverless locomotives 2—16226
new reception equipment at the Hokupo telegraph receiver station/ *(Japanese)* 2—2468
nuclear plant control room organisation-telecontrol and man-machine-process interfaces *(French)* 2—23026
power system circuit breakers' remote control using closed mobile radio communication system *(Norwegian)* 2—27572
power system real-time data acquisition *(German)* 2—16886
power systems data transmission, IEEE glossary and definitions 2—13140
power sytem, real telecontlrol system unreliability, cause of information loss *(Croatian)* 2—12142
protocols for telecontrol 2—6555
radio transmitter remote supervisory and control system *(Japanese)* 2—21930
radio transmitter supervisory equipment for transmission characteristics *(Japanese)* 2—21931
railway power networks, telecontrol operator system 2—18702
railways remote monitoring and remote control equipment, Stuttgart region (West Germany) *(German)* 2—3091
remote control implementation, consequences on work organisation *(Croatian)* 2—17685
RPV data links, design and parameters 2—7407
RPVs, conf., Bristol, England (Sept. 1979) 2—7406
Schwaben AG distribution network mains automation system for load distribution *(German)* 2—27470
Sharp Optonica 105 HiFi system with remote control *(German)* 2—16704
TDM using System Interfacing Multiplexer Oriented Extender (SIMPLE) language *(Japanese)* 2—26322
train describer systems and remote control display, system integration 2—18700
TV repeater stations, remote control *(Spanish)* 2—26590
TV studio equipment, SILK integrated communication system appl. 2—6721
underwater technology research development, unmanned remote-controlled submersibles, Zz 2—22092
VAL system (Light Automatic Vehicle) for Lille Metro, prospects *(French)* 2—8045

telecontrol equipment
5 channel digital proportional PWM radio control system, construction 2—2713
Candu reactor pressure tube inspection, remotely controlled equipment 2—23050
endoscope, flexible, controlling mechanisms 2—11903
hydroelectric power station groups, centralised control system, GRAM *(Russian)* 2—27787
IR, Hi-Fi microprocessor-based control system *(German)* 2—11276
IR remote control module for Grundig Super-Color TV set *(German)* 2—16596
IR remote control receiver, using photodiode, relay 2—3166
IR remote control system, using LED transmitter 2—881
medium current ion implant systems, manufacturing advantages for remote control 2—5667
MELFEX series, telemetering and centralised supervisory control systems, Mitsubishi Electric product for water supply plants and networks 2—23849
moving picture CRT display for telecontrol, buffer memory design *(Japanese)* 2—17053
PCM infrared remote control devices *(German)* 2—16870
photomultiplier 64-channel remotely controlled power supply 2—27079
power networks, integral telecontrol used for large systems *(Spanish)* 2—22848
process control appls. of fibre optics 2—16486
railways remote monitoring and remote control equipment, Stuttgart region (West Germany) *(German)* 2—3091
record players, remote control unit, IR, 15-channel *(German)* 2—11283
remote control telephone answering unit, teleconference facilities *(Spanish)* 2—21667
remotely controlled underwater vehicles for pipeline and oil rig structure maintenance, improved TV display 2—22175
Russian Lisna and EST 62 telemechanical systems, logic modules *(Russian)* 2—24479
sound-operated switch for remote control appls. *(Spanish)* 2—9272
telephone touch tone decoder for remote control 2—16231
TN 2700 carrier telephony system, linear highway struct., remote supply and control, fault location *(Polish)* 2—16040
two-way audio-visual information system for schools *(Japanese)* 2—21987

telefilming
Blaupunkt RTX-200 video recorder, TVC-202 video camera, charcts. *(German)* 2—21977
colour negative film transferring, video editing and stereo sound audio sweetening *(Japanese)* 2—6942
editing and post-scoring efficiency improvement in TV film production, ringless system method *(Russian)* 2—2955
electronic field-production cameras, operational and functional charcts. 2—16662
electronic film editing 2—26640
FDL 60 telecine film scanner, signal processor 2—6937
film reproduction improvement in TV by adaptation of system parameters by electronic means *(German)* 2—26649
flickerless scanning of Super 8 films, Grundig EFA use *(German)* 2—11239
flying-spot scanner on 525-line NTSC standards 2—11248
mass-media complex project in Republic of Zambia, studio, transmitter and film facilities 2—26599
miniature transmitting TV cameras, review *(Russian)* 2—11220
Rank Cintel Mk III telecine, jump-scan operation 2—11232
spatial filtration of TV images *(Russian)* 2—11249
special effects equipment for TV filming 2—11219
telecine colorimetry, test materials for alignment 2—26629
telecine equipment, Japan *(Japanese)* 2—11244
telecine system interface with colour negative film 2—26641

telegraph equipment
see also repeaters; teleprinters
autocorrelation digital demodulator of frequency-telegraphy signals, noise immunity 2−15810
AXB 20 telex exchange, system description 2−6696
code practice oscillator HD-1416 conversion to electronic keyer, amateur appl. 2−6552
CT-11/CT-12 type telex exchange system*/ (Japanese)* 2−2467
ELIT-T telegraph display 2−10803
facilities at the Olympiad-80 2−2470
Ptarmigan electronic teleprinter and facsimile transceiver terminals, appls. 2−21754
radioteletype operation using tape recorders 2−10794
radioteletype-audio cassette recorder connections 2−10795
stored program controlled exchange for telex and data traffic 2−21699
Teletex-Telex converter 2−10801
telex CT-1 type signal conversion and exchange system*/ (Japanese)* 2−2466
telex private branch exchange EMX 1010 2−21700
telex terminal, S100 Message Handling Terminal with text processing facility 2−10802
telex terminals accessing protocol definition, public packet switched networks appl. *(Italian)* 2−10796
VHF CW add-on for SSB or FM, VOX facility for transceiver, key or microphone input 2−10982

telegraph interference
RTTY interference due to poor operating habits 2−26233

telegraph networks
automatic Telex service, 25 years of service 2−16073
AXB 20, facility implementation in Yugoslavia *(Croatian)* 2−2465
AXB 20 telex and data switching system, store and forward facility *(Croatian)* 2−2612
distributed processing approach for the international public telegrams message switching system 2−6638
Polish, switching problems connected with development and modernisation *(Polish)* 2−10800

telegraph stations
Hasler SP 300 electronic Telex apparatus for PTT subscribers *(German English)* 2−10888

telegraph systems
AXB 20 telex and data switching system, store and forward facility *(Croatian)* 2−2612
CT-11/CT-12 type telex exchange system*/ (Japanese)* 2−2467
Marconi U4000 distributed message switching system 2−21465
Sixth Five Year Plan in Hungary, principal objectives *(Hungarian)* 2−10754
telex CT-1 type signal conversion and exchange system*/ (Japanese)* 2−2466

telegraphy
see also carrier telegraphy; radiotelegraphy
8-bit microprocessor-based system 2−26754
historical development from 1931 to present day *(German)* 2−26235
Morse code, aids to learning 2−23914
Morse decoding program, Z80 machine code appl. *(Italian)* 2−21270
morse training system TIMOS, T100 teleprinter, microprocessor appl. 2−10798
Morse transmission/reception for new amateur operators 2−21468
multiaddress connections *(Polish)* 2−2469
networks for data and teletex communications, step-by-step establishment 2−21469
nonlinear conversion of random telegrapy signals 2−2237
PMG-13 level meter, AC telegraphy at 50, 100, 200 bands appl. *(German)* 2−7127
teletex, basic service in office automation *(Finnish)* 2−16071
teletex, German Post Office Test Station terminal *(German)* 2−10799
Teletex document and session protocol enhancement to incorporate encipherment and/or digital signature 2−2472
telex switching unit ATSU, office communication system 2−21466
telex transmission in background of store and forward data communication systems 2−26234
time division multiplexing of telegraph signals *(Croatian)* 2−10735
UK service improvements, new Bristol office 2−2463
ZATF 46 CD TGDM system for telex and data transmission 2−16256

telemetering
ambulatory patients, assessment of circadian rhythm of blood press. and heart rate 2−22539
ATE field calibration via satellite 2−26758
biomedical radiotelemetry of direct blood press. 2−22535
blood, arterial pressure monitoring, radiotelemetry and Remler recorder meas. 2−22522
blood pressure, radiotelemetry and standard exercise tests 2−22538
blood pressure meas., direct, in the arterial and pulmonary circulation radiotelemetry 2−22536
conference, San Diego, CA, USA (Oct. 1980) 2−10818
data acquisition by distrib. power-line carrier, statistical math. model 2−22966
decentralised automatic TV transmitter monitoring system 2−11163
digital channel, evaluation of relative error 2−2484
electronic display technologies for telemetry data presentation, review 2−16111
fault-current wave-transmission and recording equipment for railways *(Japanese)* 2−4422
frequency-voltage transducer, working principle and electronic circuit *(Rumanian)* 2−16960
geological prospecting in China 2−12065
hydrometeorological data, remote transmission and processing *(Italian)* 2−16190
ocean bottom pressure, meas. by telemetry system at depth of 2200 m 2−17566
ocean technology electronics, conf., Birmingham, England (Sept. 1981) 2−18865
oceanographic, drifting buoy observations using satellite telemetry 2−22735
Oscar 7 and 8 satellite signal recording, amateur radio appl. *(Spanish)* 2−6799
PCM, random errors *(Czech)* 2−15849
power station control system operation optimisation 2−12158
power systems data transmission, IEEE glossary and definitions 2−13140
rotating machinery checking appls. 2−7045
satellite ground control system for INSAT 2−12052

telemetering continued
satellite transmission services monitoring *(German)* 2−10961
signal scrambling at Navy RDT and E ranges, impact 2−10820
space reentry vehicle instrumentation and communication techniques 2−22658
spacecraft-to-ground telemetry channel concatenated coding performance 2−2775
spot pricing implementation, with interactive load control 2−22799
synchronous satellite repeater, JTIDS capability extension 2−11046
telemetering error in multi-level despatcher control systems *(Russian)* 2−12316
unattended transmitting station control from Milan RAI Centre *(Italian)* 2−16574
SO_2 concentration meas. by lidar and computer 2−22744

telemetering equipment
antennas for tracking telemetry instrumented airborne vehicles, selection criteria 2−10822
geophysical data transmission (Japanese coseismic elec. resistivity changes) *(Japanese)* 2−7410
heart-rate telemetry, short-distance, capactive, sports and health care appl. 2−11948
leakage detection in oil and gas pipelines, using pressure sensors *(Spanish)* 2−11389
MELFEX series, telemetering and centralised supervisory control systems, Mitsubishi Electric product for water supply plants and networks 2−23849
noise immunised annunciator for multichanneled telemetry system 2−3090
oceanographic water sampler 2−27290
passive telemetry using simple optical transducers with fibre-optic links 2−16487
TDRSS ground segment implementation 2−11042
telethermometer, for remote meas. of human skin temp. 2−22530

telemetering systems
10 channel telemetry system for machinery in inaccessible places *(German)* 2−11390
Air Force Satellite Control Facility, data systems modernisation program 2−11034
Air Force Satellite Control Facility, impact of Space Transportation System 2−12057
Air Force Satellite Control Facility 2−11027
Air Force Sattellite Control Facility 2−12058
automated remote tracking system config. for tracking of Florida manatee 2−27112
balloon altitude mosaics meas. program, telemetry and control systems 2−11391
biotelemetry repeater methods for foetal heart rate monitoring in cattle and sheep 2−27114
block-braked monobloc wheel temp. meas. by jacket thermocouples *(German)* 2−11649
cardiac left ventricular press. of conscious dogs, meas. system 2−22537
Consolidated Space Operations Center 2−12056
data organisation of on board telemetry systems *(German)* 2−22178
depth measurement by stereo TV system, determination of accuracy *(Russian)* 2−22177
design parameters for threshold performance 2−21494
fibre optic multiplexed telemetry system for UHV transmission 2−2799
flight testing portable system, advanced medium scale real-time system 2−10819
hydrophysical profiler appl. 2−17568
in-flight jet engine noise measurement system 2−22627
integrated services digital network, telematics and satellites 2−11043
INTELSAT V Communications System Monitoring network, device independent software and hardware 2−17538
London transports centralised public address and integrated communication system 2−13019
long-duration balloon flights, telemetry and location systems 2−12087
microprocessor-based equipment for automatic control in power generation and distribution systems 2−3716
multi-stage commutation systems controlled by microcomputers, FORTRAN, simulation *(German)* 2−26246
oceanographic conductivity-temperature-depth telemeter, microcomputer controlled 2−22739
PCM-pulse position keying telemetry system 2−10823
poor man's balloon control and data system 2−12078
power system observability, telemeasurement network reliability, evaluation *(Japanese)* 2−17784
real-time data monitor system 2−22180
remote monitoring and communication of telemetry data 2−10821
RPV antennas, review and developments 2−7408
RPV data links, design and parameters 2−7407
satellite-switched TDMA on-board clocks synchronisation 2−11033
scientific balloon telemetry, command and data recording 2−11392
seismological data, computerised processing, Moxa-Jena system *(German)* 2−22189
Sirio-2 satellite program, MDD and Lasso missions 2−7366
Space Transportation System communications testing and tracking links for first orbital flight 2−12059
Spaceflight Tracking and Data Network, evolution 2−12050
TDRSS ground station software/ADPE 2−12044
Telemetry Computer System at Wallops Flight Center 2−12043
telephone monitoring of an unattended computer-controlled experiment 2−22179
terrain reflection effects on data reception from airborne vehicles 2−10500
vehicle telemetry data in the vertical blanking interval 2−11393
Walsh functions appl. 2−10824

telemeters *see telemetering*

telemetry *see telemetering*

telephone calling equipment *see telephone station equipment*

telephone equipment
see also compandors; microphones; repeaters; telephone station equipment
30-channel echo canceller associated with time-division exchanges 2−25972
bell repeater cct., using logic ICs, bipolar transistors 2−16229
BK-960-2 transmission system, technical data and design features 2−2447
broadband submarine coaxial cable repeater, 10800 channel capacity *(Japanese)* 2−21716

telephone equipment continued
CIT-ALCATEL's echo suppressor and canceller systems for voice and data channels 2−25971
codec ICs, appl. to telephone systems 2−2591
cross-connect cabinets, outdoor environment, connector perform. testing 2−16057
echo canceller, digital, for two wire subscriber lines 2−16240
ICs, introductory overview and applications to digital exchange systems 2−21704
K-1209P telephone transmission system, communication channel equipment 2−26220
line control signals detect. cct. 2−10775
local telephone network of the future, new demands and requirements *(Swedish)* 2−10787
long-distance phone call prevention device *(Spanish)* 2−10883
microprogrammed echo canceller, new approach 2−26382
microwave narrow-band directional links, using FM *(German)* 2−16353
modem, interface circuits for teletype and microcomputer connections *(German)* 2−9043
modem chip, for biphone carrier system 2−16305
paging systems developed by Lear Sieger Inc. 2−6545
repair efficiency improvements 2−2574
telephone company operation, universal data base 2−16227
terminals with push-button dialling *(German)* 2−16239
TN 2700 carrier telephony system, equipment design and production implementation, review *(Polish)* 2−16042
transmission equipment practice, review 2−16035
Pb-acid stationary batteries, float service and self-discharge characteristics 2−16253

telephone exchanges
see also private telephone exchanges
30-channel echo canceller associated with time-division exchanges 2−25972
adaptive quantizer with extended dynamic range 2−2595
AKE/AXE SPC systems, operator system design rel. to human factor 2−16289
automatic, utilisation of number capacity *(Norwegian)* 2−26349
automatic long-distance telephone exchanges, operational anal. on computer 2−16287
automatic tester with 10 inputs, Pentaconta 1000C appl. *(Polish)* 2−2600
automation, management strategy 2−16271
AXE 10 digital transit exchanges 2−16276
AXE 10 system for digital telephone networks, review *(Czech)* 2−16285
AXE exchange, conversion from AGF exchange *(Swedish)* 2−21702
AXE exchanges prototype testing, using laboratory model *(Croatian)* 2−2613
Bell No.1 ESS, call overloads, elimination of dial-tone delays 2−6688
building design for housing telecommunications switching system 2−16268
buildings planning, environment, lighting, energy conservation, earthquake resistance 2−21691
cable butt splice jointing methods for saving of space in vault area 2−2657
central expert support for maintenance and installation 2−16277
clock failure monitor for central office telephone exchanges 2−14245
crossbar switching system, conversion from flat rate to measured service 2−26354
Czechoslovak telephone network, synchronization between directly/indirectly controlled systems 2−26324
development in Budapest, multiexchange local system planning by computer *(Hungarian)* 2−10777
digital switching and transmission, problems in implementation into analogue system *(German)* 2−10779
digital switching brings flexibility to telephone network 2−26351
digital telephone system technology introduction in Germany *(German)* 2−16023
digitally operating, with distributed microprocessor control *(German)* 2−2640
digitally-switched stored program control units 2−10909
disaster planning, preparations and survival plan 2−2641
DX-100 time division transit exchange for Finnish telephone network *(Finnish)* 2−2609
electromechanical, RIDE system for operation and maintenance 2−6706
EWSD digital telephone switching exchange in Johannesburg, South Africa 2−16302
EWSD digital telephone switching systems for Deutsche Bundespost 2−16301
fault diagnosis, automated statistical error diagnosis based on evaluation of control process *(German)* 2−10942
fault register, computer aided anal. *(German)* 2−16257
GTD-5 EAX, adaptation for international appls. 2−16279
loop testing system, maintenance feature for distributed integrated digital network 2−10920
maintenance, control and protection of remote electronics, overview 2−10919
maintenance measures deduced from investigations into reliability *(German)* 2−4619
MAST (mechanized automated switch translation) service for administration of telephone exchange conversion 2−26230
metropolitan area digital radio-relay systems for interconnection of telephone exchanges 2−2693
microprocessor control of digital telephone exchanges, developments 2−2615
miniature telecommun. cables for Pentaconta exchanges *(Polish)* 2−6674
mobile, to relieve exchange of traffic whilst under reconstruction 2−26355
MT 25 TDM ESS for medium- and high-capacity subscriber exchanges, functional units and software struct. 2−6689
NC 400 exchanges, traffic measurement 2−10785
No.2 EAX, 2A to 2B processor conversion 2−16280
numerical, less cost and higher performance *(Italian)* 2−6691
operator training for Traffic Service Position System No.1, microprocessor-controlled equipment 2−8162
Pentaconta, data recording 2−22192
Pentaconta 5B, 7E, connections adaptor and discriminator switching sequences *(Polish)* 2−6673
Pentaconta 5B, 7E, urban exchange incoming call procedure *(Polish)* 2−16307
Pentaconta 5B and 7E exchanges, selector operation and connection procedures *(Polish)* 2−2642

telephone exchanges continued
power supply using solar generator, experimental installation *(German)* 2−23195
quality of service measurement 2−10903
reliability optimisation, using computer program 2−26325
safety and availability of M 10C auto-commutator at Titograd calculated for a three-year period *(Croatian)* 2−10906
seven-digit telephone numbers in Budapest *(Hungarian)* 2−21686
SPC, high level languages 2−26331
SPC small capacity exchange, microprocessor controlled 2−2614
SPC systems, method of evaluating interface 2−10928
SPC telephone exchange software construction, CHILL Development System *(Italian)* 2−16304
SPC telephone exchanges, CHILL programming language, development history 2−21695
SPC telephone exchanges, operational systems 2−10927
speech synthesis by computer in telephone exchanges, appl. to provision of new telecommunication services 2−16272
stored program control of switching *(German)* 2−6693
stored program controlled, table initialisation 2−2621
SUPER 10, program-controlled subscriber identification in direct-dialing telephone systems 2−10934
Swedish automatic mobile telephone network proposals *(Swedish)* 2−21445
time-multiplexed electronic branch exchange systems, integrating telephone and data traffic *(German)* 2−16288
transmission aspects in digitalization of subscriber loops *(German)* 2−10882

telephone interference
see also crosstalk
ATE for telephone lines *(French)* 2−16819
digital echo canceller, for two-wire subscriber lines 2−16240
power cable/telephone line proximity, interference problem 2−21452
power distribution feeder balancing using ampere-mile vector theory rel. to telephone interference 2−17699
power induction noise in subscriber services 2−21451
subscriber loop plant, noise and transmission 2−26231
two-wire digital transmission in the loop plant 2−16027

telephone lines
ATE for telephone lines *(French)* 2−16819
British Telecom network, impairments in digital transmission 2−10792
computer networks, cable choice 2−16325
consumer demand analysis for 1960-1979 *(Norwegian)* 2−26227
COS3/FOSTER optical fibre cable plant for interconnection of urban exchanges, struct. and charact., laying and jointing procedure *(Italian)* 2−6823
cross-connect terminals and connectors, environmental field tests 2−21711
development planning in Germany *(German)* 2−6647
digital echo canceler, for two-wire subscriber lines 2−16240
digital subscriber cable performance evaluation 2−6539
digital subscriber line transmission, comparison of different line codes 2−16241
digital subscriber loops, transmission system architecture 2−2579
exchange cable butt splice jointing methods for saving of space in vault area 2−2657
exchange lines, 4-wire circuits, digital signal transmission techniques, problems *(German)* 2−6648
fibre optic cables appl. in local subscriber networks 2−2577
fibre optic subscriber loops, Yokosuka field trials 2−2576
German Post Office optical fibre telephone link, Herford to Bunde *(German)* 2−11088
hollow GFRP poles appl. 2−2567
home telephone system SITA C5 2−21461
image transmission system for TV signals, low-speed, experimental system 2−26297
Japan-Korea submarine cable system for international telephony, CS-36M-DR system appl. *(Japanese)* 2−26383
K-60P transmission systems in parallel with multi-pair balanced cables, calc. of unintelligible noise power from crosstalk 2−16327
manufacturing inventory, production and assignment system 2−10947
multi wire parametric model for pair balance simulation 2−10535
noise measurement on telephone voice channels, C message filter using MC 14414 switched capacitor filter 2−3106
optical fibres appl. *(Italian)* 2−2781
optoisolator as a line current detector; the influence on unbalance of the telephone connection *(Croatian)* 2−20753
pair reversal elimination during cutovers using automatic pair identifier 2−6733
screened TUKA cable system for rural networks 2−10949
submarine, use of SCARAB robot 2−10952
submarine cable fault location test set 2−21728
subscriber connecting units for digital switching systems *(French)* 2−21698
subscriber line maintenance service system 2−18956
subscriber loops, digital transmission, experiments 2−2578
subscriber telephone lines, ATE 2−3042
subscriber-line circuits and stations associated with digital exchanges and pair-gain systems, transmission para-meters 2−6654
Sydney-Canberra-Melbourne trunk route, historical review 2−26219
techniques in telephony *(German)* 2−21708
two-wire digital transmission in the loop plant 2−16027
Walsh functions used for avoiding crosstalk between overhead telephone wires 2−15987

telephone networks
1.3 μm LED transmission systems between urban telephone central offices 2−2807
analog compandor, IC, telephone trunk carrier systems appl. *(Japanese)* 2−6730
analogue, transition to integrated services digital network 2−2453
analogue private networks, off-network calling and other transmission considerations 2−21705
Australian metropolitan telephone networks, introduction of primary PCM systems 2−16054
AXE 10 system for digital telephone networks, review *(Czech)* 2−16285
British Telecom, development of digital network plan 2−16060
British Telecommunications Act, discussion 2−26218
Budapest, development guiding principles *(Hungarian)* 2−10777
Canadian interexchange trunk network applications of fibre optics 2−2805
centralized maintenance for quality service 2−6547

telephone networks continued
channel-associated signalling technology developments 2−16266
common channel signalling network, structure 2−21439
complex multinode tandem network design optimisation 2−2406
Danish telephone network, digital subset trials 2−2455
data communication systems linking to Swiss telephone network *(German)* 2−21599
decentralized control scheme for large telephone networks 2−16069
design and optimization of networks with dynamic routing 2−6485
development planning in Germany *(German)* 2−6647
digital, local area field trials 2−6540
digital, microprocessor applns., ITT 1290 Operations and Maintenance Centre 2−2451
digital, planning and operation 2−10791
digital network extension, Malta 2−21459
digital radio as a component of telephone transmission networks 2−6740
digital radio links, design in an analogue environment 2−26396
digital subscriber loops, transmission system architecture 2−2579
digital subscriber network field trials in West Germany *(German)* 2−26213
digital switching and transmission, problems in implementation into analogue system *(German)* 2−10779
digital switching brings flexibility to telephone network 2−26351
digital switching introduction into local telephone exchange networks 2−10923
digital techniques, model for introduction based on decomposition into elementary networks 2−21393
digital telephone subset characts. in integrated services digital network 2−6541
digital telephone switching for public networks−the basis of future telecommunications 2−16290
digital transmission, economic and technical aspects 2−2454
digital transmission technique for public telephone networks *(German)* 2−2443
digitalisation, review 2−16032
digitization, effect on local subscriber loops 2−6538
digitization and introduction of System X 2−2456
district telephone networks, configuration, selected decision criteria *(German English)* 2−10783
DX-100 time division transit exchange for Finnish telephone network *(Finnish)* 2−2609
dynamic routing, for servicing and real-time control of networks 2−6486
dynamic routing simulation, critical path selection features for service and economy 2−6488
FDM line and terminal equipment, review 2−16033
fibre optic subscriber loops, Yokosuka field trials 2−2576
Finland, operational experience with ARE 11 SPC local telephone exchanges 2−10915
French, rel. to new telematics service introduction *(French)* 2−16025
French local networks, sampling and appls. 2−21436
German Federal Post Office, digital optical telephone system, research *(German)* 2−21833
GTCNET public switched telephone network 2−2458
home telephone switch Mitel SX-2 2−6651
Hong Kong subway telecommunication facilites 2−10790
integrated digital telephone network, long-range planning 2−16310
integration of satellite circuits in the automatic trunk network of Pentaconta crossbar exchanges 2−21454
interstation traffic prediction in urban telephone networks 2−26173
Italian COS 3/FOSTER interexchange optical cable expt. 2−2804
KONTES project for subscriber-oriented computerised administration *(German)* 2−6542
large network, models and control structure 2−16068
local, appl. of ITT 1240 Digital Exchange 2−26365
local telephone network of the future, new demands and requirements *(Swedish)* 2−10787
metropolitan area digital radio-relay systems for interconnection of telephone exchanges 2−2693
metropolitan interoffice trunk route applications of fibre optics 2−2806
mixed analog/digital operation 2−26206
mixed analogue/digital private networks, transmission planning 2−6725
non-hierarchical, marginal cost routing 2−6484
Norwegian, KVASIT project for quality control *(Norwegian)* 2−26225
Norwegian, operational reliability standards *(Norwegian)* 2−26223
Norwegian digital telephone system, operation and maintenance *(Norwegian)* 2−26222
Norwegian telephone area, reliability analysis *(Norwegian)* 2−26224
numbering plan for French telephone networks *(French)* 2−16024
operations planning impact on system appl. and design 2−2461
operations planning in Bell Canada's digital network 2−6551
optical fibre transmission systems operated at 850, 1200 nm, local telephone network appl. 2−16493
optical fibres appl. in subscriber distribution networks, technical aspects 2−2813
optimal facsimile link networks design, network model optimisation *(Russian)* 2−21481
optimum non-blocking multiconnection networks 2−10739
Oslo, proposed expansion *(Norwegian)* 2−26226
planning local, long distance networks *(German)* 2−26212
Polish, allocation of losses, international connections *(Polish)* 2−2444
private business network design, Bell BSIXS software system 2−21456
private line telephone network, hybrid mathematical-simulation throughput model for multipoint circuits 2−6479
private line voice concentrator, time assignment speech interpolation system for small trunk groups 2−2459
private network planning and administration, computerised management tool 2−21464
reference equivalents, determination by objective meas. 2−10784
reviews *(French)* 2−16019
route carried traffic in circuit-switching networks 2−2398
rural, introduction of digital switching 2−2452
rural communication, technical solns., general survey *(German)* 2−16026
rural telephone systems, optical fibre appls. 2−11079
security of telecommunication networks application in the area of Ile-de-France 2−21437
signalling convertor for digital transmultiplexer 2−6676
SIRENA automatic re-routing system for quaternary group connections in Italian telephone network *(Italian)* 2−16029
Starswitch/Starcall satellite switched telephone network for reservation appls., microprocessor system 2−16427
telephone networks continued
subscriber line network, experimental methods of systematic maintenance *(Finnish)* 2−21440
subscriber loop, medium-term prospects for new services 2−2457
subscriber loops, digital transmission, experiments 2−2578
Swedish national network, analysis and planning for modernisation *(Swedish)* 2−21458
Swiss public telephone network, introduction of three-digit service numbers *(German)* 2−26217
Sydney-Canberra-Melbourne trunk route, historical review 2−26219
TASI-E communications system, time assignment interpolation technique, electronic cct. multiplier 2−2639
TDX distributed network management system 2−21455
text communication acceptability field expt. 2−21475
time assignment speech interpolation technique, private line voice concentrator, performance anal. 2−2317
traffic routing in hybrid analogue-digital network 2−21392
traffic routing using learning algorithms 2−6487
traffic securization in Ile-de-France 2−21438
transmission, historical overview 2−16031
transmission plan for private networks in mixed analogue and digital environment 2−21706
transmission planning for integrated voice/data in large private networks 2−21707
trunk networks, appls. of optical fibres 2−26513
trunk networks, with adaptive traffic routing and automatic network management systems, congestion calcs. 2−6489
UMG-2 mechanical voice equipment for service information transmission in Moscow urban telephone network, magnetically-recorded messages 2−16269
urban, operating attenuation of interconnecting trunks 2−26221
urban telephone network technical maintenance organisation 2−10904
Valero Energy Corp. private telephone network for gas distrib. industry 2−6549
videotex service quality over switched telephone network, effect of transmission errors *(French)* 2−21533
VIDON multiple service system for use in telephone and CATV subscriber loop 2−10879
worldwide telecommunication networks, evolving structure 2−16050

telephone receivers
CTD multifrequency tone receivers, envelope detection 2−6453
digital dual-tone multifrequency receiver 2−6652
digital tone receiver, digital signal processor implementation 2−6655
Fe-Ni ferritic alloys, mag. and mech. props., telephone receiver appl. 2−15152

telephone sets
601 P, LSI pushbutton dial signal oscillator *(Japanese)* 2−16237
601 P, pushbutton dial switch *(Japanese)* 2−16236
AbilityPhone terminal for the disabled, microprocessor appl. 2−21671
alarm signal reset telephone receiver *(Dutch)* 2−16230
all-optical telephone set 2−6653
automatic selection of number optimal capacity of number store *(Russian)* 2−21665
call signals, perceptibility study *(German, French)* 2−16249
cordless telephone handsets, NBFM-modulated transmission from transponder at 1.6 MHz and from handset at 49 MHz 2−6783
cordless telephone operation 2−16247
customer equipment for the handicapped and the aged 2−21666
digital, 8-bit PCM, with extensions using TDM 2−16243
digital key telephone system with complex communication functions *(Japanese)* 2−26306
digital nonsecure voice terminal 2−16244
digital voice/data telephone sets 2−2588
Displayphone from Bell Northern Research 2−2569
Electraphone business telephone, adaptation to NEAX-12/22 series EPABX, time division transmission 2−6649
electrical surge protection 2−16046
electronic, circuit details *(Italian)* 2−21663
electronic speech cct. developed by Bell Northern Research 2−16051
electronic telephone and accessories 2−16232
Entryphone intercom, used for two-way household caller identification, ICs 2−16228
future development and services 2−21672
handset coupling to hearing aids 2−26312
headsets, design programme 2−26309
headsets, development of industry 2−26310
home telephone switch Mitel SX-2 2−6651
integrated telephone speech circuit, including line fed loudspeaker amplifier 2−16250
Jydsk Telefon A/S Denmark electronic set type 76E *(Norwegian)* 2−6650
light-powered telephone subscriber set in optical fibre bidirectional speech transmission system *(Italian)* 2−6645
lightning surge protection *(Japanese)* 2−13242
long-distance phone call prevention device *(Spanish)* 2−10883
manufacturing plant, customer data control 2−21674
Mitel's touch tone decoder chip set, using MT8860/5 ICs 2−26303
overvoltage origin and protection *(Polish)* 2−2572
phone bell tone changing device, using alarm tone generator, loudspeaker 2−16238
plug-and-socket installation, product trial 2−2566
pushbutton dial for 601 P telephone set, LSI appl. *(Japanese)* 2−16235
railway telephone systems using public network telephones *(German)* 2−21669
receiver leakage loss, effect on telephone speech clarity *(Japanese)* 2−16234
review, 25 year period 2−16030
speech digitising/decoding IC, telephone handset appl. 2−26307
Telecom Australia disabled telephone users, study of types as aid required 2−16053
time-shared two-wire digital subscriber transmission system, digital telephone set applic. 2−16028
tone generator, scanner for telephone alarm dialler *(Dutch)* 2−6644
transformerless circuit for alpha uni subscriber's set, development *(German)* 2−2571

telephone station equipment
alarm dialler *(Dutch)* 2−2565
analogue IC for telephone subset appls., symmetric I-V characts., base sheet resistance control 2−10881
answering machines, 3-groups, facilities and Swiss prices *(German)* 2−26308

telephone station equipment continued
answering service, computer-controlled 2−21673
autodialler using Elf microcomputer 2−16245
automated dialler for Heath H8 microcomputer, Tele-Pulse 2−16246
Code-A-Phone 1000, telephone answering machine 2−21668
digital key telephone system with complex communication functions *(Japanese)* 2−26306
extension in digital loops 2−2575
home telephone switch Mitel SX-2 2−6651
Hungarian transmission system stations, equipment *(Hungarian)* 2−10774
lightning surge protection *(Japanese)* 2−13242
line monitor for telephone calls, using semiconductor devices 2−21670
local call simulator, under microprocessor control *(French)* 2−16248
POLEX-VH small-channel-number carrier telephone system 2−26304
push button telephones, German Post Office *(German)* 2−2568
rationalisation with AWAG *(German)* 2−16233
remote control telephone answering unit, teleconference facilities *(Spanish)* 2−21667
stored value card systems for telephone call pre-payment 2−10771
subscriber loops, digital transmission expts. 2−26305
subscriber-line circuits and stations associated with digital exchanges and pair-gain systems, trans-mission parameters 2−6654
terminal introduction into existing data communication networks 2−6639
timer circuit for call cost indication 2−2573
tone ringer, electronic design and operation *(Italian)* 2−2570
touch tone decoder for remote control 2−16231

telephone switching equipment
16 bit microprocessor appl. 2−26335
analogue telephone switching by digital IC 2−10917
architecture evolution, review 2−16261
control technology developments, review 2−16262
Czechoslovak telephone network, synchronization between directly/indirectly controlled systems 2−26324
D-4 type channel bank, single-chip microcomputer appl. 2−6704
digital, field experience, at Continental Telephone 2−10939
digital multifrequency receiver using FIR quadrature filters with window functions 2−6699
digital switching introduction into local telephone exchange networks 2−10923
ESS equipment codes, Reconfigurable Access Functional Test System 2−26353
EWSD, digital telephone switching system, equipment practice 2−16299
EWSD digital telephone switching system, improved electronic components 2−16300
EWSD digital telephone switching systems, synchronous operation 2−16297
EWSD telephone switching system, programmed aids 2−10933
EWSO switching system, operating system 2−21703
home telephone switch Mitel SX-2 2−6651
integrated analog/digital switchboard for military applications 2−6683
interface equipment for PARCOR audio response system *(Japanese)* 2−26340
international gateway digital switching machine 2−26350
interpolated discrete Fourier transform dual-tone multifrequency receiver with phase criterion 2−6700
ITT 1210 Class 5 digital switching system, control and supervision of remote like units 2−10921
Japanese domestic and overseas services 2−2532
line switching IC, n-channel DMOS *(French)* 2−16303
MARK computerised record-keeping system, conversion to electronic switching equipment appl. 2−16056
military multiplexers, using microprocessor control *(German)* 2−16282
modular remote FDM monitoring system 2−7019
NEAX 615 digital telephone switching system for central office 2−2625
referal computer introduced in larger subscriber exchanges during 1981 *(Swedish)* 2−10905
relay adhering prevention, machine for air gap film prod. *(Hungarian)* 2−10898
safety and availability of M 10C auto-commutator at Titograd calculated for a three-year period *(Croatian)* 2−10906
semiconductor switches in digital telephone systems 2−10914
SSP 112D microelectronic switching processor for digital communication systems 2−16295
subscriber line testing for digital switching offices 2−10922
SUPER 10, program-controlled subscriber identification in direct-dialing telephone systems 2−10934
switching junction, electronically-controlled 2−10926
System Century Digitial Central Office, evolution 2−10940
system technology development, review 2−16264
traffic distribution between old and new switching centres *(Croatian)* 2−10736
two-section undivided system, probability of lost calls 2−2597
urban telephone network technical maintenance organisation 2−10904

telephone systems
see also automatic telephone systems; telephone exchanges
alarm reporting services, untapped telco market 2−23969
audio teleconferencing systems, extension of office conf. room 2−26202
Aurora, automatic mobile telephone system, design and operation 2−2460
automatic wake-up serving as hotel emergency communication system 2−16048
Bell Northern digital telephone system for integrated services 2−16055
business offices, recommendations by German Post Office *(German)* 2−10773
CCITT signalling system No.6, implementation in Pacific area 2−26216
cellular systems alternatives for public mobile telephone services 2−26456
diagnostic meas. on microwave systems 2−11601
digital, ITS system, field experience 2−10941
digital network conversion by British Telecom 2−26203
digital telephone system technology introduction in Germany *(German)* 2−16023
digitalisation of long distance network by the German Posts and Telegraph Dept. *(German)* 2−10780
DIKOS digital communication system *(German)* 2−10778
emergency 911 telephone system used in USA 2−16045
ERICARE, alarm system to allow people living alone to call for help 2−16022
German Democratic Republic problems arising from digitalization of system *(German)* 2−6543
German Railways 60-channel freq. multiplex system terminal equipment *(German)* 2−16267
home telephone system SITA C5 2−21461
Hungarian transmission system stations, equipment *(Hungarian)* 2−10774
insertion of 32 kbit/s coding in the telephone network: general trends and tandem connection problems *(French)* 2−6544
instruments, payphones, and private branch exchanges, review 2−16030
integrated telephone-data handling system, Switzerland *(German)* 2−16044
International Service Position System for manual handling of overseas calls, information storage in computer memory 2−16306
long-haul laser transmission system: performance results 2−21841
man-machine communication by voice *(German)* 2−26211
modem chip, for biphone carrier system 2−16305
modular cross-connect system makes connection for big savings 2−2448
NTT, Japan, measures taken against natural disasters *(Japanese)* 2−21450
optical link, 140 Mbits/s, field experience using live telephone and TV traffic 2−26516
pair gain system on fibre, maintenance capabilities 2−10776
PCM digital telephone transmission systems for pair cables, 0.7 and 2 Mbit/sec 2−10772
POLEX-VH small-channel-number carrier telephone system 2−26304
priority reservation system with two heterogeneous classes, efficient numerical soln. 2−10789
project electronic subscribers' list: description of the system architecture *(Italian)* 2−16139
railway exchanges using public network telephones *(German)* 2−21669
signalling, develop. since 1956, towards advanced common-channel techniques 2−16263
Sixth Five Year Plan in Hungary, principal objectives *(Hungarian)* 2−10754
Swedish, dropping of the second dialing tone *(Swedish)* 2−21457
TELEPAK, data transmission service of Swedish telephone company *(Swedish)* 2−10788
terminals development *(French)* 2−2445
TN2700 carrier telephony system, national telecommunication network appl., development prospects *(Polish)* 2−16036
TN 2700 carrier telephony system, characterization *(Polish)* 2−16037
TN 2700 carrier telephony system, conversion frame of tertiary and quadrantal groups *(Polish)* 2−16038
TN 2700 carrier telephony system, generation of control/pilot currents *(Polish)* 2−16039
TN 2700 carrier telephony system, linear highway struct., remote supply and control, fault location *(Polish)* 2−16040
TN 2700 carrier telephony system, local and remote power supply equipment *(Polish)* 2−16041
TN 2700 carrier telephony system, measurement apparatus, 300 Hz to 5 MHz *(Polish)* 2−17029
TN 2700 carrier telephony system, modernization trends, channel multiplication, digital transmission *(Polish)* 2−16043
TN 2700 carrier telephony system, unattended repeater station, construction and elec. parameters *(Polish)* 2−16313
TN 2700 carrier telephony system, unattended repeater stations, automatic level control ccts. *(Polish)* 2−16314
two-stage queueing model with finite waiting room and blocking, efficient numerical calc. 2−10737
Yelm Telephone Company USA, digitalisation 2−16047

telephone traffic
see also telephone traffic recording
Automatic Call Distribution systems, multinode private network planning, traffic overflow/diversion 2−2638
averaging methods for the asymptotic analysis/ of learning and adaptive systems/, with small adjustment rate/ 2−2446
Bell No.1 ESS, call overloads, elimination of dial-tone delays 2−6688
circuit occupation probabilities of 2 stream network 2−15960
computerised forecasting techniques 2−26184
design and optimization of networks with dynamic routing 2−6485
distribution between old and new switching centres *(Croatian)* 2−10736
district telephone networks, configuration, selected decision criteria *(German English)* 2−10783
dynamic routing, for servicing and real-time control of networks 2−6486
dynamic routing among digital telephone switching systems 2−26229
dynamic routing simulation, critical path selection features for service and economy 2−6488
E10B system traffic handling capability methods of evaluation 2−26337
ESS, telephone traffic studies *(Japanese)* 2−26209
forecasting future traffic levels without using part as base 2−2449
International Service Position System for manual handling of overseas calls, information storage in computer memory 2−16306
interstation traffic prediction in urban telephone networks 2−26173
large telephone network, models and control structure 2−16068
marginal cost routing for non-hierarchical telephone networks 2−6484
marketing telephone systems, traffic engineering requirements for salespersons 2−4691
minutes of use, results of observation period study 2−16049
modular central office exchange with saturation routing scheme *(Italian)* 2−10929
NC 400 exchanges, traffic measurement 2−10785
not completely accessible schemes with allowance for repeated calls 2−8432
PABXs, optimum load distribution on operators, multiserver stochastic service system *(Hungarian)* 2−6695
packet speech system, adaptive control on length of jitter absorbing buffer 2−2606
priority reservation system with two heterogeneous classes, efficient numerical soln. 2−10789
route carried traffic in circuit-switching networks 2−2398
routing using learning algorithms 2−6487
Teletraffic Optimizer Program, voice optimization technique 2−2407
traffic routing in hybrid analogue-digital network 2−21392
traffic securization in Ile-de-France 2−21438
trunk networks, with adaptive traffic routing and automatic network management systems, congestion calcs. 2−6489
two-stage queueing model with finite waiting room and blocking, efficient numerical calc. 2−10737
urban traffic, software system appl. *(Italian)* 2−16061

telephone traffic recording
see also telephone traffic
call charge accounting in a PBX using disk system 2−2620
line monitor for telephone calls, using semiconductor devices 2−21670

telephone traffic recording continued
microprocessor controlled telephone traffic recorder field trials 2−2589
service quality monitoring, 1A Service Evaluation System using minicomputer 2−6537

telephone transmitters
KURS-2M radio relay equipment for zonal communication links 2−10983

telephones *see telephone sets*

telephony
see also carrier telephony; radiotelephony; teleconferencing; videotelephony
algorithm for estimating loudness parameters, telecommunication appl. *(Japanese)* 2−15855
audio transmission, history, present status, and future 2−16034
automatic telephone speech verification system, security appl. 2−16070
automatic voice response systems, waveform coding, speech synthesis chip sets appl. 2−10653
British Telecom, monopoly ending in UK 2−21460
Bucharest telephone directory data bank system and dialogues with digital display *(Rumanian)* 2−26210
call charges calc., TI 58/59 calculator appl. *(German)* 2−2442
call pre-payment using stored value card systems 2−10771
classified telephone directories, UK 2−2441
digital, single-channel LSI codec specifications *(Japanese)* 2−6666
digital microwave links appls. 2−10967
digital subscriber line services and signalling, integrated voice/data services 2−16242
digital subscriber line transmission, comparison of different line codes 2−16241
directory enquiry system, computerised, British Telecom field trial 2−16059
European Communication Satellite system, digital telephony, TV broad casting appl. 2−21768
facsimile equipment with ink-jet recording for telefax service 2−10816
FM signal transmission experiments via Japan's communications satellite *(Japanese)* 2−16420
historical review of development in the Netherlands 2−26214
international standards for open system interconnection, USA perspective 2−6643
Italian telephone company DP status and prospects *(Italian)* 2−16185
light beam telephone, construction and operation details 2−16460
listening computer application 2−16058
long distance telecommunications service competition 2−6546
MARK computerised record-keeping system 2−16056
multigraduated tariffs, optimal strategy 2−16021
new services for customers, medium term prospects 2−26205
optical fibre trial system with wavelength division multiplexing, Sugar Land, Texas 2−6840
OTS, TDMA/DSI system tests and telephony channel tests 2−11054
OTS, telephone signalling tests through TDMA/DSI system, results and conclusions 2−11055
PCM and delta modulation, comparison appls. *(German)* 2−2276
pricing, spatial simplification *(French)* 2−21435
Retrivue computerised telephone directory assistance scheme 2−21453
rural telephony, economic challenge ahead 2−21449
Saudi Arabia, development of modern telecommunications facilities 2−26201
social aspects 2−16020
speech digitisation of telephone quality *(French)* 2−10781
speech loudness rating, equivalent reference measurement accuracy *(Japanese)* 2−15854
subscribers' familiarity with telephone charges *(Norwegian)* 2−26228
telephone company computer system 2−2450
time and motion estimates in Bell System Telephone Company 2−8186
time-shared two-wire digital subscriber transmission system 2−16028
two-wire digital transmission in the loop plant 2−16027

telephotography *see facsimile*

teleprinters
cost reduction using new communication methods, appl. of teleprinters *(German)* 2−2479
radio teleprinter communication home-made tuning indicator *(German)* 2−10797
SIGA teleprinter station tests *(Swedish)* 2−26236
Sixth Five Year Plan in Hungary, principal objectives *(Hungarian)* 2−10754
T100, microprocessor-based morse training system TIMOS appl. 2−10798
teletypewriter terminal accommodation in DDX public packet switched data network *(Japanese)* 2−6714
TP 1000, receive-only, automobile assembly-line data commun. system appl. 2−16220

teleprocessing *see video recording*

telescopes
see also astronomical telescopes
irradiance coefficient calc. of telescope receiver for total-radiation pyrometer 2−1770
Josephson heterodyne sub MM wave detector at high thermal background levels 2−24702
photooptical range instrumentation, review 2−7063
Si p-type multicomponent telescope for charged particle spectrometry and identification *(Russian)* 2−17314

teletext
adaptor for teletext and viewdata, Teleview 3-chip system *(Dutch)* 2−6556
advantages for business and domestic users *(Swedish)* 2−21501
American system, review and future complementations 2−21541
Anhope, advancement by French into US market 2−26254
Antiope and UK teletext reception comparison field trials 2−21524
ANTIOPE system in France, development *(French)* 2−10833
Antiope videotex system philosophy, standardization and properties *(French)* 2−21520
basic system requirements rel. to UK model 2−21506
Bildshirmtext appls. *(German)* 2−26247
British, French, Canadian systems comparison *(German)* 2−16123
cable data transmission regulatory problems 2−2507
CCITT protocol 2−16222
Ceefax and Oracle, survey of consumer use 2−26255
classroom combined teletext/microcomputer project based at Brighton Polytechnic, England 2−2499
communications policy issues in US caused by electronic publishing 2−6572

teletext continued
current status, Japanese photographic mode pattern transmission *(Japanese)* 2−21513
decoder, dual standard, microprocessor-based design 2−16131
demodulator for TV receivers 2−21933
development in West Germany 2−16224
development of information transmission by telecommunications *(French)* 2−10757
developments in videotext *(Swedish)* 2−26259
DIDON and Antiope decoder principles, characteristics and applications *(French)* 2−21535
digital information broadcasting in US, teletext-type service using Subsidiary Communications Authorization channels 2−21503
display improving methods 2−21516
distributing viewdata and teletext services to a user community 2−10834
distribution cable network characteristics for audio-visual services *(French)* 2−21969
domestic TV set and peripheral equipment interconnection for VDU use *(French)* 2−21952
echo reduction is teletext, automatic equalizer 2−6633
educational technology applics. *(German)* 2−16126
electronic displays conference, London, England (Sep. 1981) 2−18866
European teletext systems, mutual compatibility problems and prospects 2−21522
general description various systems 2−2502
German Federal Post Office operations *(German)* 2−26248
German Post Office's teletext service, appraisement rel. to electronic mail systems, future uses *(German)* 2−21502
German service trials, results *(German)* 2−16127
graphics enhancement 2−6636
graphics improvement 2−21517
high level protocols 2−16223
home information service standardisation prospects 2−10827
Hungarian viewdata and teletext systems *(Hungarian)* 2−6564
market testing teletext 2−2553
on-demand broadcast data retrieval protocol definition *(French)* 2−21538
OTS, teletext and data broadcasting experiments 2−10838
page format on 525 scan line raster TV, 20 versus 24 rows 2−21505
pattern transmission systems in Japan, editing equipment *(Japanese)* 2−21514
Polyglot-C international teletext system standard 2−21534
pulse shape optimisation for teletext transmission 2−2552
qualitative characteristics, use of correction codes to increase transmission fidelity *(Russian)* 2−16135
server for local networks 2−26249
supplementary programme transmission in gaps or synchronisation pauses *(German)* 2−26253
Swiss Teletext system, features and comparison with Videotex system *(German)* 2−16219
systems development in GB *(German)* 2−26251
telematics in home and office *(Polish)* 2−21515
telematics technology research and developments in Italy *(Italian)* 2−26192
Teletex discussion *(German)* 2−21499
Telidon field trials 2−6634
text communication acceptability field expt. 2−21475
toll broadcasting with enciphering for Antiope teletext *(French)* 2−21525
TV information explosion, review 2−26257
TV newspaper systems *(Bulgarian)* 2−6562
TV transmission subtitling by Antiope teletext system *(French)* 2−21914
UK teletext, enhancements 2−6635
UK teletext extension towards unified system 2−21526
UK teletext system status and future developments 2−21523
videotex, user expectations, potential of medium 2−16130
visual communication service introduction in Gulf area, governing factors and prospects 2−6575
WETA teletext field trial 2−2497

teletypes *see interactive terminals*

television
see also colour television; electronic news gathering; video signals
audience research, Broadcasters' Audience Research Board 2−16538
moving object TV screen *(Croatian)* 2−21384
production and distribution, applns. of digital signals 2−19605
TV tower lighting arrangements and equipment *(German)* 2−23748

television antennas
8-Ball satellite TV antenna 2−10581
accident prevention during placement on roof *(German)* 2−21934
circularly-polarized TV broadcast antennas, modelling in candelabra, anal., expt. results 2−21237
IV/V TV band broadcast antenna, four-structure antenna and accessories *(Italian)* 2−16576
plane wave scattering from infinite loaded dipole planar array over lossy half space 2−2201
power flux density in the near field of TV transmitting antennas *(Croatian)* 2−16605
radiation, influence of diffraction 2−10563
satellite, lining up procedure, amateur construction 2−21960
satellite direct broadcast receiving antenna, with corrugated feed for 12 GHz *(Italian)* 2−26609
TV/FM transmitting antenna *(Japanese)* 2−21227
twin loop antenna analysis using moment method, UHF TV transmission appl. 2−11173
UHF active antenna with wideband two stage amplifier *(German)* 2−15767
UHF antenna components, FCC study 2−16604
UHF antenna equipment, signal strength handicap 2−2863
UHF broadcast antennas, AKM type, large diameter mast appls. *(Czech)* 2−21242
VHF short backfire matrix aerial *(German)* 2−10582
VHF transmitting superturnstile antenna systems, analysis of modified batwing antennas 2−11172

television applications
see also teleconferencing; videotelephony
automated capsule inspection method 2−26655
balloon borne system for obs. of ionospheric Mg II UV lines 2−3597
biomedical movement detector using closed-circuit TV 2−11900
biomedical TV-computer system for automated reading of the multipoint inoculated antibiotic sensitivity test 2−3473
C-CD TV camera appls. in dimensional meas. of inspected moving objects 2−6948

television applications continued
CCTV camera images processing, size and position meas. appl. 2−11612
crack detection by digitised video image processing *(German)* 2−6947
crime countermeasures, conf. Lexington, USA, 1981 May 2−13157
depth measurement by stereo TV system, determination of accuracy *(Russian)* 2−22177
digital counting of objects in unit area of image, automatic detection of phases and textures *(Polish)* 2−15923
digital data transmission and TV appls. in vertical blanking interval 2−11260
electrocinematography, coding standards for colour video signals 2−2965
filmless method for fast processes coordinates meas. 2−11407
flow velocity distrib. meas. with laser Doppler imaging system and TV camera 2−17178
iida, H. (Hamamatsu Systems, Inc., Waltham, MA, USA), available equipment survey 2−7039
image subtraction, real time, electro-optic 2−21370
INCOS automatic product inspection system using computerised picture processing *(German)* 2−4676
inspection, image analysis and robotics appls. 2−6950
instructional TV systems in colleges, design, implementation and program development 2−18893
integrated communication services, history and current status *(German)* 2−26199
IR image visualisation/photometry, automatic TV system based on principle of iso-energy contours *(Russian)* 2−11387
laser pulse, focused, intensity distribution meas. using digitised TV 2−22416
LEYTAS, use in analytical and quantitative cytology 2−27134
Magnox nuclear power station, monitoring using stereoscopic TV system 2−11259
medical X-ray TV, present development state and future prospects *(German)* 2−7319
medicine, patient diagnosis and treatment *(Italian)* 2−7338
medium current ion implant systems, manufacturing advantages for remote control 2−5667
metal crystal orientation determ. 2−11258
microscope image, surface and circumference of objects, television methods of measurement *(Polish)* 2−15924
microvascular blood flowmetry using intravital microscope-TV system, improvement by 1-bit correlator *(Japanese)* 2−27139
moving object picture anal., TV methods, optical spacial image filtration and automatic hologram anal. *(Russian)* 2−2387
multichannel bidirectional RF cable TV system, security monitoring appl. 2−16655
multichannel television spectrophotometer for faint object spectra 2−16871
opthalmic instruments *(Japanese)* 2−17358
optical beam fluctuation meas., using dissector follower system angular 2−3596
picture correction using hybrid TV-optical system 2−2377
police appls. in Japan 2−16686
Prestel TV system adaptors 2−6567
process control appl. *(German)* 2−26657
projection TV system with oil-film modulator, education, entertainment appl. *(German)* 2−16683
pulse shape optimisation for teletext transmission 2−2552
radiographic index technique for defect sizing in pipe welds 2−8865
Recon II, underwater reconnaissance unit with TV camera 2−6946
remotely controlled underwater vehicles for pipeline and oil rig structure maintenance, improved TV display 2−22175
road traffic overtaking data recording, appl. of video instruments 2−21984
robot position control using TV image processing 2−21988
robot vehicle, slit code detection method for position measurement *(Japanese)* 2−17131
security system CCTV, video disc recording appl. 2−26639
semiautomatic search for particularly directed particles in nuclear emulsions 2−27075
spectral sensitivity and transfer characts. of TV cameras, application in machine text observation and central *(German)* 2−24882
spray droplet sizing system using television camera and minicomputer, pattern recognition procedures 2−21986
steel, stainless, optical inspection of small-diameter deep bores using rod optics with low-light television and still photography 2−5053
streamer chamber, self-shunted, tracks digitisation and reconstruction using television system 2−3410
telecine equipment, Japan *(Japanese)* 2−11244
teletext, echo reduction 2−6633
teletext, Teledon field trials 2−6634
TV, closed circuit, as an aid in hostage negotiation tactics 2−16657
TV monitored system for recording open-field activity in the rat 2−21985
TV newspaper systems *(Bulgarian)* 2−6562
two-way audio-visual information system, Pana Campus system *(Japanese)* 2−21968
two-way audio-visual information system for schools *(Japanese)* 2−21987
vehicle telemetry data in the vertical blanking interval 2−11393
video appls. in education, medicine and technology *(Japanese)* 2−11257
video games, microcomputer appl. to TV receivers *(Japanese)* 2−16598
video mining unit, using TV cameras *(German)* 2−16682
video teleconference by satellite, meeting struct. comparison and satellite system design 2−26656
VIDEOSPRAY, CCTV camera controlled painter 2−21972
visual aids, TV system for assessing visual performance 2−3460
visual communication techniques *(Japanese)* 2−11210
WETA teletext field trial 2−2497
writer recognition by analysis of handwriting images 2−26156
X-ray imaging in real time 2−22158
ZTU-04 closed circuit TV equipment, characts. 2−6936

television broadcasting
A-D conversion measurements 2−11154
ACE 4-field TV standards convertor 2−16560
American satellites for direct TV broadcasting *(Norwegian)* 2−26596
analogue TV transmission tests using OTS 2−11145
B3565 Marconi synchroniser, soln. to synchronisation problem 2−2924
baseball game, stereophonic recording *(Japanese)* 2−2870
Black Mt. Telecom. Tower, Canberra, commercial TV installation 2−26601
British Telecom System 2−11227
camera tubes, history 2−1124

television broadcasting continued
Canadian broadcasting problems and possible solutions 2−26591
chroma-key system case studies 2−16547
coding system for domestic videorecording of TV programs, 24 hr TV transmissions appl. *(German)* 2−21903
colour TV signals, interfield and intrafield adaptive prediction coding *(Japanese)* 2−6406
commercial sound effects production, stereo effects *(Japanese)* 2−2873
consequences for broadcasting stations of continuing developments made in electronics *(German)* 2−21905
digital, EBU/SMPTE agreement background 2−21907
digital, Intellect software development tool from Quantel, appls. 2−16567
digital coding, EBU position 2−16543
digital PAL signal coding for 34 Mbit/s transmission, bandwidth compression appl. 2−16542
digital sychronisers operation *(German)* 2−6890
digital synchronisers, economical alternative 2−2925
digital systems, review of their introduction 2−11152
digital TV broadcasting, computerised image processing techniques 2−16566
digital TV studio coding parameter selection 2−16544
digital TV transmissions through the OTS 2−11146
digital video systems, problem of storage 2−11156
direct, low power satellite links 2−11062
direct broadcast satellite TV, alternative technical approaches 2−2858
direct broadcast satellites, Delphi study views of experts 2−6897
direct broadcasting experiments with OTS, results of picture transm ission tests 2−11147
direct satellite broadcasting developments 2−16418
direct satellite TV receiving equipment development 2−26608
direct transmission via satellite *(German)* 2−2745
duo-tone transmission in German television *(German)* 2−11162
editing CM without use of semimaster tape *(Japanese)* 2−16570
education, workshop proceedings in China 2−13178
education for the TV age, conf. Philadelphia, PA, USA, Nov. 1979 2−13156
European Communication Satellite system, digital telephony, TV broad casting appl. 2−21768
European satellite broadcast receiver compatibility conditions and performances *(French)* 2−21901
Franco-German direct broadcasting satellite project *(French)* 2−21916
French regulations for TV and radio broadcasting and receiving centres protection from electromagnetic interference *(French)* 2−26570
frequency spectrum utilisation, transmitting technology *(Japanese)* 2−21908
geostationary TV satellite projects in Europe and World-wide *(French)* 2−26578
German TV-SAT system history 2−16408
global TV communications in year 2000, satellite TV development 2−6896
graphics generator, electronic, microprocessor-based 2−21963
group time delay nonuniformity of RF baseband channel for transmission of accompanying sound channel on subcarrier 2−10520
Heli-tele, TV transmission using helicopters fitted with microwave equipment 2−21965
high-definition TV developments 2−2922
Hills Telesat satellite TV ground station, using curved screen reflector 2−16410
Hungarian lost broadcast transmitter equipment *(Hungarian)* 2−6903
integrated picture/sound postproduction system for electronically produced television programme items *(German)* 2−26589
INTELSAT system for telephone and TV relay services, present status and future trends *(Japanese)* 2−11014
intercarrier buzz in television sound signals 2−6893
international television symposium, home TV entertainment centre and video-for-cinema 2−16572
Japan, administration, economics frequency allocation *(Japanese)* 2−11136
Japan, domestic and international TV transmission *(Japanese)* 2−11164
KURS-2M radio relay equipment for zonal communication links 2−10983
lightweight two-camera outside broadcast units, design and user requirements 2−16629
make-up colour measurement, chromaticity and radiance factor of faces, MOMCOLOR colorimeter *(German)* 2−26598
mass-media complex project in Republic of Zambia, studio, transmitter and film facilities 2−26599
measurement and logging system for signal automatic meas., Tektronix 1980 ANSWER set 2−22084
measurement in digital audio and video systems, conf., London, 1981 Nov. 2−18877
MIC down convertor for 2150 MHz TV signal using thick film technology 2−6894
microprocessor control system for recording and trnsmission of television programmes with the aid of equipments with dynamic carrier 2−11143
microwave communication system, review *(Hungarian)* 2−6891
microwave links operating at 2.15 GHz 2−16549
MOSAIC-A editing system for video tape recordings *(German)* 2−26588
multichannel sound 2−2861
multichannel sound broadcasting, EIA/BTC proposal 2−2862
multichannel sound system using FM-FM multiplexing 2−6892
multiplex broadcasting transmission modes in Japanese TV *(Japanese)* 2−11139
multiplexing systems for Indian domestic Satcom system, telephony, TV broadcasting appl. 2−21688
musical programmes, multiple microphone use *(Japanese)* 2−2869
network programme distribution methods in USA 2−26584
new loudness indicator 2−11144
new technology, effect on personal in quality broadcasting 2−6899
NHK electronic news gathering and feature production systems 2−26632
OB vehicles, diversity evaporator switching control for air conditioning 2−28256
on video channel modelling/ for TV picture quality assessment *(German)* 2−2881
optical link, 140 Mbits/s, field experience using live telephone and TV traffic 2−26516
outside broadcast units, practical design 2−16630
outside broadcast vehicles for NOS, Holland 2−11133
outside broadcasting, path clearance and range 2−16559
outside broadcasts, lighting, Royal Wedding 1981 2−26579
PAL studio system for Sri Lanka Broadcasting Corp., Colombo Studio Centre 2−26604

television broadcasting continued
picture component coding system, experimental 2−21911
picture quality comparison for five different types of narrow-band TV signal transmission *(Japanese)* 2−26582
Questech 6001P component coded PAL framestore synchroniser 2−11207
random, noise interference of video signals, effects on image resolution and grey scale 2−15725
research and development in India 2−16548
satellite 12 GHz band receivers *(Spanish)* 2−21776
satellite broadcasting, French and Arabian Gulf systems 2−2749
satellite broadcasting in Japan *(Japanese)* 2−11013
satellite broadcasting planned for the FRD, critical appraisal 2−21948
satellite signal reception and processing 2−21808
satellite TV, educational broadcasting appl., transmission throughout British Columbia via Anik B satell-ite 2−6886
satellite TV broadcasting system technology for 80s 2−11044
satellite-fed programming, suitable antennas 2−15768
SECAM TV studio equipment and system for Toshiba 2−26603
self-help systems for small communities, cable or re-transmitter systems appl. 2−16541
site surveying in post-planning phase, repeater stations, propag. paths, TV/telephony appls. 2−16351
Sony's colour TV camera for testing electronic gathering system, DXC-1600 series 2−2937
Sony high-quality TV outside broadcast units, custom and standard ranges 2−16563
sound accompaniment possibilities, multichannel digital sound transmission use *(German)* 2−21904
sound distrib. network, resolution meas. in A-D conversion 2−11153
sound multiplex decoder IC for TV receivers 2−2900
Spain, satellite broadcasting in 12 GHz band *(Spanish)* 2−21777
Spanish telecommunications network for the 1982 World Soccer Cup *(Spanish)* 2−21910
special effects and chroma-keying 2−16628
spectrum management algorithms 2−21896
stations, technical standards and application *(Japanese)* 2−21909
stereo-colour TV broadcasting, exptal. studies in USSR *(Russian)* 2−21913
stereophonic, recording studio equipment *(Japanese)* 2−2866
stereophonic and dual language transmission, recording techniques *(Japanese)* 2−2867
stereophonic sound transmission in Federal Republic of Germany *(German)* 2−11134
subscription TV broadcasting complementary to cable systems in USA 2−21919
supplementary programme transmission in gaps or synchronisation pauses *(German)* 2−26253
Swiss Army ACM 300 outside broadcast unit, VTR/camera mobile facility 2−16562
technology for 1980s 2−26593
time comparison, ABC Television Network policy 2−21902
Toshiba broadcast equipment technology, recent developments 2−26602
transmission subtitling by Antiope teletext system *(French)* 2−21914
transmitting equipment trends *(Japanese)* 2−21922
transmitting system design, fundamental conditions *(Japanese)* 2−21923
TV in Brazil, review *(German)* 2−2857
TV rebroadcast receiver HE 7000 *(German)* 2−11170
TV standard convertors by OKI Electric 2−2931
TV transposer equipment, coaxial components *(Hungarian)* 2−16623
UHF transportable transmitter for emergency resumption of broadcasting, IBA Fourth Channel appl. 2−11160
VHF television, signal strength handicap 2−2863
video signal digital freq. synchronisers DFS 1750, design 2−2923
video signals continuous online monitoring techniques *(Polish)* 2−2883
video synchronisers in practice for signal distrib. system 2−2859
VTR multilingual advertising system for Switzerland based on BCN 100 1 in. multicassette machines 2−16665

television camera tubes
see also image storage tubes
C-CD TV camera appls. in dimensional meas. of inspected moving objects 2−6948
development, modern trends in TV *(Russian)* 2−16645
dimensions stabilisation, spatial rasters position *(Russian)* 2−11221
diode gun TV camera tube *(Japanese)* 2−11211
electron-optical, new concept and technology 2−9376
history 2−1124
low-frequency spatial image processing by control of TV camera tube mode *(Russian)* 2−16644
monochrome/colour MOS imaging devices for TV cameras 2−24887
multisignal vidicons, colour reproduction distortions *(Russian)* 2−11222
pyroelectric devices, appls. 2−1548
pyroelectric vidicon, prep. and performance of reticulated targets 2−1122
pyrovidicons using infrared imaging sensors *(Japanese)* 2−9375
Saticon 1-inch tube, for high-definition colour TV cameras 2−20038
signal processing of pyroelectric vidicons *(Japanese)* 2−5515
solid-state vidicon *(Spanish)* 2−5517
vidicon devices, appl. of a-Si:H 2−20107
vidicon operation with nano-second exposures *(Russian)* 2−1125
vidicons, photometric properties, TV channel transducer appl. *(Russian)* 2−11223
Si:H, amorphous, vidicon targets, blocking struct. role 2−25566

television cameras
see also colour television cameras
area image sensor CCD221, appl. to TV cameras 2−11200
Bosch TV camera, using fibre optical transmission 2−6919
C-CD appl. *(French)* 2−16617
development, modern trends in TV *(Russian)* 2−16645
digital video processor, universal 2−21981
electronic cinematography camera, design considerations 2−26628
ENG camera survey 2−26634
Grundig VP100 portable video camera with compact video cassette *(German)* 2−16620
Harris TC-85 colour auto camera, views of cameraman, engineer and programme director 2−26626
instantaneous-action TV image dissectors and applications 2−26778
Kadek vision, short profile 2−26624
MAG camera, video recording camera 2−2945
miniature transmitting TV cameras, review *(Russian)* 2−11220
Philips LDK 14S, improved version of LDK 14 2−11196
RCA Hawkeye recording camera system 2−26633

television cameras continued
semiconductors image sensors in TV cameras *(German)* 2−11202
shading corrector for TV cameras, microprocessor based 2−6930
solid-state image sensors for use in video cameras 2−2952
spectral sensitivity and transfer characts. of TV cameras, application in machine text observation and central *(German)* 2−24882
sync failure protection IC 2−16622
synchronised shuttered video camera for high speed video photography 2−11253
techniques when shooting complex combined pictures *(Russian)* 2−16648
telecine, Japan *(Japanese)* 2−11244
underwater imaging equipment, ENG camera appl. *(Japanese)* 2−16652
video camera for made-for-TV programmes to eliminate the need for traditional film gear 2−26625
visual tracking in stereo by computer vision system using TV cameras 2−10724

television equipment
see also video and audio discs; video tape recorders
6-bit monolithic video flash A/D convertor 2−24566
A/D convertor for high definition TV *(Japanese)* 2−6924
AEG-Telefunken freq. dividers, with high input sensitivity *(German)* 2−19810
audiographic teleconferences, French network *(French)* 2−26654
B3565 Marconi synchroniser, soln. to synchronisation problem 2−2924
C-CD comb filter, for colour video signal processing 2−19783
channel selector control system automation *(Russian)* 2−11217
coaxial blocking filters for reduction of interference in TV channels *(Norwegian)* 2−24581
coaxial components for sound and TV broadcasting 2−14354
colour electrophotography, TV programme title design appl. *(Japanese)* 2−16633
colour negative film for high temp. use *(Japanese)* 2−11209
cursor, digital, appl. to frame-by-frame anal. of speaking face 2−26653
D/A convertor, for generating 8 levels of grey *(Italian)* 2−6910
decentralized TV-test and -monitoring system for Deutsche Bundespost 2−16806
developments in television, IFA exhibition report *(German)* 2−26622
digital hierarchy of TV picture quality levels 2−16639
digital signal processing techniques, status, problems and prospects 2−16621
digital signal processors for TV receivers, LSI ICs *(German)* 2−11198
digital synchronisers, economical alternative 2−2925
digital TV measuring instruments 2−3050
display generator and video countdown programmer for digital insertion appls. 2−11254
electrically programmable CCD transversal filter LSI for TV ghost canceller 2−21964
fibre-optic line for wideband TV signal transmission from commentary cameras *(Russian)* 2−2935
ghost cancelling by LMS-RAT digital filter 2−21957
graphics generator, electronic, microprocessor-based 2−21963
group-delay equaliser, active Darlington allpass filter *(German)* 2−19809
high-speed 8-bit A/D convertor for appl. in high definition television system 2−2926
HMI luminaire design considerations 2−26630
image system for light figures, appl. to crystal orientation determ. 2−11258
Klaus Hencke TV modulator 958/1, cct. and description *(German)* 2−2921
large screen projector with rear projection *(German)* 2−11204
lightweight two-camera outside broadcast units, design and user requirements 2−16629
line scan generator, integrated microcircuit *(Russian)* 2−16646
liquid crystal television display 2−6915
measurement equipment used in evaluating quality of TV 2−11155
microprocessor control system for recording and trnsmission of television programmes with the aid of equipments with dynamic carrier 2−11143
modulator IC operation, LM 1889, amateur appl. 2−6921
monitors, electronic zone plate and relted test patterns 2−16627
MOSAIC−a modern remote-control system for television production-centre equipment *(German)* 2−26587
NTT AO-3-A video switching equipment for microwave service networks 2−2932
outside broadcast units, practical design 2−16630
picture signal transducers, raster parameters, AFC system *(Russian)* 2−2936
power supply apparatus for TV and cinefilming lighting sources *(Russian)* 2−23372
programme production system, microcomputer-controlled *(Japanese)* 2−11137
projection TV distortion correction requirements 2−21954
Quantel digital Production Effects equipment for high-speed video signal processing 2−6920
quasistatic TV image recording using narrowband SSTV and audio tape recorder *(German)* 2−6945
Questech 6001P component coded PAL framestore synchroniser 2−11207
QX 7000 video mixing unit, development, appls. *(German)* 2−26631
real-time computer graphics systems, ICON, Flair 2−11208
remote control using SILK integrated communication system, TV studios appl. 2−6721
RGB and NTSC signals, coder/decoder units 2−16637
SAW filter for medium-frequency TV, transmission characts. 2−1533
SECAM TV studio equipment and system for Toshiba 2−26603
SECAM video mixers, chrominance signal instability, compensation 2−21961
slow scan TV digital monitor *(Polish)* 2−21949
special effects equipment for TV filming 2−11219
stereo-duo-tone adapter for standard TV set *(German)* 2−11205
Tektronix 468 digital storage oscilloscope, used for TV system timing measurements 2−22299
TESLA SECAM decoders, colour synchronizing system 2−21962
test signal transmitter for TV broadcasting 2−26863
TM308/313, portable TV microwave link 2−26390
Toshiba broadcast equipment technology, recent developments 2−26602
training courses for broadcast engineers 2−26585
transposer system, automatic waveform equalizing equipment for ghost cancellation and distortion compensation 2−6925
TV transposer equipment, coaxial components *(Hungarian)* 2−16623
vertical deflection *(German)* 2−11206
vertical deflection circuits, monolithic implementation *(Russian)* 2−6929

television equipment continued
video signal digital freq. synchronisers DFS 1750, design 2−2923
vision mixing, a new generation in post production mixing 2−16626
Si photovoltaic power system for TV relay station *(Japanese)* 2−23367

television interference
broadcast radio and TV interference, correction techniques for transmission line corona 2−25997
coaxial blocking filters for reduction of interference in TV channels *(Norwegian)* 2−24581
European teletext systems, mutual compatibility problems and prospects 2−21522
ghost cancelling by LMS-RAT digital filter 2−21957
locating and correcting TV and radio interference 2−25994
transmitting system design, fundamental conditions *(Japanese)* 2−21923
TV/FM transposer, solid state IC satellite transmitter *(Japanese)* 2−21927
wind turbine effects 2−23231

television networks
audiographic teleconferences, French network *(French)* 2−26654
fibre optic video systems for remote track monitoring in Japanese National Railways *(German)* 2−6020
frequency spectrum utilisation, transmitting technology *(Japanese)* 2−21908
microwave service networks, NTT AO-3-A video switching equipment 2−2932
propagation meas. in the Gulf by microcomputer-controlled automatic stations 2−6898
radio-relay link path, reflected ray characteristic parameters, differential distortions *(Italian)* 2−6887
Spanish telecommunications network for the 1982 World Soccer Cup *(Spanish)* 2−21910
video synchronisers in practice for signal distrib. system 2−2859

television picture tubes
see also cathode-ray tubes; colour television picture tubes; fluorescent screens
3D television displays, analysis of various display devices including gas discharge panels 2−3229
deflection coil magnetic field measurement, using P855 minicomputer 2−17109
flat picture tube developments and principles *(Czech)* 2−5516
glass-metal seal, anode of TV tube, metallography study *(Polish)* 2−1107
Hi-rem tubes, shadow-mask with high resolution medical, scientific computing appl. *(German)* 2−7328
kinescopes panoramic reproducing devices, selection of parameters for optical system *(Russian)* 2−20044
mask, luminance modulation factor, max. resolution appl. *(Russian)* 2−11224
UHF television, signal strength handicap 2−2863

television receivers
see also colour television receivers
12 GHz receiver for television for satellites *(German)* 2−16585
Antiope and UK teletext reception comparison field trials 2−21524
automatic tuning, D-A conversion using IFO counters *(German)* 2−2889
beam-index colour CRT TV receiver 2−2902
CCD comb filter conversion to permit separate obs. of luminance and chrominance signals 2−6908
channel selector, using 74180, 74138, 74148 ICs *(Italian)* 2−21937
channel/programme number display for TV receivers *(German)* 2−26611
colour, PAL-decoder for video signal processing *(German)* 2−26613
colour bar test generator, SECAM/PAL for 2 system TV receivers *(German)* 2−6918
colour images generation by array processes 2−11194
convergence tuning ccts. *(Russian)* 2−11191
digital TV receiver, design, charact. *(Spanish)* 2−16599
digital TV tuning system with DIFMOS nonvolatile memory 2−2895
domestic TV set and peripheral equipment interconnection for VDU use *(French)* 2−21952
European satellite broadcast receiver compatibility conditions and performances *(French)* 2−21901
fast scan amateur 432-440 MHz band reception, vane modification to tuning capacitors 2−16606
flat screen display techniques for pocket TV receivers 2−21946
flat television screens, using electrolum., LEDs and liq. cryst. *(Spanish)* 2−11189
flat TV screen using liquid crystal matrix, operation and control *(Spanish)* 2−11190
frequency synthesizer phase noise effects 2−16575
ghost image canceller, 2 SAW dispersive delay lines appl. *(Japanese)* 2−16597
Hi-Fi quality processing of sound signal in TV receivers *(German)* 2−11178
IF frequency fine tuning by variable capacitance diodes, IFO counter storage, range/channel display *(German)* 2−11176
liquid-crystal TV receiver, portable 2−2904
microcomputer appl. *(Japanese)* 2−16598
microprocessor based frequency synthesiser system for TV receivers 2−16612
microwave receivers for satellite broadcasts 2−16584
monochrome receivers, LSI chip for small-signal functions 2−2897
out-of-channel response meas. for domestic receivers 2−16586
panoramic receiver for 70 cm band *(German)* 2−11180
portable, breakdown and reliability data, comparison of European and Japanese sets *(German)* 2−24020
recticle generation circuit, for TV set testing *(Spanish)* 2−11188
satellite broadcasting, individual receivers 2−16613
satellite receiver, 12 GHz front-end designs, using low noise GaAs MESFETS 2−16602
Siemens TUA2000 VHF tuner IC, charact. *(German)* 2−21936
sound multiplex decoder IC for TV receivers 2−2900
sound recording, problems *(German)* 2−11293
stereo, 3-channel, 1981 development trends *(Finnish)* 2−16582
stereo, for multichannel sound broadcasts *(Japanese)* 2−2908
synchronization signals, time instability meas. automatic meter with 2-3 ns meas. error *(Russian)* 2−3212
teletext demodulator for TV receivers 2−21933
TV sound tuner, providing high quality audio output 2−21938
video selectivity block for television receivers 2−2890
video tape recorders, code signal control *(German)* 2−21974
GaAs FET receiver for 12 GHz satellite TV broadcasts 2−21951

television reception
Antiope and UK teletext reception comparison field trials 2−21524
broadcast satellite signal reception and processing 2−21808
cable TV, features, advantages, prospects and problems *(French)* 2−26637
colour TV receiver, digital video signal processing, meas. for improving picture quality *(German)* 2−21939
direct reception from satellites, position control calculation *(Italian)* 2−6789
French regulations for TV and radio broadcasting and receiving centres protection from electromagnetic interference *(French)* 2−26570
ghosting and flutter prevention techniques *(Japanese)* 2−11184
image propagation characteristics, weather effects *(Japanese)* 2−11185
interference suppression techniques, after construction 500 kV power line 2−27542
laboratory model of equip. for reception in satellite TV systems *(Polish)* 2−11187
long-distance, effects of weather conditions on the range 2−2154
multichannel TV reception antenna problems *(Italian)* 2−26610
multiple ghost images subjective evaluation, perceived D/U ratio scale 2−2879
Nyquist demodulators, VSB envelope detection limitations 2−26605
perceived DU ratio in subjective evaluation TVB images impaired by multiple ghosts *(Japanese)* 2−6914
picture quality, subjective assessment technique 2−6909
reception centre cost anal., TV transposer powered by solar and wind generators 2−21950
satellite broadcasting planned for the FRD, critical appraisal 2−21948
satellite TV link quality improvement expts. with threshold extension demodulator *(French)* 2−21807
self-help systems for small communities, cable or re-transmitter systems appl. 2−16541
UHF antenna components, FCC study 2−16604
UHF television, signal strength handicap 2−2863
video channel parameter value distribution, approx. methods using assessment points *(German)* 2−26621
videotex service quality over switched telephone network, effect of transmission errors *(French)* 2−21533

television reception quality *see television reception*

television rediffusion *see rediffusion*

television signals *see video signals*

television standards
ACE 4-field TV standards convertor 2−16560
coding digital colour TV signals *(German)* 2−6889
convertors features 2−2931
digital, EBU/SMPTE agreement background 2−21907
European teletext systems, mutual compatibility problems and prospects 2−21522
high definition television systems: desirable standards, signal forms, and transmission systems 2−21956
high definition TV, international standards *(Japanese)* 2−11140
high-definition TV developments 2−2922
international, and VHF TV channel locations 2−26600
measurement equipment used in evaluating quality of TV 2−11155
SMPTE component-coded digital video, picture quality assessments 2−16571
Telidon system, evolution and prospects 2−21496

television stations
cable subscription TV experimental station 2−11229
consequences for broadcasting stations of continuing developments made in electronics *(German)* 2−21905
European broadcasting stations, organisation, responsibilities and services of agencies in France and Sweden *(Japanese)* 2−11141
multipurpose transmission site at Saint Chrischona, Switzerland *(German French)* 2−11166
multipurpose transmission tower for radio relay, TV and radio services at Saint Chrischona, Switzerland, lightning protection *(German French)* 2−11167
remote control TV repeater stations *(Spanish)* 2−26590
UHF high-power subscription TV station for pay TV operation in San Jose, CA, USA 2−21920

television studios
BBC TV trials studio 2−26586
colour TV studio with Grundig equipment at GNL comprehensive school *(German)* 2−11135
commercial sound effects production, stereo effects *(Japanese)* 2−2873
digital signal processing techniques, status, problems and prospects 2−16621
digital video coding, parameter selection 2−16544
future of studio design and systems engineering 2−16573
Kadek vision, short profile 2−26624
lighting, high-power single-ended discharge lamps 2−8078
lighting equipment in Europe *(Japanese)* 2−16569
magnetic recording of digital video signals 2−16546
master control monitors, standardization of colour reproducing charact. 2−11195
MOSAIC−a modern remote-control system for television production-centre equipment *(German)* 2−26587
multiple microphone use, in musical programmes *(Japanese)* 2−2869
off-line editing of videotape, VTR design 2−11240
PAL studio system for Sri Lanka Broadcasting Corp., Colombo Studio Centre 2−26604
picture component coding system, experimental 2−21911
Pro-Video Color SA/, Paris 2−2860
production techniques for digital TV systems 2−16545
programme production system, microcomputer-controlled *(Japanese)* 2−11137
QX 7000 video mixing unit, development, appls. *(German)* 2−26631
SECAM TV studio equipment and system for Toshiba 2−26603
SILK integrated communication system, remote control video equipment appl. 2−6721
stereophonic and dual language transmission, recording techniques *(Japanese)* 2−2867
stereophonic broadcasts, recording studio equipment *(Japanese)* 2−2866
techniques when shooting complex combined pictures *(Russian)* 2−16648
TESLA SECAM decoders, colour synchronizing system 2−21962
Toshiba broadcast equipment technology, recent developments 2−26602
wireless controls for TV studio lighting *(Japanese)* 2−6882

television systems
see also cable television; closed circuit television; community antenna television
2-sound channel TV, audio signal processing *(German)* 2−2920
control/measurement development based on Olympic TV-radio complex *(Russian)* 2−2934
depth measurement by stereo TV system, determination of accuracy *(Russian)* 2−22177
diagnostic meas. on microwave systems 2−11601
digital, overview of advances in technology 2−26592
digital communication systems, microwave appls. book 2−6747
display systems, zone plate pattern for testing of vertical/horizontal freq. charact., electronic generation 2−2918
high definition, strategies for compatible systems *(German)* 2−26623
high definition television systems: desirable standards, signal forms, and transmission systems 2−21956
interbusiness communication and TV, TELECOM 1 satellite system *(French)* 2−21799
lateral motion real-time anal. using laser speckle direct obs. method 2−11620
master control monitors, standardization of colour reproducing charact. 2−11195
multichannel analogue TV transmission over graded-index fibres, noise, distortion and fibre length 2−11199
PAL studio system for Sri Lanka Broadcasting Corp., Colombo Studio Centre 2−26604
pay TV, factors involved in TV entertainment system 2−16649
picture quality of component digital television systems, effects of analogue filtering 2−16638
projection TV, 3-D TV and high-definition colour TV 2−21959
slow scan, on HF and VHF amateur radio bands 2−6926
slow scan television in amateur radio 2−11197
slow scan TV systems using Robot 400 scan converter 2−26627
slow-scan TV, received signal processing 2−16635
slow-scan TV, scan conversion techniques 2−16634
SMPTE demonstrations of component-coded digital video, San Fransisco, 1981 2−16636
stereo-television system based on light-valve spectacles using liquid-crystal cell with twist effect *(Russian)* 2−16643
three-dimensional TV systems, compatible volumetric, using colour, monochromatic TV and LED tank 2−16616
US pulse echo instrument, compact US delay line for calibration 2−12101
X-ray TV system, resolution and transmission problems 2−17366

television transmitters
assembly and maintenance work *(German)* 2−11171
Black Mt. Telecom. Tower, Canberra, commercial TV installation 2−26601
decentralised automatic TV transmitter monitoring system 2−11163
four pole electron tube for radio and TV transmitters *(Japanese)* 2−20016
frequency synthesizer phase noise effects 2−16575
Hungarian lost broadcast transmitter equipment *(Hungarian)* 2−6903
IF modulation format *(Japanese)* 2−21926
mass-media complex project in Republic of Zambia, studio, transmitter and film facilities 2−26599
microwave TV link, movable transposer *(Japanese)* 2−21928
monitoring transmitter performance, automatic video signal processing instrument with logging capability 2−22083
monochrome devices for TV information transmission *(Russian)* 2−16580
propagation meas. in the Gulf by microcomputer-controlled automatic stations 2−6898
random interference, regulation and meas. 2−11169
repeater transmission power supplies, unconventional sources 2−6902
RF power semiconductors, unpaid on transmitter design 2−6904
RF tests using Maintenance Automatic Test Equipment 2−22066
stereophonic sound transmission in Federal Republic of Germany *(German)* 2−11134
Toshiba's 1-tube 20/25 kW VHF TV transmitter 2−2886
transmitter tetrode, new generation, props. and construction *(German)* 2−9361
transmitting tubes for radio and television broadcasting/ 2−1111
TV/FM transposer, solid state IC satellite transmitter *(Japanese)* 2−21927
UHF and VHF transmitters, recent developments *(Japanese)* 2−11165
UHF high-power subscription TV station for pay TV operation in San Jose, CA, USA 2−21920
UHF medium power LDM 1740, klystrons type YK 1220, 1230 appl. 2−11159
UHF transportable transmitter for emergency resumption of broadcasting, IBA Fourth Channel appl. 2−11160

TEM *see transmission electron microscopy*

temper brittleness *see brittleness*

temperature
see also atmospheric temperature; boiling point; Debye temperature; ferroelectric Curie temperature; magnetic transition temperature; melting point; superconducting transition temperature; temperature scales
electrochemical H-Cl energy storage system, cell temp. optimisation for minimum capital investment 2−12783
fluorescent lamp performance and design, ambient temp. effects 2−13051
investigating the temperature conditions of complete phase-separated screened bus trunking *(Russian)* 2−27872
scale exfoliation in boiler superheater and reheater tubes, relationship to operating temp. cycles 2−12486
Fe, mechanised welding with cored wire, weld formation, preheat temp. effects 2−23803

temperature compensation *see compensation*

temperature control
see also thermostats
2−22213
aerial preamplifier on Prognoz type satellite, optimal thermal regime 2−10600
cooling channel, long distance, temp. control using microcomputer 2−3757
crystal growth, microprocessor-controlled system, design and implentation 2−13811
current-sensing resistors for electron beam yoke drivers, temp. control system 2−14249
digital temp. control and meas. system with temp. resolution of 1 mK 2−17159

temperature control continued
digitally controlled temp. control unit in 6000 series for JFET, report 2−11610
EEC solar power plant steam generator control system design and simulation 2−27839
electric cooking unit electronics *(German)* 2−23759
FTIROS film, optical modulator, temp. control by semicond. thermocouple converters 2−20706
fusion reactor feedwater *(Russian)* 2−23014
heating control equipment optimisation *(German)* 2−18773
heating element temperature controller cct., Wheatstone bridge arrangement 2−5316
high-speed thermal printing head and its temperature control 2−19988
hothouse winter and summer temperature control, using triac switches *(Spanish)* 2−28248
KLIMACT drives with integrated temperature controller *(German)* 2−12971
linear temperature programmer for thermally stimulated current meas. 2−26929
microprocessor-based data loggers, energy management appl. 2−26793
microprocessor-based residential heating controller 2−4476
pulse width modulators, control appls. 2−13943
recovery boiler operations, digital computer control 2−23106
room temp. control and radiator thermostat perf. *(German)* 2−23771
room temperature, using monolithic integrated zero voltage switching circuit *(German)* 2−9160
seed crystal support during growth, temperature controlled 2−24280
solar line-focus collector, analytical dynamic modelling, control appl. 2−23441
solar powered boiler, temperature regulator design, effect of nonMarkovian cloud patterns 2−18080
soldering iron temperature controller, using triac *(Spanish)* 2−23991
space heating and air conditioning microprocessor control systems 2−13086
system for temperature control of peripheral units, microprocessor-based, MC 6800, MC 6821 *(Spanish)* 2−7230
temperature excursions controlled to prescribed limits using ICs, relay 2−14240
temperature meter for electric machines, Soviet GOST Standard check *(Russian)* 2−27854
thermocouple reference junction temp. uniformity maintenance in multijunction oven 2−4468
thermoelectric elements, temp. control of extracorporeal blood circulation apparatus 2−17398
thyristor-based digital regulator 2−8975
TR 4379 temperature controlled, characteristics of thyristor final control elements *(German)* 2−12753
triac appls. to temp. control and setting *(German)* 2−1365
ultrasonic temperature controller using sing-around technique 2−17611

temperature distribution
equatorial Atlantic Ocean, comparison of satellite and ship data on surface water temp. 2−12086
autoclave cover of lignite drying kiln, temp. field analysis *(Croatian)* 2−17162
boiler isothermal modelling using the swirling equation 2−27733
boiler superheater thermal stratification reduction by change of hydraulic charact. 2−17997
electric machine stator groove, nonstationary heating, differential eqns. and algorithm *(Russian)* 2−12578
electron beam welding, heat energy distribution across surface of welded object 2−28291
electronic instruments temp. field computing *(German)* 2−11334
electroslag surfacing with cored wire, temp. gradients 2−23801
large capacity, design and manufacturing techniques, reliability testing, for use in thermal and nuclear power stations 2−27973
laser crystal rod of anisotropic thermal cond., thermo-optic props. *(Chinese)* 2−6193
measurement using laser radiometer *(Rumanian)* 2−11496
p-n junction local characteristics determ. by induced potential method in stroboscopic mode 2−25047
power thyristor computer-aided surge capability prediction and anal. under 50 Hz half-sine wave overloading 2−20245
power transformers, EHV, windings temp. rise and additional losses distribution calculating numerical method *(Czech)* 2−27955
semiconductor, thermal analysis of CW laser annealing beyond melt temp. 2−25137
steam turbine flow section, temp. meas. 2−27729
superconducting cable cooldown, temp. fields calc. 2−3758
superconducting magnet current leads, effect of coolant loss 2−9950
superconducting magnet system, quench propag., coil and protection design, computer program 2−9949
thermoelement, anisotropic, temp. distrib. in mag. field, energy charact. optimisation 2−12936
thermoelements, anisotropic, temp. independent transport coeffs., maximum cooling condition 2−20056
thermograph, camera and monitor assemblies, for technical and research appl. 2−22161
turbine-generator rotor unbalanced faults computing, heating effects prediction 2−7808
underground power cables, backfill materials soil treatment, heat flow analysis 2−22929
CsI, highly transparent, bulk absorpt. coeff. at 10.6 μm, laser calorimetry meas. 2−25473
Ge crystals, effect of thermal conditions during growth on stresses 2−548
Si concentration solar cells operating temp. effects on electrical performance 2−23467
TlCl-TlBr, KRS-b, highly transparent, bulk absorpt. coeff. at 10.6 μm, laser calorimetry meas. 2−25473

temperature measurement
see also pyrometers; spectral methods of temperature measurement; temperature scales; thermocouples; thermometers
ADC appl., CMOS, 8-bit *(German)* 2−887
ambient temperature monitoring using microcomputer and thermistor transducers 2−16794
asynchronous motor stator winding temp. rise determ. *(German)* 2−27908
autoclave cover of lignite drying kiln, temp. field analysis *(Croatian)* 2−17162
automobile, catalyst temperature stress meas. using microprocessor based data logger 2−26794
average temperature transducer using amorphous magnetic tape 2−16936

temperature measurement continued
block-braked monobloc wheel temp. meas. by jacket thermocouples *(German)* 2−11649
condensation thermography technique for short circuit location and surface temp. determ. in semiconductor die 2−9598
correcting dynamic characteristics at thermometer probes *(Polish)* 2−11451
d.c. amplifier suitable for temperature measurement *(German)* 2−724
digital contact thermometers, technology, charact. *(French)* 2−22419
digital devices for measuring temperatures *(Russian)* 2−22420
digital temp. control and meas. system with temp. resolution of 1 mK 2−17159
dwelling houses temp. measurement system for energy savings *(Swedish)* 2−18771
electric machine winding temp. rise calc. algorithm 2−4043
electronic thermometer with digital display, 1N4002 diode sensor 2−3115
energy conservation test facility, data acquisition system 2−22200
expendable bathythermographs as temperature microstructure profilers 2−27288
fast-response temp. sensor for hostile environment 2−16961
gas density automatic meas. system 2−7018
grinding mill trunnion bearings, protective instrumentation 2−26957
holographic interferometry appl. *(Spanish)* 2−15564
instrumentation, types, present state and future trends 2−6990
ion thermometers in reactor technology 2−11655
IR temperature scanner for heat treatment shops 2−3162
laser annealing with CW Ar laser, in situ temp. meas. using opt. pyrometer 2−25138
maximum and minimum thermometer with measurement memory *(German)* 2−22304
measurement, control and evaluation of cryothermal test with a large IBM computer 2−22425
melting point, accurate measurement using thermoelec. resist. thermometer *(Japanese)* 2−11652
meter for electric machines, Soviet GOST Standard check *(Russian)* 2−27854
microprocessor based temperature monitor and logger 2−17163
microprocessor-based data loggers, energy management appl. 2−26793
microprocessor-based thermometers for cryogenic temp. meas. *(Russian)* 2−11654
microprocessor-based transducer charact. *(German)* 2−11475
microwave diathermy, anal. of minimally perturbing temp. probe and thermographic meas. 2−27131
molten steel temperature measurement signals, appl. of pattern recognition anal. filtering *(Polish)* 2−11653
multi-functional temp. sensors, appls. and future developments 2−7081
natural gas flames, temp. meas. by multielement thermocouple 2−22422
ocean salinity-temperature profilers (expendable), meas. errors 2−22729
oceanographic conductivity-temperature-depth telemeter, microcomputer controlled 2−22739
oceanographic temp. meas., correction of dynamic errors from discrete data 2−27287
oceanographic VACM temperature sensor dynamic response 2−27278
oil-immersed transformer, method 2−22418
optical fibres as temperature sensors using cladding and jacket loss effects 2−15291
piezoelectric frequency thermometer, meas. error analysis 2−16952
plotters, twelve-channel 'W+W' recorder using thermocouple, Pt and NTC sensors *(German)* 2−26876
power cable short-circuit temp. meas. 2−22424
power stations measurement techniques certification 2−17157
radiometer for laser beam power meas., charact. and performance, temp. radial gradient meas. *(Rumanian)* 2−11496
radiothermograph, meas. of intrinsic microwave radiation from human body 2−22550
resistance pickups, Wheatstone and active bridges comparison *(German)* 2−17043
rotating component, real time temp. pattern meas. with image derotator-liq. cryst. unit 2−16866
self-heating semiconductor diode *(Croatian)* 2−14820
smoke detector chip, temperature sensor/alarm appl. 2−22228
standard development, 1064.43-1769°C, using thermoelectric thermometers 2−26983
stator thermal probe, information meas. provisions 2−16983
steam turbine channel, thermocouple appl. 2−27731
steam turbine flow section, thermocouples and multipoint potentiometer appl. 2−27729
steam turbine i.p. cylinder, thermocouple appl. 2−27730
superconductive thermometric fixed point device, SRM 767 *(Japanese)* 2−1627
superconductive thermometric fixed point device, SRM 768 *(Japanese)* 2−1628
synthesis, review *(French)* 2−17153
telethermometer, for remote meas. of human skin temp. 2−22530
temperature probe using LM335 IC, 0-1 V voltmeter 2−3291
thermal alarm, low power consumption, construction details 2−9172
thermal conductivity determination, temp. meas. accuracy, thermocouple comparison 2−11650
thermal field, high freq. numerical meas. method *(Chinese)* 2−17154
thermistor resistance conversion to voltage, using stable current generator 2−16953
thermistor-astable multivibrator appl., linear temperature-to-frequency convertor 2−16934
thermocouples and other electric transducer devices, apparatus for rapid determ. of time constant *(Italian)* 2−7077
thermoelectric circuit with potentiometer appl., testing errors determ. 2−17158
thermograph, camera and monitor assemblies, for technical and research appl. 2−22161
thick film sensors, Du Pont compositions appl. 2−24833
time-variable temps. measured under strong electromagnetic interference, recording methods 2−26978
transducer linearity improvement *(Russian)* 2−3128
transducer types, based on resistance or thermoelectricity changes *(Dutch)* 2−11432
transfer thermography 2−26781
vapour, condensable, low-pressure, dynamic isotope power system appl. 2−22426
water surface microwave radiation, temp. variations in presence of ripples determ. 2−27283

temperature measurement continued
Au semitransparent film as surface heater and resistance thermometer, nucleate boiling appls. 2−3141
$Ba_{0.5}Sr_{0.5}TiO_3$ multifunctional ceramic temp.-humidity sensors 2−22240
Ge diode, low temp. thermometric characteristics, 20 to 300K 2−5722
Si diode, low temp. thermometric characteristics, 20 to 300K 2−5722

temperature scales
13.81K to 273.15K, interpolation methods for Pt resistance thermometers 2−11321
Ga melting point appl., 29.7714°C primary standard for laboratory and industrial appl. 2−22037
^{20}Ne triple point 2−11322

tempering
steel, C, magnetic method of quality inspection of high temp. tempering 2−13893
steel, low alloy, medium- and high-strength, AE during ductile fracture, effect of proof stress, composition and microstruct. 2−13880
steel, Ni (3.5 wt.%), AE during deform. and fracture, microstruct. effect 2−13879
Fe-Pd (18 to 52.5 at.%) alloy, mag. props., by mag. meas. and X-ray diffr. 2−9866

tenacity *see tensile strength*

tensile strength
see also fracture; yield strength
lightguide fusion splices, tensile strengths of >4 GPa obtained using Cl-OH torch for splicing 2−5998
polyester fibres, modification of struct. by stretching and thermal treatment *(German)* 2−13867
PTFE in liquid N_2 in strong electric field, durability study 2−25384
sand, moulding and core, universal apparatus for strength meas. 2−19479
steel, C, US prediction of grain size, strength and toughness 2−8883
steel, stainless 304 and 21-6-9, unflawed, AE under biaxial stresses 2−13882
Al and Al alloys 7075 and 7050, AE during tensile and compressive deform., microstruct., effect 2−13891
Be wire, high-strength, mech. props. and elec. cond. 2−611
Cu foil, PCB, electroplating, effect of manufacturing parameters on ductility/tensile strength of board 2−14481
Fe-C alloys and structural steel, AE during tensile tests 2−13881
Fe-Si alloys, high Si content, mech. and mag. props., recent studies 2−15114

tensimeters *see vapour pressure measurement*

tensors
determinant of general tensor 2−161
differentiation, shells theory 2−8425
holomorphic tensors on a compact Kahler manifold *(French)* 2−4831
large turbogenerators excitation loss detection response and selectivity anal. using mathematical model 2−27869
local models of closed transitive 3-forms on 5-manifolds *(French)* 2−13509
multilinear and tensor algebra 2−24247
products of linear homogeneous inequalities 2−13360
representation using MacMahon's coloured cubes 2−4880
symmetry classes induced bases 2−8364

terminals, interactive *see interactive terminals*

ternary logic
laboratory manual, book 2−25257
LED addressing technique using three state logic 2−26902

ternary semiconductors
for pseudobinary semiconductors, see II-VI semiconductors, III-V semiconductors, III-VI semiconductors, IV-VI semiconductors and semiconductor materials
see also chalcogenide glasses
quantum electronic materials, growth and charact. *(Russian)* 2−9967
single cryst. film growth, by sputter deposition, ion-surface interaction effects 2−24328
$AgGaSe_2$, noncritically phase-matched, tunable coherent 16 μm radiation by difference freq. mixing 2−10271
$AgGaTe_2$, monocrystals, residual cond. *(Russian)* 2−5589
$AgSbTe_2$, thermoelec. hole spectrum model of transport props. 2−14667
$Bi_2Te_{2.88}Se_{0.12}$, extruded, elec. props. and struct. 2−20118
Cd-Si-As film, sputtered, compositional studies 2−5012
$CdGa_2S_4$ single crystal narrow-band tunable optical filter 2−20712
n-CdTe:Pb films, vapour deposited, elec. anal. optical props. 2−14655
p-$CuGa_{1-x}In_xS_2$/n-ZnSe heterojunction LPE growth from In soln. 2−8813
$CuIn_yGa_{(1-y)}Se_{2z}Te_{2(1-z)}$ heterojunction solar cells prep., RF sputtering technique, charact. 2−23590
$CuInS_2$, crystal growth, horizontal Bridgman method 2−8793
$CuInS_2$, growth on GaP substrate, by chem. vapour deposition 2−5019
$CuInS_2$ photovoltaic material, growth and elec. props., solar cell and cell array appls. 2−20726
$CuInSe_2$ epitaxial layers, on {110} and {100}-oriented GaAs substrates, struct. using RHEED 2−1208
$CuInSe_2$ epitaxial layer growth on GaAs, struct. and elec. props., substrate surface polarity influence 2−19404
$CuInSe_2$, oxidation stability studies 2−18589
$CuInSe_2$ single crystal, carrier heating by microwave elec. field 2−5593
$CuInSe_2$, thin films, ion-beam sputtered, characterisation 2−5599
$CuInSe_2$-CdS thin-film high-efficiency solar cells, development 2−23583
n-$CuInSe_2$-p-GaSe heterojunction, photoelec. and elec. props. 2−9491
$CuInTe_2$ single crysts., as-grown elec. props. 2−25032
$CuTlSe_2$, liquid, elec. cond. and thermoelec. power 2−9464
$FeCr_{2-x}In_xS_4$, electrical props. 100 to 650K *(Russian)* 2−5587
$Hg_3In_2Te_6$-SnS_2 n-n heterojunction formed by optical contact, charact. 2−1226
$LiGaSe_2$ single cryst. growth and characterization 2−8792
TlGaSSe, electrical props., forbidden band width 2.2 eV *(Russian)* 2−5588
$ZnGeP_2$, IR absorpt., brightening effect, heat treatment effects 2−20614
$ZnGeP_2$ p-n homojunction diodes, photoresponse anisotropy, bias voltage depend. 2−10119
$ZnIn_2S_4$, elec. cond. and charge storage in sample modulated by perpendicular applied elec. field 2−1210
$ZnSiAs_2$, MO-CVD growth and characterisation 2−13841
$ZnSiAs_2$, VPE growth on Ge and GaAs substrates, struct. and elec. props. 2−4988
$ZnSnAs_2$, p-type, theoretical evidence for impurity cond., explanation of Hall coeff. temp. depend. 2−1211

terrestrial electricity
conductivity imaging for core samples, anal. 2−3582
Detour Zn-Cu-Ag deposit, NW Quebec, airborne EM discovery 2−17547
dipoles near dissipative Earth, discrete image representation 2−25930
dipoles near dissipative Earth, discrete plus continuous image representation 2−25931
EM induction, E-polarisation boundary conditions above laterally non-uniform conductors 2−7415
EM induction, numerical methods for establishing solns. to inverse problem 2−17553
EM induction, transient response of induction logging tool in borehole 2−17548
EM induction sounding, method of reducing terrain relief effects from VLF-EM data 2−22716
EM probing, appl. to injected fluid flow monitoring 2−7440
EM sounding, finite element modelling of data in three dimensions 2−3581
EM sounding, multifrequency Turam meas. over sulphide deposit 2−17546
geophysical prospecting, finite element modelling of data in three dimensions 2−3581
groundwater, EM prospecting in Precambrian terrain in Upper Volta 2−27279
groundwater exploration in Sudan, via combination of elec. resistivity, seismic refr. and gravity meas. 2−17564
groundwater exploration in Taoyuan-Chungli area, N Taiwan, geoelectrical investigation 2−12083
high-frequency induction log isoparametric sounding, physical principles 2−27265
high-frequency signal propagation and scattering in guiding channels 2−10547
induced polarisation in disseminated sulphide ores containing elongated mineralisation, theory 2−17545
induced-polarisation, contour map presentation of dipole-dipole data 2−7418
magnetotelluric inversion, analytic one-dimensional scheme 2−7419
magnetotelluric inversion, new technique for layered Earth interpretation 2−17544
magnetotelluric modelling, one-dimensional, topography and minimisation of standard deviation 2−7420
ocean, anal. of EM technique for investigation of currents *(Russian)* 2−7446
resistivity profiling, appl. of different electrode arrays over graphite deposit 2−7416
resistivity sounding, theoretical and practical expts. with focused elec. resistivity arrays 2−7417
sediment conductivity determ. using sea current electric field 2−12082
telemetering equipment for Japanese coseismic terrestrial electricity data system *(Japanese)* 2−7410
transient EM response of polarisable ground, theory 2−3583

terrestrial magnetic field *see geomagnetism*

terrestrial magnetism *see geomagnetism*

test equipment
see also automatic test equipment
16 pin IC test device, using oscilloscope to display pin potentials *(German)* 2−22303
active loop test device, for loop communication system 2−7060
active probe for MOS, TTL logic cct. testing *(German)* 2−5209
airconditioning plants, measuring and testing instruments 2−13100
analogue switch on-state resistance measurement, test circuit 2−11506
artificial-mains network ESH-2-Z5 for measuring interference in communications receivers 2−26900
asynchronous motor stator winding temp. rise determ. *(German)* 2−27908
automobile industry dynamic electrical test rigs, economic advantages *(German)* 2−13264
automobile spark timing control circuits testing 2−13049
Benchmate, utility AF amplifier and variable regulated power supply for test bench appls. 2−7153
blast furnace, testing, O partial press., direct meas. 2−11462
cable fault location, tri-lead test using loop radiator 2−5393
cable testing cct., using LEDs 2−979
capacitance and resistance substitution box, constructional details 2−17047
car engine testing set for general motorists 2−23722
car headlamps testing, using SP/99 Soft Power microcomputer *(Italian)* 2−22061
CB radio, 27 MHz FM deviation meter 2−26869
coaxial cable fault location using Schmitt triggers 2−14325
colour bar test generator, SECAM/PAL for 2 system TV receivers *(German)* 2−6918
conducted emission limits of VDE 0871/0875 and MIL-STD-461A 2−22036
continuity tester, meas. of resistance as low as 0.1 Ω, 741 op. amp. cct. 2−866
continuity tester for bread-board checks 2−11504
convertor device testing, based on consumption current 2−26810
CRO, storage, for TV receiver tuning and testing *(German)* 2−3174
CRO used for electronic component testing, charcts. 2−7135
D/A convertor exerciser 2−5325
direct reading frequency meter, construction details 2−16999
dynamic RAM functionality, 64K and 16K types, simple tester 2−14101
effects of constant current/constant voltage charge parameters on lead acid traction cell performance 2−12808
electric machine defects detection, diagnostics system 2−4010
electro-optical transmitters for HV and heavy current measuring appls. in electric power test laboratories *(French)* 2−17075
electro-optical transmitters for HV and heavy current measuring appls. in electric power test laboratories *(French)* 2−17076
electromagnetic interference filter insertion loss meas. system using swept frequency method 2−21123
electronic components, instruments and troubleshooting, book 2−4572
EM flowmeters reference installation 2−16955
EPROM tester 2−14093
EPROM tester to find erased devices 2−5222
FET dip oscillator, 1.6-215 MHz with tone dip feature 2−26865
flashmeter, construction details 2−17145
fly height testers for magnetic recording heads, sputtered standard 2−25432
frequency response display circuit, description and applications 2−9170
go/no go capacitance checker cct. 2−7182

test equipment continued
GTD-5 EAX digital printed wiring card test philosophy 2−2618
Hewlett Packard Model 8161A pulse generator for testing fast logic families 2−16994
instruments for electricians and maintenance men 2−22311
IR imaging instrumentation for plant and equipment testing 2−7038
light density meter, for testing displays, design and construction *(Hungarian)* 2−11643
liquid quantities meas., test equipment installations meas. 2−16771
locating high voltage insulation faults in switchgear 2−23379
logic analyser function, operation and applications *(German)* 2−16897
logic generator for digital circuit testing *(German)* 2−7057
low-resistance continuity tester 2−4640
LSI custom digital circuits, testing methods and equipment 2−14964
measurement of transmission and physical properties of optical fibres 2−15334
microprocessor chip signal transition indicator *(Italian)* 2−9127
microprocessor chip testing, diagnostic test clip and apparatus 2−19716
monolithic ICs, compare-equal checking of outputs of pairs of identical chips for reliability improvement 2−14909
MUF2 TV transcope for 1 MHz to 1 GHz frequency range 2−26885
optical testing of computer circuitry 2−13272
overspeed test stand for commutation 2−23239
passenger multiplexing service system for Boeing 767, in-plane and on-ground test equipment 2−12034
passive components, high-volume testing for production/inspection appls., meas. instrumentation selection 2−13279
PCB module pin/line cct. capacitance meas. test fixture, interface with bridge instrument 2−19936
piezoelectric crystal testers, ccts. 2−13270
portable tester for 16K, 64K dynamic RAMs 2−26803
power lead terminal electrical safety interlock for test operator protection 2−24770
power supply ripple voltage meas. cct. 2−7173
power transformer surge voltage and test pulse meas. *(German)* 2−27971
print wire actuator tester 2−23980
programmable digital delay test circuit for testing computer interfaces 2−8256
pulse generator, for radio-controlled models testing *(Spanish)* 2−3173
pulse generator for power transistor time parameters meas. 2−14847
recticle generation circuit, for TV set testing *(Spanish)* 2−11188
resistors production, metal-film, using fast microproof test set 2−13268
sequential sweep oscillator with hold on error feature 2−7113
serial line fault injector, clamping of line to ground for short periods 2−14242
signal transmitter for TV broadcasting 2−26863
stand-alone TTL performance test circuit 2−9071
state of the art, GTD-5 EAX component receiving inspection 2−6694
static control materials, surface resistivity monitoring, fixture design, quality control 2−17094
steam power station condensate electromagnetic filter, proving tests 2−17987
submarine cable fault location test set 2−21728
subscriber line testing for digital switching offices 2−10922
telecommunication, cooperation between customer and manufacturer 2−26174
TEM cell, electronic equipment testing appl. 2−15740
TEM cells, electric quadrupole moment meas. of test piece, EMI emission appl. 2−26010
tester for simple loop resist. meas. of mains supply *(German)* 2−11331
transistor matched pair selector 2−19812
TV display systems, zone plate pattern for testing of vertical/horizontal freq. charact., electronic generation 2−2918
underground feeders, fault locating test set 2−7583
US hardness meter, portable, for steel testing 2−3177
water rheostat for shipyard use as test load 2−9245
welds in steel pipes for HV transmission towers, automatic ultrasonic test equipment appls. 2−7464
welds in steel structures, automatic ultrasonic test equipment appl. 2−7465
H_2SO_4 chemical heat pumps for industry 2−13090
Nb_3Sn cable-in-conduit force-cooled superconductor, stability meas. 2−5976

test facilities
see also aerospace test facilities; anechoic chambers; reverberation chambers
6×6 ft atmospheric fluidised-bed combustion facility status 2−23129
antenna test range evaluation by comparing quasi plane wave regions 2−2198
ATE appl. in military field environment, using mobile shelter facility 2−22136
ATE test strategy development, using requirements analysis 2−8291
ATE throughput maximisation 2−22114
automobile industry dynamic electrical test rigs, economic advantages *(German)* 2−13264
Battery Energy Storage Test Facility development 2−12778
blow-moulding process optimal design using computerised compressor test stand *(German)* 2−26711
boiler mock-ups for tubing degradation inspection in PWR boilers 2−7634
circuit breakers, HV test circuits preparation, computer-aided *(French)* 2−4304
Clarendon Laboratory, high field facilities 2−78
Cluster Test Facility for superconducting Tokamak toroidal coils 2−77
controlled temperature chamber with a wide temperature range *(Czech)* 2−13269
Electric Power Research Institute's Nondestructive Evaluation Center 2−17872
electromagnetic measurement range, Endicott, USA 2−21124
EMI test control, centralisation of equipment 2−22219
ENEL, unified remote control system, equipment for test and simulation *(Spanish)* 2−27488
energy conservation test facility, data acquisition system 2−22200
EPRI Nondestructive Evaluation Centre, for nuclear power industry 2−18968
experimental and theoretical study of high speed single sided linear induction motors 2−12664
flow calibration facility, using drag disc/turbine transducer, mass flow calc. 2−22444

test facilities continued
free-space transmission loss for anechoic chamber performance evaluation 2−22218
High Field Test Facility at Lawrence Livermore 2−76
high reliability test banks for endurance tests *(French)* 2−28188
in-circuit test systems capabilities and implementation 2−8261
large motor performance testing facility 2−16836
LOFT, cooled coaxial low flow velocimeter development 2−22441
LV circuit breaker development and testing, CESI laboratory facilities *(Italian)* 2−23396
microcircuit wire bonds mechanical testing, results anal. using K1510 microprocessor *(German)* 2−1049
mining machinery testing, computer controlled testing 2−13305
mixed flow fans 2−23978
multichannel data acquisition and processing system for blast and thermal environments 2−22197
photovoltaic concentrator module for combined heat/electricity generation, construction and testing 2−23472
photovoltaic power system appls. to instrumentation at remote US Army test centres 2−23219
power station wet/dry cooling using NH_3 phase change system, test facility, in USA, safety report 2−27753
power transmission cable development, test laboratories at Kumagaya Works of Dainichi-Nippon Cables Ltd., in Japan *(Japanese)* 2−12248
pressure transmitter calibration, differential 2−22097
real-time performance testing of photovoltaic concentrator modules 2−16844
simulated tests developments 2−22613
solar cell/battery plants for Danish telecommunication systems power supply, test facility 2−23475
solar central receiver test facility, Albuquerque, USA, heliostat characterisation 2−7780
SULTAN−forced flow, high field test facility 2−79
testing station for auxiliary nuclear pumps *(French)* 2−23028
transient voltage overshoots, calc. method by computer, importance to HV test laboratories *(Croatian)* 2−12126
Westinghouse J-loop loss-of-coolant accident test facility 2−3868

testers *see test equipment*

testing
see also automatic testing; computer testing; electron device testing; electronic equipment testing; environmental testing; impulse testing; inspection; integrated circuit testing; life testing; logic testing; machine testing; materials testing; mechanical testing; nondestructive testing; optical testing; production testing; program testing; switchgear testing; transformer testing
13.8 kV bidirectional 1200 A light-fired thyristor switch VAR generator 2−23376
100 kW plus wind turbine generator performance assessment, in USA, state-of-the-art report 2−27846
154 kV and 275 kV gas insulated transmission lines in Japan, design, installation and tests. 2−7544
260 MWe combined cycle power plants burning low-grade fuels, economic comparisons 2−27756
ampacity test of a silicone foam firestop in a cable tray 2−12250
as-built nuclear power plant buildings, dynamic testing, review 2−12353
batteries and cells monitoring, Mn-Zn and Hg-Zn 2−17065
beta radiation standard sources testing, systematic error estimation 2−17227
binary cooling tower process demonstration, test methods and results 2−27748
bridges and automatic potentiometers verification, w.r.t. GOST standard 2−26896
BWR, integral cct. pump constructional features *(German)* 2−3884
BWR, neutron flux distrib. analyser, operational testing *(German)* 2−11842
circuit breakers, LV, automatic, specific energy determining test methodologies *(Italian)* 2−7943
common mode meas. compensation between equipments under test and measuring apparatus, review *(German)* 2−11330
Computer-based data acquisition system for gas-turbine testing 2−3944
convertor testing using Walsh functions 2−6400
data communication equipment, X.25 link-level software testing 2−26299
diagnosability of nonlinear DC circuits 2−8955
diagnosability of nonlinear dynamical circuits 2−8956
DSCS satellite, RF isolation and compatibility, MIL-STD-1541 2−26480
earth leakage testing in high rise buildings 2−27584
effects of constant current/constant voltage charge parameters on lead acid traction cell performance 2−12808
electrical fuse testing, total arcing energy maximisation 2−14357
electronic design automation, conf., London, England (Sept. 1981) 2−18
electronic power supply units for rail vehicles, development tests *(German)* 2−4276
electronic weighing systems, standards and enforcement in Hungary *(Hungarian)* 2−22410
EM damper and ferrite isolated data link for SGMP testing 2−17466
EM flowmeter, calibration and testing without liquid 2−16956
EM flowmeters reference installation 2−16955
EMC for digital equipment, industrial regulatory compliance test team training 2−26002
emergency lighting 2−23739
helicopter rotor blades stresses obs., functional limits on speed and load factor *(French)* 2−12013
high voltage testing transformers 2−27961
hot-gas turbine testing and mech. design 2−3945
instruments, periods between tests optimisation, w.r.t. test quality 2−6980
JAERI heavy ion tandem accelerator 2−11726
JAERI model containment test facility under LOCA simulated conditions, I removal tests 2−7351
laboratory evaluation of a pilot cell battery protection system for photovoltaic applications 2−12811
line receiver hysteresis testing, ramp-sample-hold technique 2−26954
LMFBR steam generator US design 2−7665
magnetic film heads, substrate testing 2−15181
magnetic levitation electromagnets, testing at Vitry, in France *(French)* 2−12997
maximum-demand meters *(Croatian)* 2−27371
MHD test facilities 2−12930
motor starter fault performance test methods 2−23400
noise testing of quiet valves, practical considerations 2−7241

testing continued
nuclear power station concrete press. vessel., 20 MN breaking load tension member development *(German)* 2−7639
nuclear structure facility at Daresbury 2−11692
packet switching, facsimile terminal device of X25 interface *(Japanese)* 2−2478
performance of radio stations, artificial microphone 2−26577
perimeter intrusion alarm system, US regulations 2−16970
power supply measurement techniques using common test equipment 2−7585
power system load behaviour under short cct. faults, field tests 2−12152
power system stabiliser using speed and electrical power inputs, design and field experience 2−3686
pressurised fluidised-bed combustion power plants, ceramic fibre filters for hot gas cleaning, evaluation 2−27747
PWR, bubble detection and level meas. in main coolant ccts. using ultrasonic transducers *(German)* 2−12400
railways, conf., London, England (Nov.1981) 2−8144
residential air conditioning and space heating control test programme 2−17657
satellite earth station sub-system, in India INTELSAT IVA appl. 2−21784
scale exfoliation in boiler superheater and reheater tubes, laboratory test programme 2−12486
seismic detectors, selection guidelines for high-resolution appls. 2−17556
solar central tower test facility 2−12558
solar photovoltaic flywheel storage system 2−8293
spherical high temp. reactor nuclear fuels, large scale expt. *(German)* 2−12396
strategy selection for best return on investment 2−4594
striking mechanisms investigation, Schlieren methods appls. *(French)* 2−17716
surge arresters for HV switchgear, design and testing methods 2−12311
tandem steam turbines 2−27725
techniques, conf. at Dusseldorf, Germany 1980 2−11670
time-of-flight spectrometer using heavy ion pulses 2−11871
tissue-equivalent ionisation chambers, performance tests 2−17276
VHF transponder, EMI design prediction and test results 2−11015
Wald's sequential sampling technique, classification of inspectors by sensory tests 2−24005
wattmeter metrological charact. checking against standard reference steel samples 2−17027
wet/dry cooling tower tests for water conservation 2−23074
SO_2 scrubber, 10 MW capacity, prototype-scale testing results 2−7733

testing apparatus *see test equipment*

testing equipment *see test equipment*

testing machines *see test equipment*

tetrodes
beam tetrode computer simulation, physical process studies 2−24861
modulation problems when using multielectrode valves *(German)* 2−21263
transmitter tetrode, new generation, props. and construction *(German)* 2−9361

text editing
see also word processing
human factors 2−16105
office automation trends *(Japanese)* 2−16006
teletext, pattern transmission systems in Japan, editing equipment *(Japanese)* 2−21514
telex terminal, S100 Message Handling Terminal with text processing facility 2−10802

textile fibres *see fibres*

textile industry
cogeneration demonstration at Riegel Textile Corporation, Greenville, South Carolina, USA 2−23838
electrostatic flocking, pile density increase by adding guiding electrode 2−10437
industrial microwave appls. *(French)* 2−23760
refrigeration plant computed optimisation 2−13103
thread drying using microwave heating process *(French)* 2−28304

theorem proving
No entries

thermal analysis
ethylene-propylene rubber cable insulation, characterisation 2−15078
ethylene-vinylacetate copolymer, C loaded, resist. and positive temp. coeff. of resist., correl. with C black parameters 2−25391
integrated circuit package thermal anal., rectangular parallelepiped finite element model 2−24821
laser annealing, CW, beyond melt temp., thermal analysis 2−25137
microelectronic components fault detect. by thermal charact. anal., IR image convertor appl. *(German)* 2−16848
microscopes, capabilities extension electron and optical, micro computers appl. 2−5525
multilayered PCBs, Integrated Thermal Avionic Design, min. life cycle cost 2−9298
PCB laminates, thermal behaviour, performance rel. to temp. exposure 2−14410
printed circuits having hybrid IC and IC elements *(Hungarian)* 2−19970
standard electronic modules, thermal analysis using superposition method 2−8269
tetrachloromethane, polymorphism, DSC, DTA, and permitt. meas. 2−7194
turbine-generator rotor unbalanced faults computing, heating effects prediction 2−7808
CdTe, solubilities in liquid III metals 2−24962
In-Se system, phase diagram 2−558
InSb, anal. and control of solidification by differential dilatometry 2−559
$LiGaSe_2$ single cryst. growth and characterization 2−8792
$Li_2V_6O_{13}$ cathode material, X-ray diffr. thermal anal. and mag. susceptibility 2−18432
$TlBiSe_2$-PbSe, phase diagram, electrophysical props. 2−5585
V_6O_{13} cathode material, X-ray diffr. thermal anal. and mag. susceptibility 2−18432

thermal blooming
adaptive optics, state-of-the-art report, atm. turbulence and thermal blooming correction 2−15550
adaptive optics for thermal blooming compensation 2−15560
laser CW beam propagation through moving stagnation zone 2−6260
nonlinear distortions correction of light beams by optical system with feedback 2−2010

thermal capacity *see specific heat*

thermal conductivity
see also Lorenz number; thermal conductivity of liquids; thermal conductivity of solids; thermal diffusivity; thermal insulating materials
heat conducting props. to establish cables current-carrying capacity *(Dutch)* 2−27501
LiAl-FeS batteries, thermal properties 2−12816

thermal conductivity measurement
automatic device to determine conductivity of solids *(Russian)* 2−16797
constant temperature thermal conductivity detector using thermistor bridge for process gas chromatographs 2−11442
glass-fibre insulant, apparent thermal conductivity, effect of compression and moisture content 2−19465
line source probe technique, for solids and liquids meas. 2−22427
new transient vertical hot-wire thermal conductivity instrument for fluids utilising a ramp power input 2−7228
optoacoustic IR detector system *(German)* 2−26861
temperature measurement accuracy, conduct. determ. 2−11650
transient hot wire method on electrically conducting liquids 2−22421
Mg-Ni hydrides effective thermal conductivity measurements under conditions of 200°C and 40 atm. press. 2−26982

thermal conductivity of liquids
As-Ge-Se, glasses and melts, thermal and elec. cond. 2−5583

thermal conductivity of solids
dielectric heat conductors characterisation, thermal dielectric quotient 2−9753
frozen ground thermo-physical props. measuring instrument *(Russian)* 2−17551
glass-fibre insulant, apparent thermal conductivity, effect of compression and moisture content 2−19465
II-V compounds, physical and chemical props., and applications 2−14670
Al/Nb-Ti composite supercond., strengthened, fabrication, energy storage appl. 2−9903
As-Ge-Se, glasses and melts, thermal and elec. cond. 2−5583
$Bi_2Te_{2.88}Se_{0.12}$, extruded, elec. props. and struct. 2−20118
GaAs, heat treatment in controlled atmos., role of S, thermal cond. meas. *(French)* 2−1316
Ge-GaAs eutectic alloy, thermo-EMF and thermal cond., temp. depend. thermal quality factor 2−5531
Mg-Ni hydrides effective thermal conductivity measurements under conditions of 200°C and 40 atm. press. 2−26982
Nb_3Ge layer, vapour-deposited on stainless steel tape, thermal cond. 2−15236
Si-Ge:P, thermal cond. change by precip. of dopant 2−25036
n-$Si_{63.5}Ge_{36.5}$, thermal cond. and thermoelec. conversion, phonon-grain boundary scatt. effect 2−20112
$Te_{48}As_{30}Si_{12}Ge_{10}$, chalcogenide glass threshold switching devices, thermal cond., temp. meas. using liquid crystals 2−20222

thermal convection *see convection*

thermal diffusion
No entries

thermal diffusivity
frozen ground thermo-physical props. measuring instrument *(Russian)* 2−17551
gap resist., and contact resist. meas. by modulated heating method 2−7226
measurement method, for liquids at elevated temps. 2−17160

thermal effects in magnetism *see magnetocaloric effects*

thermal expansion
Bragg filters in optical fibres, freq. response meas. by thermal scanning *(French)* 2−15366
electrode materials for high-temp. solid electrolyte fuel cells 2−12835
$Ga_xIn_{1-x}P$-GaAs heterostructures, luminesc., effect of mismatch between lattice consts. and thermal expansion coeffs. 2−6100
optical coupling coefficient measurement method based on thermal expansion 2−20998
superconducting magnet, potted, cooldown strain 2−5975
superconducting magnet materials 2−1667
unsymmetric offset cable study *(Japanese)* 2−17725
Cu, meas. using interferometric dilatometer *(Japanese)* 2−11449
Cu_6Sn_5, thermal expansion coefficient in temperature range −180° C to +200°C 2−13851
$Hg_{1-x}Cd_xTe$, low-temp. thermal expansion 2−5547
InP-InGaAsP heterostructure, electrolum. polarization due to internal strain 2−25605
SiO_2 fused, Heraeus-Amersil type T08E, thermal expansion uniformity 2−15283

thermal expansion measurement
electrical method for thermal expansion meas. of thin films 2−22390
interferometric dilatometer and specimen holders for thermal expansion coeffs. meas. *(Japanese)* 2−11449
laser interferometer for high temperature isothermal length changes over long time periods 2−21000
spherical samples, using strain gauge technique 2−11621

thermal fatigue *see thermal stress cracking*

thermal imaging *see infrared imaging*

thermal insulating materials
see also thermal conductivity
glass-fibre insulant, apparent thermal conductivity, effect of compression and moisture content 2−19465

thermal insulation
glass-fibre insulant, apparent thermal conductivity, effect of compression and moisture content 2−19465
IR building diagnostics, ASTM procedures development 2−3076
R-value meas., NBS development 2−11648
solar flat plate collectors, heat loss, insulation effect 2−23443

thermal noise
classical noise and non-linearity in physical devices, quasi-exact solutions 2−25171
classification of noise phenomena 2−25169
DC-SQUID, meta-stable states, mean lifetimes, I-V characts. of device 2−25464
dielectrics diagnostic method 2−7188
double-injection diodes, thermal noise in semiconductor regime 2−25202
JFET channel thermal noise model using active R-C line approach 2−25269
Josephson junctions, weakly coupled, thermal fluctuations and phase locking 2−9911

thermal noise continued
kinetic component of thermal noise in circuits 2−24348
M-ary QAM detection efficiency for corruption by thermal noise and co-channel interferers 2−6396
MOSFET Nyquist noise, effect of transverse electric field 2−1384
photodiode, p-i-n, characts. and operation *(German)* 2−13980
pyroelectric detector, adiabatic versus isothermal mode of operation rel. to noise behaviour 2−15100
quantum noise effects at 100 GHz in MOM diodes and Josephson functions, meas. and theory 2−24722
resistively-shunted Josephson junction, thermal noise theory in quantum limit, DC SQUID appls. 2−25461
RF transistors, automatic meas. of noise *(French)* 2−14850
SQUID, DC, current noise, thermal activation model 2−20580
SQUID, DC, dynamics, characteristic times, current-voltage characteristics 2−20562
SQUID, DC, near quantum noise limit 2−20581
SQUID signal to noise ratio, limiting characts. 2−1626
SQUIDs, quantum tunnelling and thermal noise 2−25460
subthreshold MOSFETs, noise data and scaling props. 2−25270
superconductive metallic weak links, heating, Johnson noise calc. 2−20603
p-Si p^+-π-p^+ planar devices, hot carrier transport noise, meas., generation-recomb. noise rel. to deep levels 2−25172

thermal properties of substances
see also magnetocaloric effects; specific heat; thermal conductivity; thermal diffusivity; thermal expansion; thermal variables measurement
No entries

thermal quenching *see quenching (thermal)*

thermal radiation *see heat radiation*

thermal resistance
electrode insulation, electrolytic contamination, thermal load, non-uniform field *(German)* 2−5850
power semiconductor devices, temp. rise calc. methods *(Czech)* 2−14814

thermal resistance measurement
bipolar semiconductor components *(Bulgarian)* 2−5730
gap resist., and contact resist. meas. by modulated heating method 2−7226
insulation R-values, NBS development 2−11648
thermal contact resistance used as a hardness tester 2−7229

thermal resistivity *see thermal conductivity*

thermal shock
CrN-Au die attach metallization system 2−14808
Fe, liquid, O_2 sensor for steelmaking 2−11465
Si_3N_4 ceramics, sintering techniques, material props. and appls. 2−614

thermal shock failure *see thermal stress cracking*

thermal spikes *see crystal defects; radiation effects*

thermal stress cracking
steam generators, U-bend tube cracking 2−27758

thermal stresses
see also thermal stress cracking
electrolytic contaminated insulation, thermal stress caused by Joulean dissipation of creepage current *(German)* 2−1516
helicopter rotor blades stresses obs., functional limits on speed and load factor *(French)* 2−12013
microsocket solder joints, anal. of thermal cycle fatigue damage 2−24852
optical fibres, single mode, jacketed, thermal stress effects on group delay 2−5999
porcelain enamelled steel PC boards, finite elements anal. of stresses and thermal flow 2−1041
satellite, OTS-2 orbital thermal-control experience 2−3528
Space Shuttle testing in NASA-Ames wind tunnels, tiles airload tests 2−12000
switchgear contact behaviour against heavy fault currents, math. model *(Russian)* 2−4306
GaAs single crysts., production with low dislocation densities by Czochralski method 2−550
Ge crystals, effect of thermal conditions during growth on stresses 2−548
Ge single crysts., heat transfer effect between cryst. and screen in thermal stresses and dislocation struct. 2−547
Si, defect introduction during prep. and device processing, book contrib. 2−1167
YAP, orthorhombic crystals, lasing process, thermal effects *(Chinese)* 2−15481

thermal variables control
see also temperature control
No entries

thermal variables measurement
see also bolometers; calorimeters; calorimetry; temperature measurement; thermal conductivity measurement; thermocouples; thermometers
differential temp. gauge for boundary-layer transition onset detection miniature, for hypersonic re-entry vehicle 2−22656
direct buried cables rating, soil thermal stability meas. appl. 2−3752
district heating heat energy meas., economic efficiency *(German)* 2−12414
electrical values measurement, applications in process monitoring and construction and installation *(Croatian)* 2−27705
electronic temperature-sensitive transducers ccts. 2−26831
emissivity, determination method for objects at normal temp. 2−17155
energy released by power station, precision norms and techniques 2−17082
Hamburg's hot water district heating system, use of heat meters *(German)* 2−27672
heat capacity of solids (InS), rapid method 2−26984
heat meter, from Landis & Gyr 2−17156
heat meter component correct balancing for correct volume and temperature *(German)* 2−26980
heat meter properties, effects of compulsory calibration *(German)* 2−26981
heat- and hot-water meters calibration and certification *(German)* 2−26979
heating coil radiation coeff. calc. *(Croatian)* 2−17161
microcomputer−coupled measurement systems, thermal variable example *(German)* 2−11357
multichannel data acquisition and processing system for blast and thermal environments 2−22197
optimal parameter estimation, thermal networks *(German)* 2−11651
radiation flow measuring system simulation *(Russian)* 2−3292

thermal variables measurement continued
thermocouples and other electric transducer devices, apparatus for rapid determ. of time constant *(Italian)* 2−7077
ultrasonic transducers in heat meter 2−12107
thermally stimulated capacitor discharge *see thermally stimulated currents*
thermally stimulated currents
copper phthalocyanine binder photoreceptor, trapping levels, TSC study 2−10113
film electret, anal. of thermally stimulated current due to excess charge *(Chinese)* 2−25418
linear temperature programmer for thermally stimulated current meas. 2−26929
measuring apparatus, local centres depth determ. to 0.001 eV 2−3102
MOS structure, with plasma grown SiO_2, charge storage, 270-420K *(Russian)* 2−1244
oil-impregnated biaxially oriented polypropylene-films, TSC, interfacial polarisation 2−9827
PET, thermally stimulated currents, peak current and temp. meas. *(Korean)* 2−25368
polyethylene terephthalate foils, isothermal and TSC 2−5865
PTFE, TSC modelling 2−5866
semiconductors, deep levels, meas. techniques, DLTS, thermally stimulated capacitance, photocapacitance and photocurrent meas. methods *(Japanese)* 2−9391
tetrafluoroethylene-hexafluoropropylene copolymer, ion-injected film electret, TSC spectra 2−1550
Al-PSG (SiO_2)-Si system, interface passivation and distrib. of mobile ion trapping levels *(Chinese)* 2−14701
CdS, ionic processes occurring under combined action of illum. and elec. field 2−20719
GaP diodes, deep recombination centre parameters, TSC study 2−20231
GaP:Cu, TSC trace, estimation of capture cross sections 2−9438
Ge_3N_4-GaAs MIS devices, elec. charcts. and memory behaviour 2−25091
Ge_3N_4-n-GaAs MIS devices, interface charcts. determ. 2−14883
p-$Hg_{1-x}Cd_xTe$, deep levels, narrow-band-gap space-charge spectroscopy 2−1175
InP:Fe, thermally stimulated cond. investigation 2−14644
Si, impurity and defect characterisation techniques, book contrib. 2−1168
a-Si:H, meas., and anal. of current transients, DLTS and TSC obs. 2−25002
SiO_2, thermally stimulated hole currents 2−1247
thermally stimulated depolarisation *see thermally stimulated currents*
thermally stimulated discharge *see thermally stimulated currents*
thermally stimulated ionic currents *see thermally stimulated currents*
thermally stimulated polarisation *see thermally stimulated currents*
thermally stimulated relaxation currents *see thermally stimulated currents*
thermionic cathodes
activation in ultrahigh vacuum AES-residual gas analysis 2−1095
dispenser cathodes, scanning Auger and work-function meas. 2−1090
emission carbonate crystallite and oxide cathode performance in electron tubes 2−1099
impregnated cathodes of various types, performance and life tests 2−1087
MIM cathode, modelling of electron emission 2−9358
oxide coated, evaporation phenomena, obs. using AES-based vapour collect method 2−1091
oxide-type cathodes, poisoning and reactivation processes in polycrystalline mixed oxides 2−1093
planar thermionic diodes with patchy cathodes, I-V characteristics 2−24858
turn-off of shelf-stored cathodes, work function and gas desorption studies 2−1092
Ar hot cathode discharges, LF longitudinal waves 2−14548
Ar hot cathode discharges, LF longitudinal waves, hydrodynamical model 2−14549
BaO on Ir, orientation depend. of work function 2−1088
BaO single cryst. films, poisoning and reactivation processes in oxide-type cathodes 2−1094
BaO:CaO:Al_2O_3 impregnated cathodes, Auger spectroscopy and emission microscopy 2−5503
Ir-Y_2O_3, long life, high brightness cathode for electron microscopes *(Chinese)* 2−20013
LaB_6 (100) single cryst. surface, O_2 interaction and oxides thermal desorption 2−1097
Os-W alloys for improved M-type cathodes 2−1086
W dispenser cathode, impregnated, electron spectroscopic investig. 2−1089
Y_2O_3-Ir, long life, high brightness cathode for electron microscopes *(Chinese)* 2−20013
thermionic conversion
arc mode converters, positive pot. jump at collector 2−12935
CVD silicon carbide convertor charcts. 2−12942
direct conversion of nuclear energy to electrical energy *(Czech)* 2−8017
fuel cells, spacers heat cond. effect on I-V characteristics and temp. fields 2−7984
gas turbines thermionic combustor 2−12512
interplanetary Mars-Earth-Venus shuttle, flight charcts. with solar powered thermionic generator 2−17531
radiatively coupled thermionic power system/ concept 2−4380
series-parallel connected convertor array 2−12941
thermionic application for future Air Force space power systems 2−12943
thermionic combustor application to combined gas and steam turbine power plants 2−12506
thermionic emission and surface composition of the Y-B system 2−18616
thermionic electron emission
see also Schottky effect; thermionic cathodes
beam tetrode computer simulation, physical process studies 2−24861
emission carbonate crystallite and oxide cathode performance in electron tubes 2−1099
MIM cathode, modelling of electron emission 2−9358
planar thermionic diodes with patchy cathodes, I-V characteristics 2−24858
Schottky diode, ion implantation effect on current transport 2−5727
BaO:CaO:Al_2O_3 impregnated cathodes, Auger spectroscopy and emission microscopy 2−5503
Cs/W-Re electron emitter, pulsed laser driven 2−1098
GaAs-Si_3N_4 interface, trap studies 2−14715
n-$In_{0.53}Ga_{0.47}As$/n-InP heterobarrier diodes charcts. 2−10148
LaB_6, hemispherical single cryst., thermionic emission pattern 2−9353
thermionic electron emission continued
Mo, thermionic neutral emission from surface studied by elec. field distrib. meas. 2−1106
Pt filament in hydrocarbon flow, thermionic emission at low press. 2−5504
Si, carrier recombination at grain boundaries 2−1154
Si, hot electron emission under pulsed laser excitation 2−24860
W surfaces (111) and (112), thermionic neutral emission from surface studied by elec. field distrib. meas. 2−1106
thermionic emission
see also thermionic electron emission; thermionic ion emission
Al-GaAs Schottky diode, effect of annealing on Richardson constant 2−14835
thermionic generators *see thermionic conversion*
thermionic ion emission
No entries
thermionic power generation *see thermionic conversion*
thermionic tubes
see also cathode-ray tubes; electron-wave tubes; gas-discharge tubes; rectifier tubes; vacuum tubes
planar thermionic diodes with patchy cathodes, I-V characteristics 2−24858
thermionic valves *see thermionic tubes*
thermistors
ambient temperature monitoring using microcomputer and thermistor transducers 2−16794
biomedical thermistor sensor for analogue control by breath flow 2−11963
constant temperature thermal conductivity detector using thermistor bridge for process gas chromatographs 2−11442
electronic thermometer, construction and calibration *(Spanish)* 2−11453
flow meas. over helicopter rotor blades, using boundary layer transducer 2−12006
flow measurement, tissue perfusion, flow in porous media, CMOS microprocessor based system 2−11378
multi-functional temp. sensors, appls. and future developments 2−7081
NTC thermistors, design nomographs 2−5372
positive temperature coefficient thermistors, using conductive polyme rs overcurrent protection appl. 2−24738
pulsed thermistor technique for measuring very low liquid flow rates 2−11666
relative humidity monitoring using microcomputer and thermistor transducers 2−16794
resistance-voltage convertor using stable current generator 2−16953
self-heated element solid-state flowmeter, with temp. effect compensation 2−26841
semiconductor resistance thermometer, 0.02 to 300K 2−11455
temperature measurement synthesis, review *(French)* 2−17153
temperature-to-frequency convertor, linear, using thermistor-astable multivibrator 2−16934
theory, characteristic parameters and appls. *(German)* 2−9244
thermoanemometer sensor for low flow speed meas., using Si crystal whisker 2−16949
Thermometrics thermistors evaluation for use at cryogenic temp. 2−955
Fe wires, barretter effect 2−14312
thermo-optical effects
cholesteric liquid crysts., electro-optical and thermo-optical appls. 2−11560
fibre-optic flexible elements, resist. to mech. stimuli, ambient environment influence 2−10026
laser crystal rod of anisotropic thermal cond., thermo-optic props. *(Chinese)* 2−6193
laser resonator parameters, mirror thermal deform. influence *(Chinese)* 2−10307
$LiNbO_3$ crystals for light deflection and switching 2−10053
optical fibre temperature sensitivity minimisation 2−1690
plates, elastic and viscoelastic, thermal lens form. due to laser nonuniform heating 2−25851
smectic liquid crysts., electro-optical and thermo-optical appls. 2−11560
YAP, orthorhombic crystals, lasing process, thermal effects *(Chinese)* 2−15481
$YAlO_3$ anisotropic laser crystal rod, thermo-optic props. *(Chinese)* 2−6193
thermochemical energy conversion *see chemical energy conversion*
thermochemistry
No entries
thermoclines *see temperature distribution*
thermocouples
see also thermopiles
block-braked monobloc wheel temp. meas. by jacket thermocouples *(German)* 2−11649
convertors made from artificial-anisotropy thermocouple, energy characteristic optimisation 2−12937
digital devices for measuring temperatures *(Russian)* 2−22420
natural gas flames, temp. meas. by multielement thermocouple 2−22422
reference junction temp. uniformity maintenance in multijunction oven 2−4468
resistance thermometer, graft type, for accurate meas. of melting pt. *(Japanese)* 2−11652
semiconductor, temp. control of FTIROS film optical modulator 2−20706
steam turbine channel 2−27731
steam turbine flow section, temp. meas. 2−27729
steam turbine i.p. cylinder temp. meas. 2−27730
suction pyrometer, design and operation improvements 2−7084
temperature control devices for extracorporeal blood circulation apparatus 2−17398
temperature measurement synthesis, review *(French)* 2−17153
thermal conductivity determination, temp. meas. accuracy, thermocouple comparison 2−11650
time constant of high precision thermocouples and other electric transducer devices, apparatus for rapid determ. *(Italian)* 2−7077
troubleshooting techniques, event logs and resistance plots 2−16925
type K, replacement with nicrosil-nisil thermocouples 2−7227
uniformity improvement of thermoelectric props., using Chromel, Alumel and Copel wires 2−16959
AuFe-NbTi millikelvin temperature thermocouple thermometer 2−22256
Fe-CuNi sheathed, reference standard for calibrating industrial thermocouples *(German)* 2−11438

thermocouples continued
Ge-Cu thermocouple, thermoelectric conversion *(French)* 2−28133
Si thermopile IR detector, batch fabricated 2−22271

thermodiffusion *see thermal diffusion*

thermodynamic cooling *see cooling*

thermodynamic equations of state *see equations of state*

thermoelectrets
PET, thermally stimulated currents, peak current and temp. meas. *(Korean)* 2−25368

thermoelectric conversion
see also thermoelectric devices
advanced high temperature thermoelectrics for space power 2−12944
anisotropic thermoelement, temp. distrib. in mag. field, energy charact. optimisation 2−12936
effects of environmental temperature fluctuations on the parameters of a thermoelectric battery 2−19276
modular isotopic thermoelectric generator 2−18621
module for space reactor 2−17918
nuclear electric power for space systems, technology and flight systems program, review 2−17882
radioisotope thermoelectric generator convertor, engineering development testing 2−18620
selected rare earth studies in thermoelectric applications 2−12945
solar, design, regime charact., and comparison of calculated and experimental data 2−8016
solar line-focus collector, analytical dynamic modelling, control appl. 2−23441
solar powered thermoelectric generator, efficiency 2−18614
solar thermoelectric generators, Bi_2Te_3 alloys production for use as thermoelements 2−8019
thermoelectric refrigerator powered by photovoltaic solar collectors 2−18786
thermoelement with internal heat evolution, shape effects 2−28134
Voyager spacecraft electrical power system, flight performance 2−17523
β''-Al_2O_3-Na_2O electrolyte-based thermoelec. conversion, Na heat engine 2−18618
Ge-Cu thermocouple, thermoelectric conversion *(French)* 2−28133
Si p-i-n diode thermophotovoltaic cells recent developments in theory, fabrication and testing, high conversion efficiency design 2−18524
Si-Ge thermoelectric generators, long term behaviour 2−18619

thermoelectric devices
see also thermocouples; thermoelectric conversion; thermopiles
anisotropic thermoelements, temp. independent transport coeffs., maximum cooling condition 2−20056
anisotropic thermoelements, temp. independent transport coeffs., efficiency and performance in absence of mag. field 2−24912
convertors made from artificial-anisotropy thermocouple, energy characteristic optimisation 2−12937
coolers, two-cascade, temp. and heat treatment effect on parameters *(Russian)* 2−4661
temperature meas. using potentiometer, testing errors determ. 2−17158
thermometer probes, dynamic characteristic correction *(Polish)* 2−11451
Pt-Rh thermometer, temp. unit working standard appl. 2−26983

thermoelectric effect *see thermoelectricity*

thermoelectric effects in metals and alloys
No entries

thermoelectric effects in semiconductors and insulators
anisotropic thermoelements, temp. independent transport coeffs., maximum cooling condition 2−20056
anisotropic thermoelements, temp. independent transport coeffs., efficiency and performance in absence of mag. field 2−24912
II-V compounds, physical and chemical props., and applications 2−14670
p-n junction, hot carrier thermo-EMF under strong forward bias condition- s 2−5619
polyacetylene, elec. transport, mag. and struct. props., review 2−25039
semiconductor film, surface space charge layer 2−1144
semiconductors, compensated, localised charge carriers, particle statistics and transport 2−9390
thermoelectric EMF of battery grade manganese dioxide 2−23405
$AgSbTe_2$, thermoelec. hole spectrum model of transport props. 2−14667
As-Se, liquid, elec. and thermoelec. props. 2−9467
As-Se, liquid, elec. cond., thermoelec. power and semicond.-metal transition 2−14669
As_2S_3 glasses, elect. props. 2−9448
As_2Te_3-InSe, physicochemical analysis 2−5586
α-B, rhomobohedral, elec. cond., thermoelec. power and Hall coeff. 2−24926
$Bi_2Te_{2.88}Se_{0.12}$, extruded, elec. props. and struct. 2−20118
Cd_3As_2, amorphous films, elec. transport props. 2−20105
$CuTlSe_2$, liquid, elec. cond. and thermoelec. power 2−9464
$FeCr_{2-x}In_xS_4$, electrical props. 100 to 650K *(Russian)* 2−5587
GaP, lanthanide doping influence on elec. and photolum. props., LED material 2−24965
Ge p-n junction, hot carrier thermo-EMF under strong forward bias conditions 2−5619
n-Ge, uniaxially deformed, drag thermoelectric powers in quantising mag. field 2−1165
Ge-GaAs eutectic alloy, thermo-EMF and thermal cond., temp. depend. thermal quality factor 2−5531
Ge-Se, glass, doped, elec. transport props. 2−25005
Ge-Te, glass, doped, elec. transport props. 2−25005
GeTe, thermoelec. hole spectrum model of transport props. 2−14667
MnTe, thermoelec. hole spectrum model of transport props. 2−14667
$(PbSe)_{1-x}(SnTe)_x$:In solid soln., elec. props. 2−5595
n-PbTe films thermal treatment in air, effects on thermopower and electrical conductivity 2−9463
$(Se_{0.5}Te_{0.5})_{1-x}M_x$ (M=Cu,Tl,Ag,Na) liquid semiconductor, elec. cond., thermopower and mag. susceptibility 2−20114
Si, amorphous, electrical cond. and thermoelec. power 2−25017
Si:H, amorphous, RF sputtered, transport props. 2−1204
Si:H, Li amorphous film, DC glow discharge deposited, photovoltaic effect 2−25571
n-$Si_{63.5}Ge_{36.5}$, thermal cond. and thermoelec. conversion, phonon-grain boundary scatt. effect 2−20112
p-Te film, evaporated, thermoelec. power 2−5542
$TlBiSe_2$-PbSe, phase diagram, electrophysical props. 2−5585
V_2O_5-TeO_2 semiconducting glass, elec. cond., thermopower and optical absorpt. 2−25012

thermoelectric effects in semiconductors and insulators continued
β-ZnP_2, monoclinic, anisotropy of electroconductivity and thermoelectromotive force 2−14671
p-ZnSb, carrier kinetics in mixed scatt. region, cond., thermoelec. power, and Hall effect tensors 2−9475

thermoelectric generators *see thermoelectric conversion*

thermoelectricity
see also Peltier effect; Seebeck effect; thermocouples; thermoelectrets; thermoelectric effects in metals and alloys; thermoelectric effects in semiconductors and insulators; thermomagnetic effects; thermopiles; Thomson effect
high-resistance materials, apparatus for meas. thermoelec. power and elec. cond. 2−11569
Ge MM-wave detector using hot carriers, performance 2−19887

thermography *see infrared imaging*

thermogravimetry *see thermal analysis*

thermoluminescence
fibre optics, gamma irradiated, thermolum. obs. 2−6026
pyroelectric luminescence 2−6098
$BaSO_4$(Eu) thermoluminophor fabrication and charact., thermoluminescent dosimeters appl. 2−11813
(Ca,Sr)S:Cu phosphor, luminescence centres and charge compensation 2−10134
CaS phosphors, doped, luminescence centres and charge compensation 2−10134
CaS:Ag phosphors, luminesc. kinetics, phosphoresc. decay, thermoluminesc., and electrolum. meas. 2−10130
CaS:B, thermolum. phosphor, phys. parameters, operation importance 2−15400
NaCl:Sr, pretreated, effect of activator content on thermolum. 2−10135
SrS:Cu phosphors, luminescence centres and charge compensation 2−10134
(Zn,Cd)S:Ag,Cl DC electrolum. powder cell, donor-acceptor recombination luminesc. 2−25614
ZnS:Ce, Cu(Ag), phosphoresence decay and thermolum. study 2−10133
ZnS:Gd (Cu,Gd)(Mn,Gd), electroluminescent, optical props. 2−20735
$ZnSiO_4$:Mn^{2+}(Mn^{2+},As), phosphorescence, electron traps effect 2−25611
Zn_2SiO_4:Mn phosphors, electron trapping and luminesc. mechanisms, tunnelling model 2−1795

thermoluminescent dosimeters
artificial and natural doses in environmental radiation, method of distinguishing by TLD *(Japanese)* 2−7353
contacting degree between element and heater, influence on thermolum. meas. *(Japanese)* 2−7358
Harshaw Model 2000D TL analyser system adapter 2−11973
neutron dosing gauge based on albedo dosimetric method *(Croatian)* 2−27220
neutron sensitivity calc. 2−27212
Panasonic dosimeters, projected response to submersion in and distant exposure by ^{133}Xe 2−7350
phosphors, use as microwave radiation dosimeters 2−22490
supralinearity and LET dependence 2−11976
AlP glass thermoluminescent dosimeters, dose response range *(Czech)* 2−27056
$BaSO_4$(Eu) thermoluminophor fabrication and charact. 2−11813
$CaSO_4$:Dy dosimeters, effects of different climatic conditions in performance 2−17436
LiF powder dosimeter, deexcitation meas. instrument 2−11812
LiF TLD, relative thermoluminescent response of 4 keV X-rays to ^{60}Co γ-rays 2−11972
LiF TLD-100, appl. of cavity theories to high-energy response 2−17439
^7LiF TLD for protons with non-monoenergetic energy distrib., light conversion efficiencies 2−11974

thermomagnetic effects
anisotropic thermoelement, temp. distrib. in mag. field, energy charact. optimisation 2−12936
$Cd_xHg_{1-x}Te$, photothermomagnetic effect in mm and submm ranges 2−6091
GaSb, electron transport and conduction band struct. 2−24963
GaSb:Te and GaSb:Te,Zn, charge transport charact., 80 to 700K 2−20080
$(PbSe)_{1-x}(SnTe)_x$:In solid soln., elec. props. 2−5595
$Pb_{1-x}Sn_xTe$ ($0 \leq x \leq 1$) films, photothermomagnetic effect 2−1214
$Pb_{1-x}Sn_xTe$, thermoelectric effect in moderate and quantising mag. field, 4.2 to 77K 2−14668

thermomagnetic recording
amorphous magnetic film erasable optical disc memory with laser diode 2−11252
noncompact printing using thermomagnetic effects 2−15671
Dy-Fe/Gd-Fe double layer film, amorphous, thermomag. writing 2−15149
Gd-Fe/Tb-Fe double layer film, amorphous, thermomag. writing 2−15149

thermomagnetic treatment
see also magnetic annealing; magnetocaloric effects
Fe-Cr-Co-Si (27, 17.5, 1 wt.%), mag. and struct. transitions, mag. props. 2−15211

thermometers
see also pyrometers; resistance thermometers; temperature measurement; thermocouples; thermopiles
biomedical, Z 2−22525
digital contact thermometers, technology, charact. *(French)* 2−22419
digital devices for measuring temperatures *(Russian)* 2−22420
distant-reading thermometer for home construction, cct. diagram and calibration 2−3610
electronic thermometer, construction and calibration *(Spanish)* 2−11453
electronic thermometer with digital display, 1N4002 diode sensor 2−3115
fibre-optic instrument 2−10037
ion thermometers in reactor technology 2−11655
Josephson junction noise thermometer, elec. impedance, math. model 2−25450
Josephson junction noise thermometer, impedance modelling 2−9940
maximum and minimum thermometer with measurement memory *(German)* 2−22304
microprocessor-based thermometers for cryogenic temp. meas. *(Russian)* 2−11654
photoluminescent thermometer based on Eu activated CaS phosphor, medical appl. 2−22423
piezoelectric frequency, meas. error analysis 2−16952

thermometers continued
portable digital thermometer using transistor sensor and A/D convertor *(Italian)* 2−7075
RF hyperthermia for cancer therapy, non-perturbed and non-perturbing thermometer 2−27200
superconductive thermometric fixed point device, SRM 767 *(Japanese)* 2−1627
superconductive thermometric fixed point device, SRM 768 *(Japanese)* 2−1628
telethermometer, for remote meas. of human skin temp. 2−22530
temperature measurement synthesis, review *(French)* 2−17153
temperature probe using LM335 IC, 0-1 V voltmeter 2−3291
AuFe-NbTi millikelvin temperature thermocouple thermometer 2−22256
Ge diode, low temp. thermometric characteristics, 20 to 300K 2−5722
Si diode, low temp. thermometric characteristics, 20 to 300K 2−5722

thermometric conductivity *see thermal diffusivity*

thermonuclear devices *see plasma devices*

thermooptical effects *see thermo-optical effects*

thermopiles
output chopping at very low frequencies, comparison with DC mode *(Japanese)* 2−7103
semiconductor thermopiles for bulk-absorpt. laser calorimeter, laser pulse energy meas. *(Chinese)* 2−17077
Si thermopile IR detector, batch fabricated 2−22271

thermostats
see also cryostats; temperature control; thermistors
dilution refrigerator, automated temp. control and data acquisition system 2−11395
microprocessor-based residential heating controller 2−4476
quartz thermostatic pilot, employing crystal oscillator *(French)* 2−26892
room temp. control and radiator thermostat perf. *(German)* 2−23771

theta pinch *see pinch effect*

thick film capacitors
ceramic chip capacitor, bottom terminated, low inductance, decoupling appls., package design 2−1060
screening and heat treatment of resistors and capacitors *(German)* 2−24834

thick film circuits
application in information systems *(Italian)* 2−1057
automobile electronics, reliability considerations of flip-chip 2−24839
automobile electronics, thick film technology appl. *(Italian)* 2−5478
ceramic chip carriers, Military Standard environmental testing 2−5797
chip carriers mounted on large thick film multilayer boards 2−1077
choice between thin and thick film technology *(German)* 2−14529
diverse substrates, thick film technology *(Italian)* 2−5484
fabrication by electrostatic deposition 2−14533
GANG bonding, process and accelerated aging test for gold-plated tape automated bonding outer leads 2−1079
high-reliability active chips micropackaging techniques for space electronics components 2−1080
hybrid, economics 2−24848
hybrid circuits manufacture at RIFA 2−24837
hybrid circuits with interactive system, layout protection *(Italian)* 2−1059
hybrid IC amplifier for press. transducer using low TCR resistor pastes 2−20000
hybrid IC technology, thick conductive film form, by firing in air, use of base metals, appls. 2−19999
hybrid IC technology, using thin/thick films 2−5480
hybrid IC thick film component technology, book 2−13
hybrid ICs, substrate carrier system development 2−1074
hybrid ICs 2−20001
hybrid ICs using thick-film and thin-film technology 2−5494
hybrid industry, paste manufacturer's view 2−24849
hybrid microelectronics instruction course at Alfred State College, NY, USA 2−9336
hybrid microelectronics laboratory at Virginia Polytech. Inst., industrially-sponsored program 2−9335
hybrid monitor receiver for low band FM VHF 2−24838
hybrid thick film technology, appls. *(German)* 2−20005
hybrid thick-film technology 2−14531
hybrid/thickfilm construction, advantages over conventional PCB for SSR and I/O convertors 2−9333
hybrids, solder attachment of leaded components 2−24851
ink formulation and manufacture considerations 2−24831
insulated metal substrate technology, for electroless Ni resistors 2−24735
JFET thick film hybrid IC for severe temp. and radiation environments 2−9337
JFET thick film hybrids ICs, extreme radiation tolerance 2−24846
laser trimming process optimization for speed rel. to power and freq. 2−14534
MCs, low-loss strip resonators in L- and X-band, Du Pont/USA/Cu composition appl. 2−19997
microelectronics, conf., Tokyo, Japan (May 1980) 2−5
microelectronics interconnection overview 2−14371
microwave components, nonreciprocal, fabrication using thick film ferrimagnetic pastes 2−937
pacemakers, thick film technology appl. *(Italian)* 2−1058
passive networks and hybrid ICs for telecommunication equipment 2−1054
pastes, electronic component materials manufactured in Polish Electronic Materials Research and Production Centre *(Polish)* 2−1524
polymer thick-film technology, circuit board fabrication 2−24836
porcelain-coated-steel electronic substrates, composition and props. 2−5487
porcelainized-steel-substrate hybrid cct. module, design, construction and evaluation 2−5496
RC active filters for hybrid thick film implementation, design and evaluation 2−828
RCA porcelain coated coated steel substrates for thick film hybrid ccts., optimisation 2−5488
RCA porcelain-coated steel substrates, characterisation of thick-film compositions 2−5489
RCA porcelain-coated steel substrates, fabrication of large-area thick-film hybrid ccts. 2−5490
resistor networks, using metal glaze resistive material 2−5486
resistor pastes, testing of Du Pont 1400 and 1600 series rel. to cost reduction *(Polish)* 2−1067
RF amplifiers, using thick film hybrid ICs 2−9002

thick film circuits continued
screening and heat treatment of resistors and capacitors *(German)* 2−24834
soft-soldering problems, anal. at academic research laboratory 2−14447
state of the art and development trends *(German)* 2−14528
technology, present state and future development 2−19996
temperature compensation cct. for semiconductor strain gauges used in press. transducers 2−22229
ultrasonic Al wire bonding, to thick film Cu compositions 2−20011
ultrasonic Al wire bonding to thick film Cu conductors 2−9342
Ag coated glass spheres for thick film electronic circuits 2−13849
Ag containing thick film conductors, low cost, advances 2−24832
Au conductor pastes for high density ccts. 2−24830
Cu materials system for thick film ccts., status report 2−19993
Cu thick film circuits, surface treatment and bondability 2−24835
Cu thick film microcircuits, environmental effects 2−1063

thick film devices
CVD, microelectronics processing appls. 2−13845
hybrid IC technology, thick film capacitor materials of powder-glass binary system, dielec. props. 2−20004
isolation amplifiers with thick film transformers *(German)* 2−19552
last line visible thermal head, selective glaze 2−5482
MIC down convertor for 2150 MHz TV signal using thick film technology 2−6894
sensors of temp. and humidity, Du Pont compositions appl. 2−24833
telecommunication appls. *(Italian)* 2−5483
CdS/CdTe solar cells, screen printed, technology developments *(Japanese)* 2−4351
Nb_2O_5-based thick film functional devices, non-volatile memory 2−1056

thick film resistors
air-abrasive trimming influence on current noise 2−24728
air-firing base metal resistor and conductor system for low-cost thick film cct. manufacture 2−1055
carbon-resin printed resistors in damp heat environment, reliability evaluation *(Japanese)* 2−5366
ceramic-coated steel substrates for thick film technology 2−1061
chip resistors, design and characts. 2−5368
composite resistors design using arc plasma spraying for thick films preparation 2−1064
EMCA 5500 series, rel. between current noise and conductivity 2−9330
hybrid industry, paste manufacturer's view 2−24849
laser trimming, high speed, effect on accuracy and stability of resistors 2−19995
laser trimming principles, techniques and recommendations 2−24727
metal glaze resistive material used for resistor networks, chip resistors and trimmer potentiometers 2−5486
multilayer, processing considerations 2−24731
polymer thick film resistors, elec. characts., phenomenological explanation 2−1066
polymer thick film resistors, electrical characts., expt. results 2−1065
polymer thick film resistors using C-black, percentage var. of resist. 2−24729
screening and heat treatment of resistors and capacitors *(German)* 2−24834
segregated system of metallic and insulating materials, percolation model, thick film resistors 2−14532
strain gauges, characterization on enamel steel 2−11429
CdO, screen printed 2−1062
CdO-(PbO-CdO-BaO-B_2O_3 glass) thick film resistors, X-ray and microscopic investigations 2−5485
Ni-P alloy resistors, formed on insulated metal substrate technology 2−24735
$Pb_3Rh_7O_{15}$ thick film resistor, cond. mech. and 1/f noise 2−958
$Pb_2Ru_2O_7$ thick film resistor, cond. mech. and 1/f noise 2−958
Ru-based, thick film resistors, reliability evaluation, third harmonic index meas. 2−19994
Ru-based resistor system, effect of IR firing on performance characteristics 2−9328
RuO_2-(PbO-CdO-BaO-B_2O_3 glass) thick film resistors, X-ray and microscopic investigations 2−5485

thick films
screen printer setup for precision thickness control, novel approach 2−9329
solar cell front metallisation using thick film inks, processing parameters effects 2−12881
αAg_2Se, oriented thick films, Fermi level position, Hall effect 2−25043

thickness control
conveyor belt laminated material, automatic monitoring system *(Russian)* 2−26995
screen printer setup for precision thickness control, novel approach 2−9329

thickness measurement
alpha particle thickness gauge by air equivalent method *(Chinese)* 2−22386
antireflection coating layers, wide-band, photometric optical thickness monitoring 2−10103
coating thickness gauging method using X-ray fluorescence 2−8862
coatings, nonuniform, inspection with integral thickness gauge 2−11615
contactless method using radiation, for precious metal coatings and solder on joints *(Italian)* 2−7205
crystal plate thickness determination in lapping operation 2−22394
dielectric coating on inner surface of pipe, DK-1 composite quality inspection unit 2−5045
digital thickness gauge construction with automatic selection and measurement range switching 2−3058
grinding mill trunnion bearings, protective instrumentation 2−26957
heat-treated layer, nondestructive thickness determ. *(French)* 2−19477
hot-strip mills, steel plate profile meas. using X-ray thickness gauge 2−26750
line width measurement model using IC *(Slovak)* 2−11613
liquid thin film thickness meas., in two-phase flow, nuclear reactor appl. 2−22396
metallic coatings, meas. techniques *(German)* 2−22389
microspectrophotometer, IR, computerised, for meas. of multiple film thicknesses, dopant conc. and impurity levels 2−17150
miniature wideband US pulse-echo thickness gauge type UT-50 MTs 2−13898
nonferrous metals, eddy current testing standards 2−8926
nuclear thickness gauges for rolling mills, digital electronics appl. *(German)* 2−17320

thickness measurement continued
PCB manufacture, Au electroplating process, cost reduction programme, thickness meas., scrap handling and reclaim 2−14453
PCBs, coating thickness meas. 2−14403
photoresist film, optical microscopy and interferometry appl. 2−24826
printed wiring board, nondestructive through-hole Cu thickness meas., probe design, 4-point microresist. t- echnique 2−5426
Tencor Instruments Sigmascan, surface and film thickness profiler for hybrid IC production 2−11622
transparent film thickness measurement, nondestructive method 2−7207
US meas. of hot walls, steel roducts meas. appl. *(German)* 2−17129
US thickness gauge for low-carbon steel element meas. 2−22393
Au plating thickness testing, combined microsectioning, β backscatter SEM method 2−14337
Si polycrystalline wafer, bulk resistivity determ. by meas. of microwave reflectance modulation and wafer thickness 2−22352

thin film capacitors
AC losses at low temp. 2−14315
Bell System telecommunication circuits, thin film technology appl. 2−1052
SSB 10.7 MHz IF crystal filter for CB transceivers using integrated capacitor cct. 2−5868
Al-SnO_2-Al, thin film capacitors, dielectric loss and constant 2−14314
Ta-N and Ta-Al-N sputtered films, fabrication and elec. props., R-C component appl. 2−24829

thin film circuits
A/D and D/A convertors, layout, power supplies, loading, grounding 2−24564
active thin film RC filters, CAD *(Hungarian)* 2−24596
band-pass filter, uniform, three-layer 2−19765
ceramic chip carriers, Military Standard environmental testing 2−5797
choice between thin and thick film technology *(German)* 2−14529
diffusion barriers in layered contact structures 2−5707
film driver using thin film IC technology, functional laser trimming 2−1053
hybrid, throughplatings testing and reliability *(German)* 2−9334
hybrid IC technology, using thin/thick films 2−5480
hybrid ICs using thick-film and thin-film technology 2−5494
hybrid microwave thin film circuits, Ti-Pt-Au metallisation bondability problems 2−24845
metallisation processes on ceramic substrates for MIC appls. 2−5493
microelectronics, conf., Tokyo, Japan (May 1980) 2−5
microwave circuits in TO-8 housing *(German)* 2−14302
multilayer distributed parameter high-pass filter 2−24587
nonimpact printing, high density conductive addressing circuits fabrication 2−19991
photoresist film thickness meas., optical microscopy and interferometry appl. 2−24826
PIC resistors, controlling shape to control associated capacitance effects 2−19898
plasmatron high-rate sputtering methods and appls. in microelectronics, hybrid microelectronics and electronics 2−19450
plasmatron sputtered system for hybrid circuits 2−14530
state of the art and development trends *(German)* 2−14528
thermal compression bonding of Au leads on thin film circuits, Au surface anomalies 2−5481
thin film ICs to ceramic chip carriers using solder post attachment 2−24850

thin film devices
see also magnetic thin film devices
chalcogenide thin films, switching transient state charcts. anal. based on space charge overlapping model 2−9452
cochlear prosthesis thin-film multielectrode arrays 2−22570
dye laser, thin film optical waveguiding evanescent, with corner reflecting resonator 2−1916
electroluminescent cells, AC thin film, rare earth complex dopants 2−6112
electroluminescent devices, AC thin film, modelling 2−6113
electroluminescent devices, appl. 2−7162
electroluminescent displays, thin film 2−26908
inorganic formation identification and optimisation 2−19992
performance limit of compound semiconductor solar cells*/ (Japanese)* 2−4359
CdZnS-Cu_2S thin film solar cells, 10% conversion efficiency 2−20088
$CuInSe_2$-CdS thin film solar cells, development 2−23548
Cu_2S-ZnCdS thin film solar cells, cross diffusion of Cd and Zn 2−23545
Nb-Pb thin film Josephson jucntions, AES, XPS investigation 2−9914
Pb thin film microbridge Josephson device, response under microwave and MM wave radiations 2−20598
$PbTiO_3$ ferroelectric thin film, prep. by sputtering and laser annealing, device appls. 2−1509
SF_6 insulated equipment fault sensors 2−18396
Si, metallurgical grade, substrate for epitaxial thin film solar cells, by heat exchanger method 2−23643
Si sheet, ion implanted thin film solar cells 2−23515
Si solar cells, thin-film, polycrst., comparison between MIS and p-n junction cells 2−23624
ZnS:Mn AC thin film electroluminescent devices 2−26915
ZnS:Mn electroluminescent faceplate, for CRT display 2−26913
ZnS:Mn thin-film electrolum. devices, memory 2−6111
ZnS:Mn(TbF_3) AC thin film device, electrolum. mechanism 2−25633

thin film resistors
Bell System telecommunication circuits, thin film technology appl. 2−1052
chip resistors, design and charcts. 2−5368
electronic components reliability prediction through small ohmic nonlinearities measurement 2−129
epoxy encapsulation of thin film resistors 2−5479
PIC resistors, controlling shape to control associated capacitance effects 2−19898
CrSiO cermet resistors, on ceramic substrates 2−24828
Ni resistors, electroless-plated on insulated metal substrate technology for power hybrid ICs 2−1073
Ni-Cr, technology and its appls. 2−24730
Si resin coating, corrosion-resisting topseal 2−9327
Si-Cr sputtered films, comp. control to control temp. coeff. of resist. 2−24321
Ta-N and Ta-Al-N sputtered films, fabrication and elec. props., R-C component appl. 2−24829
Ta_2N thin film resistors, using laser-machining techniques 2−24827

thin film transistors
flat panel displays, thin film transistor appl. 2−26920
polycrystalline, effect of grain boundaries on transport mechanism 2−14881
CdSe thin film transistors, fabrication and characteristics *(Korean)* 2−14873
CdSe-Al_2O_3 interface states, field effect spectroscopy 2−1243
CdSe-SiO_2 interface states, field effect spectroscopy 2−1243
InP, deposition of SiO_2 and Si_3N_4 films by plasma enhanced CVD 2−19449
InSb, polycrystalline, effect of grain boundaries on transport mechanism 2−14881
Si, amorphous, FET, application in integrated circuits 2−5805

thin film triodes *see thin film transistors*

thin films
see also coatings; dielectric thin films; epitaxial layers; insulating thin films; magnetic thin films; metallic thin films; semiconductor thin films; semimetallic thin films; sputtered coatings; substrates; vapour deposited coatings
electrical method for thermal expansion meas. of thin films 2−22390
intrinsic stress in thin film on piezoelec. substrate 2−9833
organic materials, development for electronic and electrical appls. *(Japanese)* 2−9825
step coverage during thin film deposition 2−8830
thin current conducting method of monitoring 2−7185
CuO film, exoelectron emission 2−5506
NiO film, exoelectron emission 2−5506
TiN film, oxidation kinetics in dry O_2 2−15011
WSi_x-Si:P annealing behaviour, effect on MOSFET IC device fabrication 2−5820

third-order optical susceptibility *see nonlinear optical susceptibility*

Thomson effect
No entries

three phase rectifiers *see rectifiers*

three-photon spectra *see multiphoton spectra*

three-term control
communication cable production, process control synthesis *(Czech)* 2−24748
microprocessor controlled electric process heater 2−13078
NADCON, ship solid gain AR autopilot, comparison with PID autopilot *(Japanese)* 2−2852
phase-locked loop control schemes of linear and nonlinear DC motors 2−4223

threshold elements
No entries

threshold logic
No entries

throat microphones *see microphones*

thunderstorms
see also lightning
aircraft hazards and their avoidance 2−17445
discharged current charcts., from needle electrode, applications to thunderclouds detection 2−7172
F_2-layer infrasonic oscills. assoc. with thunderstorms, detect. by HF radar obs. 2−10482
lightning activity monitoring 2−3607
satellite-based intensities, rel. to radar-estimated rainfall 2−7434

thyratrons
gas-filled, thyratron-type MV discharger 2−14598
test pulse generator appl., for power transistor time parameters meas. 2−14847
transient phenomena in circuits with locator thyratrons*/* 2−1133
CO_2 photoionisation laser with high pulse repetition freq. 2−25674
Cu halide laser pumped by vac.-tube and thyratron oscillators 2−1898

thyristor applications
6 MVA thyristor static compensator for the CERN intermediate booster accelerator *(French)* 2−7909
13.8 kV bidirectional 1200 A light-fired thyristor switch VAR generator 2−23376
25 kV 50 Hz electrification system, effect of thyristor controlled traction 2−13030
50 kVA PWM invertor motor drive, microprocessor controlled 2−12977
AC load control, interfacing with digital circuits 2−5208
AC railway operating thyristor-controlled traction units, meas. and statistical anal. of interference 2−13032
AC switches, control by diode-transistor switch 2−701
AC/DC electric motors using electronic speed controllers for variable speed drive *(French)* 2−23659
analysis of electromechanical constraints generated by a cycloconverter *(French)* 2−7910
asynchronous drive, thyristor-fed, group supply voltage quality evaluation 2−18639
asynchronous drive with thyristor voltage regulator, design calc. 2−18638
asynchronous electric motor with thyristor control modelling *(Russian)* 2−4119
asynchronous machine, frequency convertor-fed, steady state and transient behaviour anal., math. model *(Russian)* 2−4143
automatic drive control system for electric conveyor trucks for improved manoeuvrability *(Hungarian)* 2−18631
autopiloted current source invertor fed, synchronous motor performance anal. 2−18195
battery charger, using controllable DC voltge, MAA 436 IC *(Czech)* 2−714
cascade-type thyristor drive units for pumps *(Polish)* 2−23671
characteristics of a thyristor interruptor with nonlinear inductance in a fast charge/discharge circuit *(Russian)* 2−28018
chopper driven DC motor back EMF calc. model 2−4224
chopper-controlled DC series motor, piecewise-linear technique model 2−18266
commutation control during speed reversal of a current-fed asynchronous machine 2−23293
commutation with 6- and 12-pulsed convertor-fed synchronous motors *(German)* 2−4051
commutatorless electric motor performance anal. 2−4017
commutatorless motors, effects of mag. saturation 2−12979
computer modelling of chopper controlled DC machines 2−4220
constant voltage invertor driven induction motor starting current limitation 2−4183
control circuit of a class-A three-phase SCR inverter 2−5094

thyristor applications continued
control system design of DC transistor chopper motor drive *(Slovenian)* 2−7865
controlled balanced rectifiers for electrolytic plants *(Russian)* 2−18822
controlled drive reliability parameters and assessment guidelines *(Polish)* 2−18633
controlled p-n-p-n structure type amplifiers, temp. stability of gain 2−748
controlled transformer-thyristor AC voltage converters *(Russian)* 2−18317
controlling the overvoltage of smoothing filters of thyristor convertors in mine electric locomotives *(Russian)* 2−28021
converters for three-phase motors *(German)* 2−23357
convertor fed AC and DC drives, energy consideration 2−4397
convertors, equivalent circuits, computer analysis *(Russian)* 2−18318
convertors, for DC drive control 2−28031
current source invertor driven synchronous motor performance anal. 2−18202
current source invertor fed induction motor numerical speed control 2−4181
cycloconverter fed variable frequency operation of induction motor 2−4174
cycloconvertor, microcomputer control, reduction of output freqs. from single-phase supply, thyristor bridge config. 2−23375
cycloconvertor driven, induction motor performance anal. 2−4171
cycloconvertor driven, induction motor performance anal. 2−4172
d-q model for six phase induction machines 2−4188
DC drive choking parameters selection *(Croatian)* 2−18637
DC motor, performance anal. 2−4228
DC motor, thyristor control type with field weakening control, digital simulation method as design aid *(Japanese)* 2−4216
DC motor chopper quasi-steady state anal. 2−18636
DC motor speed control, performance anal. 2−4229
DC motor speed control 2−4222
DC power supply system with inverting substations for traction systems using regenerative brakes 2−28174
DC regulated supply, using digitally controlled SCRs 2−24398
DC regulator for magnetic meas. equipment 2−24399
DC thyristor electric drives, steady-state operating regimes mathematical description using harmonic components and Laplace finite transform 2−28149
dedicated-microprocessor scheme for thyristor phase control/ of multiphase convertors/ 2−4288
demagnetiser with controllable cycle and adjustable level 2−15103
development trends in power electronics 2−27990
diagnostics for thyristor equipment in electric locomotives *(Russian)* 2−28011
digital simulation of synchronous generator feeding dynamic DC load 2−18203
double wound rotor, induction motor, thyristor-based speed control, performance anal. 2−4200
doubly thyristor fed, synchronous motor linear model 2−18181
drives, regulator parameter optimisation *(Russian)* 2−4281
electric drive primary current-harmonics amplitude and phase control *(Russian)* 2−18630
electric locomotives DC motor K580 microprocessor-based current control *(Russian)* 2−4404
electric motor control, differential equation model 2−19362
electric motor drive, energy charact. *(Russian)* 2−23364
electrical scheme of 81-717 and 81-714 metro coaches, Moscow Metro *(Russian)* 2−28171
electronic reactive power compensator 2−27416
electronics in small electric appliances *(German)* 2−23785
exact analysis of a thyristor controlled servomotor with a free-wheeling diode 2−4227
exciters, reliability anal. 2−12719
firing delay control 2−18334
frequency convertors type YRRA for induction motor drives 2−27992
gate turn-off thyristor, 3000 V, 1000 A, charact. and appl. in traction motor control 2−9645
gate turn-off thyristor, recent trends 2−28017
gate-turn-off thyristor, principle and appls. *(German)* 2−25215
generator of powerful unipolar current pulses *(Russian)* 2−7914
glass furnace, thyristor control of power 2−18830
heavy current capacitors in power electronics, requirements and use *(German)* 2−18325
high-power thyristor magnetic high-frequency harmonic generator 2−24439
highly versatile digital firing circuit for SCR motor control application 2−4396
hothouse winter and summer temperature control, using triac switches *(Spanish)* 2−28248
HV AC electrified railway system, harmonic performance 2−13033
HV fast-switching gate assisted turn-off thyristor for HF invertor use 2−9641
IANTAR high-power thyristor-supplied drive control systems *(Polish)* 2−23669
IC U 706 D thyristor multiphase control unit for mains rectification *(German)* 2−13966
improvement of power performance of multirange rectifiers with artificial commutation *(Russian)* 2−23360
induction drives, phase-commutated convertors for slip-power control 2−18653
induction motor, three-phase, performance anal. *(Russian)* 2−18227
induction motor drives, PWM invertor using gate turn-off thyristors 2−12980
induction motor velocity and start control, three-phase rectifier drive performance anal. 2−4187
inductions motor, PWM performance anal. 2−4166
influence of parameters of RC networks on commutation processes in thyristor equipment 2−18341
integrated generator convertor system for HVDC transmission 2−18201
inverse conducting, DC controller and invertor appl. *(German)* 2−687
invertor driven AC and DC motor, performance anal. 2−18149
invertor driven cage-rotor induction motor performance anal. 2−4189
invertor driven induction motor, performance anal. 2−4167
invertor driven induction motor, PWM performance anal. 2−4168
invertor driven induction motor, PWM performance anal. 2−4169
invertor driven induction motor, PWM performance anal. 2−4170
invertor driven induction motor stability anal. and modelling 2−4175
invertor driven induction motor vibration anal. 2−18245
invertor driven squirrel-cage induction motor, PWM performance anal. 2−4173

thyristor applications continued
invertor fed induction performance anal. 2−4193
invertor fed six phase, induction motor performance anal. 2−18244
invertor fed synchronous motor, performance anal. 2−18205
invertor fed synchronous motor excitation control and performance anal. 2−18204
invertor fed synchronous motor performance anal. 2−18200
invertor fed synchronous motor performance anal. 2−18207
invertor fed with salient poles induction motor performance anal. 2−4191
invertor for induction motor speed regulation *(Russian)* 2−27926
invertor-fed series wound excited reluctance machine, adaptive control 2−12631
invertors, large US thyristor invertors with cutoff diodes, anal. *(Russian)* 2−23353
invertors, type PT-AVK, for induction motor drives *(Russian)* 2−28027
invertors for medium freq. induction heating 2−18369
Italian State Railways electric tractive units and general overview *(German)* 2−28165
Japanese railways, power electronics traction systems, interference problems 2−13034
lamp brightness, digital control, six-programme panel, thyristor block and remote control *(Russian)* 2−18747
Leonard DC motor, power factor improvement method 2−4225
light intensity control, using COP420 microcomputer to vary triac conduction angle, program *(French)* 2−18751
lighting, automatic emergency illumination, using transistor, triac cct. *(Spanish)* 2−28228
load var fluctuation predictive compensation based on linear prediction filter theory 2−7491
loading of large machines at heat-run by power swinging 2−4046
local public passenger transport using 3-phase drives, energy savings *(German)* 2−23692
logic automatic system for excitation control of synchronous motors, analysis and synthesis *(Russian)* 2−27893
magnetothyristor 40 kV pulse generator 2−9037
MF invertors, system analysis for appl. to information processing *(German)* 2−28007
microcomputer-based commutation failure-free control system for the cascaded rectifier circuit 2−18333
microprocessor-based convertor fed self-control synchronous motor starting scheme 2−18196
model railway points control, using thyristor cct. 2−871
motor-car train drives impulse and stages by opto-electronic couplers to ignite power thyristors *(German)* 2−23687
multiphase commutatorless DC machine, performance anal. 2−4226
multiphase drive problems for U706D thyristor control equipment *(German)* 2−5107
multiphase silicon convertors control algorithm for long distance traction vehicles *(Polish)* 2−28176
no-break power supply, ASEA's new static convertor-fed supply 2−27994
nonsinusoidal current source invertor fed, synchronous motor, performance anal. 2−18208
open winding microprocessor-based invertor fed, synchronous motor, performance anal. 2−18209
optoelectronic isolating links applications in power electronic systems 2−28066
phase control ccts., RFI generation and suppression 2−8985
phase controlled convertor driven induction motor performance anal. 2−4190
power circuit for shipyards *(Russian)* 2−28028
power convertors, thyristor-based and transistor-based, comparison *(Croatian)* 2−28014
power electronics, present status and future *(Japanese)* 2−4293
power feedback systems, compensation using controlled rectification *(Spanish)* 2−19546
power plant electric systems 2−7931
power supplies to HV apparatus 2−705
precipitator appls. of thyristors, review 2−15625
pulse balance in the phase control system of the thyristor convertor *(Russian)* 2−4298
pulse convertor, for resistor braking of electric train *(Russian)* 2−18678
pulse current invertor fed induction motor, transient differential equation model 2−4184
pulse shaper cct. design anal. 2−5166
pulse shaper for thyristor group control, AC and DC drives appls. *(Russian)* 2−24465
pulse-controlled series-wound traction motor, current mean values determ. in thyristor convertor *(Russian)* 2−12992
pulsed magnetic field generator, thyristor system *(Polish)* 2−12718
pumping current pulse generator, for semiconductor laser, using a thyristor 2−14017
PWM, three-phase, digitally-controlled, charact. 2−15820
PWM power convertor in intermediate current conditions, stability of closed-loop system *(Russian)* 2−23354
reactive power compensator, for fast-varying industrial loads 2−28023
recent developments in thyristor-chopper technology and appls. 2−7920
rectifier, subharmonic composition *(Russian)* 2−23374
rectifier for new power supply system for large telecommunication plants 2−18322
rectifier-loaded synchronous machine with damper winding model 2−18198
rectifiers, dynamic resistance determ. using automatic installation 2−26739
reduced voltage starting using SCRs 2−23303
regenerative braking performance analysis of a thyristor-chopper controlled DC series motor 2−18267
regenerative circuit with positive feedback, switching speed determ. 2−24625
regulator, general-purpose, temperature stabilisation appl. 2−8975
SCR convertor ccts., transformer losses estimation 2−12727
shunt compensation in power networks 2−27993
shunt-connected reactors and capacitors controlled by thyristors 2−12698
single-phase stepped-wave, using 3-level PWM inverters 2−5102
soldering iron temperature controller, using triac *(Spanish)* 2−23991
solid state AC voltage controller for industrial loads 2−18404
solid state relay, using optically coupled inputs, triac coupled output 2−9267
sound to light generator, using bass, middle, treble channels, thyristor control 2−19822
starpoint commutated current fed induction motor, Park vector methods 2−4176

thyristor applications continued
static frequency convertors for the auxiliary power supply on electric locomotives and multiple-unit trains 2−27995
static power convertors, steady-state anal. 2−18355
static single to three phase convertor, circuit and operational anal. 2−28024
static single-phase to three-phase convertors, steady-state anal. 2−18366
steady and transient operating characteristics of DC motors energised from thyristor inverters *(German)* 2−27935
steel production, thyristor motors appl. 2−8107
switching, control, and timing circuits 2−854
synchronous drive, with thyristor frequency convertor, math. model. 2−4391
synchronous generator multiple thyristor convertor loads transient behaviour anal. 2−7818
synchronous machine excitation cct. surge protection *(Russian)* 2−4060
three-phase asynchronous electric drives with freq. convertors, physico-math. modelling *(Russian)* 2−23662
three-phase bridge clct. with thyristor convertors, characts. 2−4294
three-phase thyristor bridge control systems classification review *(Polish)* 2−28076
thyristor asynchronous electric drive for a centrifugal pump, analogue simulation *(Russian)* 2−18237
thyristor controlled induction motor d-q axis equivalent circuit 2−4182
thyristor convertors for DC drives, ASEA's new generation 2−27991
thyristor driven commutatorless induction motor performance anal. 2−4195
thyristor driven separately excited DC motor SUPER SCEPTRE program 2−4230
thyristor frequency convertors, for induction heating, power cct. voltages and currents *(Czech)* 2−12709
thyristor power regulators for three-phase active loads with limited range of regulation *(Russian)* 2−28074
thyristor-excitation system overvoltage 2−27896
thyristor-fed reversible DC drives, active and reactive energy balancing methods *(Polish)* 2−12972
TR 4379 temperature controlled, characteristics of thyristor final control elements *(German)* 2−12753
transistor thyristor PWM invertor 2−18360
triac AC for voltage and current harmonics reduction 2−18330
triac control, for series wound AC/DC electric motors using TDA 1185 *(French)* 2−7960
triac phase control, double slide projector brightness on change-over *(German)* 2−19751
triacs firing phase angle control 2−7919
U706D IC thyristor drive unit for industrial control equipment *(German)* 2−12722
variable fequency three phase current source inverter with prescribed current waveforms 2−18359
variable light flasher, using TTL SN7414N IC, triac 2−4448
variable speed electric drives reviews 2−4399
variable speed thyristor converter-fed synchronous motor drive 2−8027
welding transformer with thyristor current regulation, continuous arc-running stability 2−23805
wind generator connection to power grid by thyristor based switchgear *(Danish)* 2−23224
Si thyristor discharger for pulsed mag. field generator 2−14349

thyristors
2500 V 50 mm asymmetrical thyristor, fabrication 2−9644
AC load control, interfacing digital circuits 2−9131
asymmetrical SCRs with reverse blocking voltage, appls. 2−9642
commutation unit, mathematical model *(Bulgarian)* 2−9635
control circuit, appl. of phase shifter *(Rumanian)* 2−24622
crosspoint test tool for both anode and cathode rate effect evaluation 2−4639
current inverter for cage rotor induction motor torque and speed control via thyristors *(German)* 2−8968
design curves 2−9643
drive thyristor and convertor equipment equivalent current formulae *(Polish)* 2−18632
dynamic model for the simulation of the switching properties of thyristors 2−4398
electrostatically controlled thyristor, blocking state theory 2−20246
force semiconductor structures simulation *(Russian)* 2−1333
gate turn-off thyristor, 3000 V, 1000 A, characts. and appl. in traction motor control 2−9645
gate turn-off thyristor, recent trends 2−28017
gate turn-off thyristor *(German)* 2−20242
gate-turn-off thyristor, principle and appls. *(German)* 2−25215
high- and low-power applications 2−9634
high-power thyristor for power electronics, its design and characteristics *(German)* 2−5739
HV fast-switching gate assisted turn-off thyristor for HF invertor use 2−9641
HVDC thyristor development *(German)* 2−25217
large active area thyristors, reverse recovery and holding current test methods 2−9638
large area thyristors for 50/60 Hz phase control rectifier ccts., power loss 2−9640
metal-tunnel insulator-Si thyristor under base voltage drive, transient switching characts. 2−20243
MIS thyristor, tunnel insulator-semiconductor interface appl. 2−25097
MIS thyristor thresholding transducer in optical systems 2−10152
MIST, optical transient switching meas., meas. by laser beam 2−1366
on/off switching characts. improvements with improved manufacturing techniques *(German)* 2−25216
p-n-p-n structure, high power thyristor switch, light pulse control 2−9637
parasitic substrate current reduction, minor modifications in processing 2−5653
power, distrib. of dynamic parameters *(Russian)* 2−20244
power diode and thyristor models *(German)* 2−20248
power electronics components, operation theory, models and typical ratings *(German)* 2−1352
power semiconductor devices, CKD Semiconductor products *(Czech)* 2−14824
power thyristor computer-aided surge capability prediction and anal. under 50 Hz half-sine wave overloading 2−20245
protection from overvoltage 2−12281
rate-effect sensitivity reduction by using additional gate-cathode capacitor 2−5740

thyristors continued
reference information on solid-state switching devices 2−5713
reverse conducting, principles and appl. *(German)* 2−687
reverse-conductivity modulator thyristors, turn-on process, avalanche injection form. 2−1368
RF interference suppression 2−5741
SCRs and related thyristor devices, book 2−23874
semiconductor power modules, CKD Semiconductors product *(Czech)* 2−18323
sensitive thyristor design, operation in terms of equivalent circuits *(French)* 2−5743
state-of-the-art and future developments 2−27999
switch, multichannel nanosecond, for Cu vapour excitation by transverse discharge 2−1989
switching, modelling of transitional process *(Russian)* 2−1367
testing thyristor crosspoint technique for both anode and cathode rate effect evaluation 2−4638
triacs, construction, equivalent circuits and application *(French)* 2−5742
triggering criteria *(French)* 2−5744
turn-off process anal. and turn-off time measurement 2−1364
turn-off time trade-offs 2−9639
turn-on, voltage drop, plotting of exptl. curves using hyperbolic functions *(Russian)* 2−9636

tidal power stations
dynamic models of tidal estuaries 2−23184
France, new operational model 2−27810
generic performance of small scale tidal power plants 2−27814
influence of Severn tidal power schemes on sediment transport processes, Bristol Channel, England 2−23185
integration into large systems 2−18060
mathematical modelling of tidal power schemes in the Bristol Channel, England 2−23182
one-dimensional modelling of tidal power schemes 2−23181
optimisation of tidal power schemes 2−23189
plant safety and the state of the sea *(French)* 2−23180
power generation from tidal flows for navigation buoys 2−23186
preliminary assessment of Cook Inlet tidal power, Alaska, USA 2−27815
preliminary survey of tidal energy from five UK estuaries 2−27811
second international symposium on wave and tidal energy, Cambridge, England (1981) 2−18871
Strangford Lough tidal energy project, United Kingdom 2−27812
surges in tidal power basins, power availability, basic theory 2−23183
tidal power schemes in the Bay of Fundy and Bristol Channel 2−27813
towing and positioning of caissons in a tidal barrage 2−23188
turbine caissons for the Severn barrage 2−23187

tides
alternative sources of power 2−22976
Earth, measurement by zeromethod pendulum *(Rumanian)* 2−17555
influence of Severn tidal power schemes on sediment transport processes, Bristol Channel, England 2−23185
LED array displays coastal-tide data 2−17010
levels of max. and min. tides rel. to coastal plant safety *(French)* 2−23180
mathematical modelling of tidal power schemes in the Bristol Channel, England 2−23182
ocean, tidal anal. of intermittent acoustic obs. 2−17565
ocean tides, meas. by telemetry bottom press. obs. system at depth of 2200 m 2−17566
one-dimensional modelling of tidal power schemes 2−23181
power generation from tidal flows for navigation buoys 2−23186
preliminary survey of tidal energy from five UK estuaries 2−27811
SLAR imagery of sea, research results until 1978 2−7445
Strangford Lough tidal energy project, United Kingdom 2−27812
surges in tidal power basins, power availability, basic theory 2−23183
suspended sand concentration meas., piezoelectric impact sensor design 2−22732
towing and positioning of caissons in a tidal barrage 2−23188
vertical axis water turbine for extracting energy from rivers and tidal currents 2−12533

tight-binding calculations
GaAs-strained GaAsP-GaAs (100) heterostructure, electron transmission probabilities 2−5609

tilt (Earth) *see geodesy*

tilting control *see attitude control*

timber *see wood*

time bases
mains derived 1 Hz pulses production *(German)* 2−765
multi-channel magnetic tape recorders, time base error correction *(German)* 2−26688
stabilized RF generator of quadrupole mass spectrometer 2−11876
sweep cct. for SSB monitor scope, construction details 2−22294
TV vertical deflection circuits, monolithic implementation *(Russian)* 2−6929
VTR, one-head helical scan, SECAM signals, time base corrector *(French)* 2−21983

time delay circuits *see delay circuits*

time delays *see delays*

time division multiplexing
see also message switching; packet switching
4 GHz TD radio link, 20 Mb/s FSK digital transmission expt. 2−6765
30/20 GHz satellite-switched TDMA microwave switch matrix design 2−2754
alarm monitoring system with CPU control, contact sense multiplexer using TDM 2−16879
Chinese character CRT terminal, hardware and software design 2−16849
demand-assigned satellite system with hybrid TD/FDMA uplink and pure TDM downlink 2−2757
digital communication system based on multistation access and TDM, high speed modem design 2−16429
digital displaying diodes *(German)* 2−7031
digital microwave radio distribution systems in France, 1.5-GHz TDMA system and 31-GHz point-to-point link for remote telephone subscribers 2−2691
digital microwave rural telephony system, IRT 1500, telephone concentrator, facilities using TDMA techniques 2−6763
digital mobile radiotelephone system using TDMA/FDMA scheme 2−21761
digital radio links, operating aids equipment 2−26401
digital TDM to FDM convertor, transmultiplexer 2−10734

time division multiplexing continued
digital telephone set, with extensions using TDM 2−16243
DX-100 time division transit exchange for Finnish telephone network *(Finnish)* 2−2609
E10 TDM digital switching system incorporation into integrated services network, technology and planning 2−6723
E10.S/TSS.5 digital PCM switching system, appls. in private-line networks, mobile radiotelephone networks and directory service 2−6690
electrographic printing with ion projection printhead 2−15636
Integrated Services Digital Network, 80 kbit/s subscriber connection system over 2-wire line, TDM principle 2−6708
integrated switched networks, performance valuation of variable frame multiplexer 2−2644
integrated switching, SPC capabilities for reducing cost of interfacing local network with surrounding environment 2−2648
Intelsat V system, digital TDMA transmission system *(German)* 2−10731
intersatellite links, interconnection of satellite-switched TDMA networks, onboard clock sync. 2−6818
IRT 1500 rural TDMA radio subscriber loop system, UHF freq. operation, speech and telegraph 2−2686
Japan's communication satellite, TDMA experiments *(Japanese)* 2−16422
line equipment PCM 30/II for radio link system *(German)* 2−16352
MT 25 TDM ESS for medium- and high-capacity subscriber exchanges, functional units and software struct. 2−6689
optoelectronic switching matrix for satellite-switched TDMA 2−6805
OTS, TDMA/DSI system tests and telephony channel tests 2−11054
OTS, telephone signalling tests through TDMA/DSI system, results and conclusions 2−11055
passive multiplexing techniques, for fibre optic sensor systems 2−5993
PCM time division switching networks, pair relationship 2−10738
priority TDMA protocol for satellite data communications 2−6626
quantizing distortion, examination for communication networks *(Hungarian)* 2−16258
Radio Subscriber Loop System, business information signal transmission in 26-GHz band using TDMA 2−2690
radiotelephone, digital system, TD/FDMA scheme 2−11006
railway data communication system, rolling stock control appl. 2−21651
road traffic automation, digital integrated telecommunication system decomposition 2−16191
satellite communication with dynamic bandwidth allocation, improved timing synchronisation 2−2738
satellite ground station, for DA-TDMA integrated services network 2−21773
satellite relay systems, TDMA-40 equipment, automatic control system and stand-by facilities 2−16430
satellite switched TDMA Advanced Westar communications system 2−6790
satellite switching centre for satellite switching TDMA systems 2−2753
satellite TDMA, decentralised-control dynamic bandwidth allocation 2−2739
satellite TDMA communications link, digital speech interpolation system *(Japanese)* 2−6796
satellite-switched TDMA frame synchronisation clock correction 2−2756
satellite-switched TDMA microwave switch matrix integration and testing 2−2755
Siemens PCM-time multiplex exchange system *(German)* 2−26342
STA 8 digital subscriber connection system 2−6707
statistical TDM for rapid data transfer 2−15962
statistical time division multiplexing 2−2596
synchronous satellite repeater, JTIDS capability extension 2−11046
System Interfacing Multiplexer-Oriented Extender (SIMPLE) language used for TDM *(Japanese)* 2−26322
TDM versus SDM switching arrays, comparison 2−10728
TDMA satellite communications system for interplant business traffic 2−11063
telegraph signals, introduction of system into Yugoslavia *(Croatian)* 2−10735
telephony, problems arising from digitalization in the German Democratic Republic *(German)* 2−6543
time compression multiplexing of multiple television signals in satellite channels using chirp transform processors 2−15965
transponder efficiency increase by using TDMA 2−26164
trigger signal ccts. for TDM data transmission systems *(German)* 2−26273
TZ-I time division multiplex device, technology, distributed system processing interrelation *(Japanese)* 2−26321
ZATF 46 CD TGDM system for telex and data transmission 2−16256

time-domain analysis
adaptive array processing and beamforming recursive algorithms 2−26140
coupled dispersive transmission lines, characterisation and simulation 2−2170
digital FM, narrow-band, error rate theory, time domain approach 2−15805
directional protection scheme based on time-domain anal. for digital processor use 2−3792
electrical power systems load modelling techniques, implications in stability analysis 2−17654
EM pulse finite-difference code THREDII, thin slot formalism implementation 2−15727
injection-locked oscillators, phase-lock stability using time-domain approach 2−9224
linear network analysis, difference operators in discrete Fourier transform *(German)* 2−24368
linear systems in the time domain *(Portuguese)* 2−8946
lumped/distributed networks, state-space anal. in time and freq. domains 2−13916
Maxwell's field equations in one and two dimensions, network analogues 2−25897
microwave oscillators, time-domain large-signal noise modelling 2−24721
multiconductor power transmission line, digital filter model 2−3770
multiport wave digital filter, time domain anal. using multi-wire line model *(Japanese)* 2−9157
nonlinear lumped parameter-linear distributed parameter networks, time domain anal., algorithms and programs *(Hungarian)* 2−8950
rational function interpolation of the imaginary axis of the complex plane 2−659
superconducting generator transient behaviour 2−4079
thyristor controlled induction motor d-q axis equivalent circuit 2−4182
transmission line discontinuity, determination, appl. 2−22374

time domain networks *see time-varying networks*

time-domain reflectometry
automated, using stroboscopic convertor accuracy increase 2−3053
automated testing for optical fibre installations 2−6822
cable fault location 2−7203
cable tester, using cross-coupled monostable IC 2−11607
fibre optics, measurement techniques for important parameters 2−9971
fibre optics for physical field spatial distrib. meas., polarisation optical time domain reflectometry 2−10021
optical fibre backward Rayleigh scatt. polarisation meas. and anal. using optical time domain reflectometer 2−20640
optical fibre Y-branch fabrication, appl. in optical time-domain reflectometer 2−11644
optical subpicosecond-time-domain reflectometry, optical fibre characterisation 2−3289
optical time domain reflectometer for optical fibre backscatter meas. 2−10035
optical time domain reflectometry, using YAG laser, increase in detectable fault location length 2−3288
optical waveguide single microbend, insertion loss meas. using time-domain reflector 2−1709
shock meas. using CORRTEX system, nuclear explosions meas. appl. 2−22094
transmission line elements parameters meas., errors evaluation 2−17115
transmission line TDR meas. 2−22384
tunnel diode microwave and digital applications 2−9223

time-domain synthesis
automated constrained optimisation of electronic networks to time-domain specs., interactive design 2−665
edge-detection filter, optimal design in time domain 2−19763
flight simulators, digital sound simulation techniques 2−7370
low-pass active filters *(Serbian)* 2−19767

time interval measurement *see time measurement*

time measurement
see also clocks; frequency measurement; streak photography; time resolved spectroscopy
chronometric local system in Soviet Union 2−17141
clock synchronisation between two stations, using artificial satellite 2−3576
clock synchronisation expt. via SYMPHONIE satellite 2−17140
drift chamber, multi-hit time-to-digital convertor system 2−17235
elapsed time meter, using 50 Hz pulses, 4082, 4518 ICs 2−873
horologicum star clock, providing GMT, sidereal time, using logic ICs decade counters 2−7221
international time scale comparisons, temperature-correlated Loran C signal propagation delays influence 2−22034
intervals automatic meas., vernier and successive counting methods combination 2−7220
laser impulse duration meas. device *(Bulgarian)* 2−7218
Laser Synchronisation by Synchronous Orbit (LASSO) expt., present state *(French)* 2−3575
marker generator, using precision light beam oscilloscope 2−17021
muscle mechanics, simple digital instrument for time meas. 2−11634
OMA 50-kH standard time, frequency transmission system, controlled by caesium clock 2−26970
photographic, enlarger timer, with new features, construction details 2−9173
physiological microcomputer-based time interval meas. 2−26971
precise time comparison, ABC Television Network policy 2−21902
precision remote comparison of time and frequency *(Japanese)* 2−11633
regenerative repeaters for PAM system, jitter accumulation analysis 2−10618
scales comparison, Loran-C system appl. 2−3239
Tektronix 468 digital storage oscilloscope, used for TV system timing measurements 2−22299
transistor switching times, digital meas. *(Bulgarian)* 2−26969
TV receiver synchronization signals, time instability meas. automatic meter with 2-3 ns meas. error *(Russian)* 2−3212
two-way time transfer, simultaneous, using Symphonic satellite 2−26704
VLF radio receiver cct, 60 kHz carrier time signal appl. 2−26607

time of flight mass spectra
No entries

time of flight spectra
see also time of flight mass spectra
magnetic quadrupole spectrometer for time-of-flight meas. 2−22507
missing-mass spectrometer for momenta below 1.5 GeV/c 2−3437
neutron polarisation meas. facility and polarisation data anal. methods 2−22475
neutron time-of-flight facility at Tohoku University cyclotron 2−3436
Si, high-field transport of holes 2−1147

time of flight spectrometers
heavy ion backscattering anal., high-resolution spectrometer 2−11874
heavy ion spectrometer using heavy ion pulses 2−11871
heavy reaction product spectrometer 2−27096
ISOTRACE facility using Tandetron accelerator 2−11881
JAERI magnetic spectrograph design for heavy-ion reaction studies 2−3430
magnetic mass spectrometers 2−3435
multistop time-to-digital convertor for time-of-flight mass spectrometry 2−3424
neutron time-of-flight facility at Tohoku University cyclotron 2−3436
particle spectrometer with ionisation chamber and parallel plate avalanche counter 2−11783
pulsed spallation neutron sources, time-of-flight spectrometry appl. 2−17223

time resolved spectra
semiconductors, hot carrier relax., picosecond laser pulse studies, review 2−24984
As_2S_3, amorphous, hot carrier relax., optical picosecond study 2−25013
p-GaAs, heavily doped, hot carrier relax., picosecond luminesc. study 2−24983
GaAs, hot carrier relax., picosecond laser pulse studies, review 2−24984
Ge, photoexcited hot carriers, picosecond interband saturation and intrab- and relax. 2−24943
Si, amorphous, hot carrier relax., optical picosecond study 2−25013
Si film, implanted, CW laser-induced solid phase epitaxy dynamics, time-resolved reflectivity meas. 2−24307
Si, ion implanted, amorphous, ultrashort pulse laser annealing 2−25135

time resolved spectra continued
Si, ion implanted, laser annealing, time-resolved Raman scatt. and transmission meas. 2−25126
Si:As, implanted, CW laser annealed, real-time monitoring of opt. props. 2−25136
Si:H, amorphous, hot carrier relax., optical picosecond study 2−25013
ZnS:YEuO$_2$S thin film, electrolum. complex centre characts., fluoresc. and time resolved spectra 2−25590

time resolved spectroscopy
see also streak photography
fast-response spectrometer of positron lifetimes 2−27088
fluorescence spectroscopy, appl. of subpicosecond CW passively mode-locked ring dye laser 2−20840
metaphosphate glass dosimeters, radiophotoluminesc., time-resolved study 2−11803
semiconductor, laser-induced solid phase epitaxial growth, monitoring using time-resolved opt. reflectivity 2−8816

time series
ARMA processes, time-dependent, evolutive cospectral anal. 2−19146
ARMA series, seasonally nonstationary, large-sample behaviour of S-array 2−19145
autoregressive process, estimation of coefficients by using higher order moment 2−13462
autoregressive processes, simple correlated processes, model checking 2−13493
autoregressive time series, new model, in exponential variables, NEAR(1) 2−24098
bilinear time series model, first-order 2−8529
contemporal time series aggregates forecasting 2−247
covariance sequence approx. for parametric spectrum modelling 2−6436
covariance structure of sampled correlations from ARUMA models 2−19143
dynamic error components models, efficient estimation with panel data 2−19147
empirical statistical spectral analysis procedures 2−26144
goodness of fit of time series models, higher order crossings appl. 2−4776
interactive minicomputer program for time series analysis 2−19142
intervention anal., alternative model 2−19149
low order autoregressive time series, replicated observations 2−13461
Markov property testing 2−19151
mean and covariance, estimation and tests of hypotheses 2−4789
missing observations 2−4790
multivariate ARMA models, necessary and sufficient conditions for causality testing 2−13463
nasal sound analysis by improved homomorphic prediction method 2−21321
nonlinear time series model, statistical anal. 2−19148
nonstationary time series model, fitting by recursive filter 2−13464
Norwegian west coast horizontal wind samples, time series model estimation 2−18106
on covariance coefficients estimates/ of finite order moving average processes/ 2−269
robust regression and interpolation for time series 2−8481
seismic anal., effective ARMA model 2−4823
stationarity test for harmonisable stochastic process 2−19150
stationary random sequences, covariance estimates, asymptotic distribution 2−279
stationary time series transformation, loss of information 2−21262
tapering, key role in spectrum estimation 2−2340
transfer function models, noise correlations estimation 2−4802
wind speed consistency, time series modelling approach 2−18105

time sharing computer systems *see time-sharing systems*

time-sharing programs
DIPS 163-10 time-sharing package, data communication appl. *(Japanese)* 2−6587

time-sharing systems
GTD-5 EAX software development environment 2−26345
synthetic system generation techniques, DIPS 104-02 operating system for data communications appl. *(Japanese)* 2−6589

time switches
programmable timer, using thumbwheel switches 2−24766

time-varying circuits *see time-varying networks*

time-varying networks
linear time-varying digital filters, props. of compatible transform 2−839
non-linear time-varying n-ports, energy-related concepts for passivity and losslessness 2−8959
switched-capacitor impulse-filters, time-varying parameters, CAD, freq. response anal. *(German)* 2−24601
three-frequency parametric system as two-pole with negative inductivity *(Bulgarian)* 2−24383
two-port, mode variables analysis technique 2−5077

time varying parameters *see time-varying systems*

time-varying systems
dynamic behaviour of time-varying queueing systems *(German)* 2−8438
passive sonar array processing in nonstationary random fields 2−26146

timing *see time measurement*

timing circuits
555 timer IC, leakage resistance reduction of timing capacitor 2−5305
adjustable timing generator, with rectangular pulse train shifting capability 2−14020
analogue timer as digital comparator with hysteresis 2−14193
capacitance convertor using integrated 555 timer *(German)* 2−895
CMOS gate configurations *(German)* 2−5318
combination lock, using 4050 CMOS hex buffer IC timing ccts., relay 2−14235
delay circuits, using ICs for long, repeatable delays 2−9179
digital design techniques, touch switches, timers, oscillators 2−5268
digital stopwatch/clock, using CM174 module LCD 2−5269
elapsed time meter, using 50 Hz pulses, 4082, 4518 ICs 2−873
electronic metronome, with accented rhythm flexibility 2−14239
encoder circuit with programmable priority, using logic comparator timer *(Italian)* 2−21275
IC U 124 D appl. in timing circuits *(German)* 2−879
integrated timers *(German)* 2−14247
interval timer for multichannel particle energy analysis 2−11856
jitter accumulation in PAM data transmission systems, timing cct. equivalence to low-pass filter 2−10846
Josephson latching logic circuits, timing circuit 2−15249

timing circuits continued
long period timer, using FET clock, bipolar transistors, SAJ 141 IC, relay *(Spanish)* 2−24631
metronome with accented-beat, using ICs 2−19821
microprocessor timer, two-channel, principle of operation *(Bulgarian)* 2−9109
microprocessors, on-chip time implementation, low-freq. synchronization of high-freq. signals, time-of-day and interval timers 2−19715
Minute Chimer for use in darkroom, fifteen minute range 2−877
mono-chip timing generator for use with pressed NMR spectrometers 2−24629
multilaser expts., computer-controlled timing system 2−9058
photographic, enlarger timer, with new features, construction details 2−9173
photographic process timer using scale division and process cards 2−5306
photographic timer, 0-99 s, using logic ICs, relay 2−19823
PIN module for high accuracy and timing control in ATE systems 2−18984
pool pump timer using 555 timer IC 2−9180
precision timer IC, ferranti ZN 1034 2−883
programmable timer, using PROM IC *(Italian)* 2−19814
pulse packet generator, using switched oscillator 555 IC timer cct. *(Italian)* 2−9035
PWM inverter circuit, used to prevent overmodulation frequency division, 555 timers 2−5155
radio switch-off timer, using CMOS 404 IC, VMOC switching transistor 2−882
RC, noise immunity using slow engage relay circuit 2−9163
reaction timer, crystal-controlled using IC counting ccts., LED indicators 2−19817
smoke detector IC, using long delay timing cct., LED indicator *(Italian)* 2−19815
snooze facility timer cct. for use with mains-powered bedside elec. equipment 2−14257
spark timing control circuits testing, field and bench test instruments 2−13049
square wave generator, programmable duty cycle, high, low using ICs *(Italian)* 2−22287
telephone exchange clock failure monitor using JK flip-flops 2−14245
telephone timer circuit for call cost indication 2−2573
thyristor switching, control, and timing circuits 2−854
ticking eggtimer, constructional details 2−14238
timing signal propagates without phase shift 2−5317
Utility Timer circuit modification to provide linear time increments 2−5304
variable timer, controlled by digital potentiometer 2−9174

Tokamak devices
Alcator C Tokamak by D_2O laser Thomson scattering and sub-MM wave heterodyne receiver meas. 2−21006
coil insulation under intense γ-ray irradiation, flashover characts. study 2−1502
electron density and plasma current distrib. meas. in Tokamak plasma using sub-MM waves 2−22376
fast neutron spectrometer for TFR Tokamak 2−17312
fusion reactor supercond. magnet system, pot. failures and hazards 2−1631
fusion-fission hybrid reactor design studies, overview 2−3860
ISX-B Tokamak, line electron density and Faraday rotation simultaneous meas. 2−20996
plasma diagnostics by FIR scattering from electrostatic modes at ion cyclotron range of freqs. 2−21007
Princeton Tokamak Fusion Test Reactor, 1 mm wavelength electron density interferometer 2−22375
STARFIRE commercial Tokamak fusion power reactor concept 2−17912
superconducting magnets development for nuclear fusion machines appl. 2−15271
Thomson-scattering subMM.-wave ion temp. diagnostic using pulsed D_2O laser at 385 μm 2−2066
toroidal plasma, propag. and heating by electron cyclotron waves 2−15722

tomography, computerised *see computerised tomography*

tools
see also hand tools; machine tools
magnetic head assembly tool 2−5894
masks, non-random defect control 2−25114
patterned semiconductor wafers, automatic inspection and computation tool 2−26728
robotic assembly tool changer 2−23988
semiconductor wafer-loading tool 2−13267

topology
see also catastrophe theory; graph theory; network topology
affine mappings with small dilatation, extremality 2−24132
almost-hermitian manifolds (mfs) of constant type *(Russian)* 2−13544
approximate labelling for simplicial algorithms and two classes of special subsets of the sphere 2−24213
arbitrary two dimensional geometric configurations encoding 2−2272
ARMA parameterisation 2−24181
asymptotic behaviour of nonexpansive mappings in normed linear spaces 2−8590
Banach space, algorithms regularising *(Russian)* 2−311
Banach space interpolation, Calderon's methods 2−19314
Banach space with, up to equivalence, precisely two symmetric bases 2−13526
Banach spaces not containing l_1 *(French)* 2−24139
binary coordinate relations in criterion space 2−24135
bounded linear mappings of finite rank 2−8609
branching equations characteristics *(German)* 2−13617
C-movably regular convergence 2−13563
cardinality of discrete subsets of a topological space 2−13530
cardinality of s-distance subset in real Euclidean space 2−19166
cell-like 1-demensional decompositions of S^3 are 4-manifold factors 2−13564
cellwork topology, network duals and appls. 2−4868
chaotic difference equations in R^n 2−8620
characterisation of the rotation sequence of a unique endomorphism of [0,1] *(French)* 2−24138
classification of topological Markov chains adapted shift equivalence 2−4846
closed mappings in unconstrained minimization/ problems for convex functions/ 2−371

topology continued
cluster sets along arbitrary boundary paths *(Russian)* 2−13556
codes on algebraic curves *(Russian)* 2−13543
cohomology free loops space *(French)* 2−13506
commuting rings of simple A(k)-modules 2−8614
compact groups acting on trees 2−13562
compact starshaped set, kernel 2−13557
complex interpolation in vector-function spaces and generalization of Besov spaces *(Russian)* 2−13549
computer network topological design, shortest-path algorithms, comparative study 2−26275
conditional pressure and coding 2−4766
continuous extension of functions, normal on subgroups, to points in the space of maximum H^∞-algebra ideals *(Russian)* 2−13545
continuous quasiconvex functions, optimisation 2−13641
contracting mappings on statistical metric spaces, common fixed and periodic points 2−19185
contractive semigroups, stability criteria via maximality procedures 2−8340
control aproximation problems and Fenchel-Rockafellar duality *(German)* 2−13640
convexity problem, radius 2−8640
convolution arrays, generalised time/space approach 2−26142
curvature integrals and potentials of analytic hypersurfaces C^n *(French)* 2−24043
curvature of level surfaces of bounded holomorphic functions in the ball *(French)* 2−13374
cyclic elements under translation in weighted L^1 spaces on R^+ 2−8582
decomposition of ranges of vector measures 2−13527
diffusion on a nonnegatively curved Riemannian manifold *(French)* 2−19154
distance matrices and n-dimensional designs 2−24149
electrical circuits abstract structures *(French)* 2−13505
elliptic partial differential equations and quasiregular mappings, reflection principle for solutions 2−24041
embedding metric spaces into cpos 2−13616
existence theorem for a class of nonlinear evolution equations *(French)* 2−19083
exponential polynomial sequence subdivision *(Russian)* 2−13548
finite projective spaces and affine planes, common characterisation 2−24155
finite representation of L_p in Banach space *(French)* 2−13522
finite-dimensional P_λ spaces with small λ 2−13524
first-order topological axioms 2−8623
foliations index theorem *(French)* 2−308
formal logic, topological model theory with interior operator, consistency properties 2−305
four-dimensional Hall triple systems *(French)* 2−24154
frames, Room squares and subsquares 2−19215
function space multiplier on groups 2−19208
functional differential inclusions, topological properties 2−19329
functions with slowly-growing area and harmonic majorants 2−13517
fuzzy function differential *(French)* 2−24137
fuzzy topological vector spaces. I. 2−318
G-manifolds, handlebody decompositions 2−13529
generalised quadrangle weakly embedded in PG(3,q) *(French)* 2−24159
generic properties *(French)* 2−4834
generic properties of concurrent processes *(French)* 2−13520
generic semi-continuities of multivalued maps *(French)* 2−13504
geodesics, simple closed, Poincare's isoperimetric problems 2−8607
geometries that are almost buildings having flag-transitive groups 2−24158
Grothendieck space, nonflexive, construction 2−13528
group ring centre, class of ideals 2−8349
holomorphic bundles in twistsor space, ϕ^4 equation *(Russian)* 2−24163
holomorphic tensors on a compact Kahler manifold *(French)* 2−4831
Hopf decomposition of a Riesz space 2−13565
hyperbolic transformation of complex polyhedra *(German)* 2−24131
hyperspaces of arc-smooth continua 2−13569
immersed Riemannian manifold with bounded mean curvature, diameter 2−8617
imperfect bifurcation and Banach space singularity theory 2−19209
integral functionals with constraints of operator inclusion type, convex minimisation problems 2−175
irreducible 3-manifolds, proof of existence of homeomorphism 2−19181
isomorphisms between L_p-function spaces when $p<1$ 2−8608
isotone maps, isomorphisms between semigroups 2−398
James' quasi-reflexive space, isomorphism to subspace of dual 2−8591
K-spaces in Boolean-valued models of set theory *(Russian)* 2−4856
Levi enlargement 2−13587
Lie algebra of formal contact vector fields, cohomology *(French)* 2−309
limit theorems of probability theory for compact topological groups 2−4821
Lipschitz spaces and Suslin sets 2−8606
local limit theorem for the composition of random motions of a Euclidean space *(Russian)* 2−13553
local models of closed transitive 3-forms on 5-manifolds *(French)* 2−13509
local models of closed transitive 3-forms on 5-manifolds *(French)* 2−19155
localisation principle 2−13516
locally convex topological vector space, ergodic measure 2−8610
Lorentzian hypersurfaces with given curvature, existence *(French)* 2−13510
LSI circuit layout, topological fragments on crystal arrangement algorithms *(German)* 2−9710
MacLane theorem 2−8628
Magnus embeddings for groups and group rings 2−13570
matrices of bounded rank, primitive spaces 2−158
maximal additive and maximal multiplicative family for the family of B-Darboux Baire one functions 2−13608
metric-discrete uniform spaces and their cozero fields 2−13571
metrics induction, with disconnected range 2−13532
minimal surfaces, stability *(Russian)* 2−13552
minimum cost partitions of a rectangle 2−13561
Mittag-Leffler for homotopy pro-groups of movable continua 2−19179
modifications of controllable cutting and pasting 2−13567
modules projectivity generalisations over Dedekind domain 2−8619
Monge-Ampere type equation on compact Kahler manifold *(French)* 2−24141
monodromy operator in vanishing cohomologies and a multiplication-by-f operator in a local ring *(Russian)* 2−13550
monotonicity properties of interpolation spaces 2−8581
multitype branching diffusion 2−8605
multivalued boundary value problems, topological coincidence degree methods 2−8743
multivalued functions and functionals. An analog of Morse theory *(Russian)* 2−13547
multivalued mappings in topological vector spaces 2−8625
nonlinear evolution. eqns. class, compactness method *(French)* 2−13376
nonlinear programming problems, structured families optimality conditions 2−19259
nonlinear random functional integral equation 2−19091
nonorthogonal Fourier expansion for conic decomposition 2−404
normalizers of compressible surfaces in 3-manifolds 2−19180
on absolutely essential mappings 2−13575
on simplices and lattice points 2−337
On the Hardy space H^1 of a C^1 domain 2−8580
on the majorant property in Banach spaces *(French)* 2−13371
operator semigroups and differential equations in Banach space *(Russian)* 2−4708
Peirce decomposition in associative and alternative rings 2−13573
periodic orbits stability *(French)* 2−24142
plane constructive curves properties *(Russian)* 2−13551
plane-into-plane mapping, topology of fine fixed point 2−13612
point inclusion algorithms *(Italian)* 2−13533
projections of compact semistructures 2−19232
pseudodifferential commutating operators, joined spectrum *(French)* 2−13375
quadrangles, generalised, combinatorial characterisations 2−24161
quasi-reflexive Banach spaces, projections 2−13514
quasiconformal group not isomorphic to a Mobius group 2−24025
Quillen models of a Serre fibration *(French)* 2−4835
Raman manifold, stochastic mean value *(French)* 2−8406
random elements and their convergence in topological spaces 2−24123
range of projection of small norm in l_1^n 2−13523
regular Wallman compactifications of rim-compact spaces 2−19210
regulates of lattice ordered groups 2−13363
relative compactness of families of distributions of semimartingales 2−24126
Riccati equations class in Hilbert space 2−8583
Riemannian manifold with normal vectorial field, submanifolds *(French)* 2−13508
rings, on special radicals, supernilpotent radicals and weakly homomorphically closed classes 2−8615
Room cubes, spectrum 2−24156
satisficing process from the perspective of extended topology 2−8448
self dual codes and group of automorphisms of certain algebra *(French)* 2−24151
semiconvex geometry 2−335
semimodular lattice, embeddability condition *(French)* 2−24150
separation axioms weaker than pairwise Hausdorff 2−19178
serre classes for toposes 2−13531
set-valued maps, fixed point theorems 2−19226
similarity motions in E_3 with plane trajectories 2−19152
smooth maps between Frechet spaces and manifolds *(French)* 2−13372
Sperner's lemma appl. to matroids 2−19162
stable Banach space properties *(French)* 2−13515
stable Banach spaces *(French)* 2−13518
starlike functions, fixed coefficients for subclasses 2−13574
stochastic differential equations with discontinuous sample paths 2−24268
stochastic parabolic variational inequalities, existence 2−13491
stochastic processes, trajectory estimation with infinite variance 2−19144
Stone-Cech compactification in the category of fuzzy topological spaces 2−8603
strong upper semicontinuity and adherent filters *(French)* 2−19156
subspaces of sequential spaces *(Russian)* 2−13546
summability of sequences of random variables 2−19124
summing operators in Banach spaces 2−24186
tests of phylogenetic hypotheses under generalized models 2−4874
torsion foliation associated with immersion and study of submanifolds whose relative nullity is constant *(French)* 2−24140
torsion foliations associated with immersion and study of sub-manifolds whose relative nullity is constant *(French)* 2−19153
tubes, finite flexural deformation solution by general parameter mapping 2−19094
uniform algebraic approximation/ of shift and multiplication operators/ *(Russian)* 2−313
uniform paracompactness 2−4879
upper radicals and essential ideals 2−332
valued vector spaces, torsion product 2−13572

torque
aircraft induction motors with unstable supply freq., operating feature and static/dynamic characts. 2−27927
asynchronous performance of a modern reluctance machine 2−23281
characteristics of an asynchronized synchronous generator 2−27891
components of synchronising and damping torques in a micro-machine system 2−4092
composite rotor induction motor, charact. and torque coeff. *(Japanese)* 2−4134
condition for torque compensation of a superconducting excitation winding in high-power slow-running motors *(Russian)* 2−27892
current and torque stresses in synchronous machines/ due to sequential out-of-phase synchronizing 2−4056
electric machine rotor torque distribution calc. 2−13187
electromagnetic, 6-phase synchronous generators, analysis 2−18179
electromagnetic torque on axially symmetric rotating metal cylinders and spheres 2−6289
electronic motor aptitude for high regulation range DC drives, torque pulsations *(German)* 2−28144
frequency-controlled induction machine torque charact. adjustment by supply voltage charges, comments *(Slovenian)* 2−18218
geometry determination for one phase synchronous motors/ with claws 2−4255
hybrid and VR small-angle steppers, pros and cons 2−12682
hypocycloidal reluctance motor, high torque low speed appls. 2−12610
induction motor, single phase, reluctance start, theory 2−4128

torque continued
induction motor characteristics frequency calc. and torque variations when incorporated into fixed voltage and frequency network *(German)* 2—23292
induction motor starting, transient torque establishment and resulting stresses for constant and variable slip *(Italian)* 2—12639
induction motors invertor fed, losses due to harmonics *(German)* 2—4115
induction motors with saturated leakage iron path, torque-speed charact. calc. method *(Italian)* 2—27906
interleaved disc reluctance motor torque parametric study 2—4067
investigation of rotational nonuniformity in contactless DC motors 2—4218
Law's relay operation principles 2—12754
mathematical modelling of AC-type hybrid step motor 2—4253
miniature motors and motor-generators, manuf., influence of starting torque 2—4248
optimal winding design of a permanent magnet motor for self-controlled inverter operation 2—7821
oscillating torques of inverter fed asynchronous motor with pulsating intermediate circuit current *(German)* 2—27903
performance analysis of a DC drive electromechanical system with elastic coupling and pulsating load torque 2—23664
permanent magnet synchronous doubly-salient couplers, charact. prediction 2—12629
reluctance motor with identical double slotting, static mean torque calc. 2—4065
rolling mill drive tuning to minimise dynamic torques 2—8102
rotational motion of the short-stator in the single-sided linear induction motor/ 2—4158
squirrel cage induction motors, performance versus efficiency 2—12645
squirrel-cage induction motors, basic voltage and torque eqns., allowing for all MMF and permeance harmonics 2—27902
squirrel-cage motor, frequency controlled, design calc. *(Russian)* 2—4144
starpoint commutated current fed induction motor, commutation anal. 2—4176
superconducting AC generator digital simulation 2—7834
superconducting gyroscope, cryogenic gas spin-up system 2—20607
synchronous generator transient charact. model 2—4088
synchronous machines, saturated, EM torque by finite element field calcs. 2—18183
synchronous motors, dual-excited, round rotor-type, asynchronous starting charact. 2—7817
synchronous motors, high speed, torsional coordination 2—18185
synchronous motors, with laminated and solid iron poles, high speed, torsional coordination 2—18184
transient torques and stresses due to switchover of induction motor power supplies 2—7857
variable-reluctance stepping motor nonlinear programming design 2—23323
VR, three phase, bipolor-drive, static torque formula and torque-angle charact. derivation 2—12681

torque control
creep-controlled wheelsets for high-speed bogies by using controlled torque transmission between wheels 2—13037
current controlled invertor fed induction motor performance anal. 2—4177
current inverter for cage rotor induction motor torque and speed control via thyristors *(German)* 2—8968
current source invertor driven induction motor flux control method 2—4180
cycloconvertor driven, induction motor performance anal. 2—4171
cycloconvertor driven, induction motor performance anal. 2—4172
invertor driven induction motor, performance anal. 2—4167
invertor driven induction motor, PWM performance anal. 2—4166
invertor driven induction motor, PWM performance anal. 2—4168
invertor driven induction motor, PWM performance anal. 2—4169
invertor driven induction motor, PWM performance anal. 2—4170
invertor driven squirrel-cage induction motor, PWM performance anal. 2—4173
nonsinusoidal current source invertor fed, synchronous motor, performance anal. 2—18208
open winding microprocessor-based invertor fed, synchronous motor, performance anal. 2—18209
rotating electric machine, method 2—3282
self-controlled synchronous motor without shaft positions sensor, starting operation 2—12634
step motor selection parameters, appl. with open and closed loop digital control systems 2—4247
stepping motor microprocessor based speed and torque control system 2—23326
traction drives, torque controller using voltage source invertor and induction machine 2—18663
voltage source invertors for fast four-quadrant drive performance, rotating reference frame controller 2—18659
wrenches, monitoring device *(Russian)* 2—26967

torque measurement
see also dynamometers
ballistic vehicle heatshield testing, reentry roll torque meas. using skin friction balance 2—22628
dynamic angular accel. and torque measurement methods *(German)* 2—22399
moving-iron meters sensitivity increase 2—7128
non-contact meas. transmission in industry *(German)* 2—22400
noncontacting torque sensor 2—26838
regenerative dynamometer system for engine testbed 2—22210
rotating electric machine, method 2—3282
steel manufacture, torque monitoring increases primary mill productivity 2—11629
wrenches, method and device *(Russian)* 2—26967

torque meters *see torquemeters*

torque motors
electrohydraulic servovalve modelling *(French)* 2—7959

torquemeters
automobile electronic torquemeter, appl. *(German)* 2—23717
cassette torque meters *(German)* 2—3209
DC torquer-tachometer, integrally-wound, electromagnetic coupling problems and application 2—18285
LC self-excited oscillators charact. upgrading 2—14003

total energy systems
industrial waste heat utilisation, lost effectiveness *(German)* 2—27740

total energy systems continued
Sol-Temp system, total energy solar collector for buildings 2—8099
total energy district heating and cooling in Reggio Emilia, Italy 2—23149

touch *see mechanoception*

towers *see poles and towers*

town and country planning
city centre high-load-density distribution systems evaluation 2—17713
forest biomass inventory, productivity and availability 2—17803

Townsend coefficient *see Townsend discharge*

Townsend discharge
olefin vapours, mono- and cyclo-, electrical ionization and breakdown 2—25373
N_2/NO gas mixtures, effects on Townsend discharge stabiity *(Korean)* 2—14550

tracers
see also radioactive tracers
isodose curve tracer, behaviour anal. and expt. check 2—11971

track visualisation, particle *see particle track visualisation*

tracking
see also radar
Cassegrain antenna, erected in Leeheim, with switchover feeder system *(German)* 2—6369
clouds automatic tracking technique, appl. to GOES and METEOSAT obs. 2—7435
intersatellite links, tracking antennas for 22/33 GHz bands 2—6379
passive array meas., applns. to source localization and tracking 2—21856
phase and frequency coherency in fading environment in tracking and data relay satellites 2—16452
photooptical range instrumentation, review 2—7063
radio location and modern radar developments *(German)* 2—16496
rocket launching operations computer control of radar tracking, attitude, satellite injection and range safety surveillance *(Japanese)* 2—3573
secondary processing optimal algorithms and ccts. 2—2352
three-dimensional motion parameters of rigid planar patch, estimation 2—15947
triangulation in systems with unknown deterministic biases, using three bearing method 2—22612
two-channel Costas loop tracking performance for UQPSK signals with arbitrary data formats 2—2230
unbalanced QPSK signals, polarity-type Costas loop, carrier tracking performance at low S/N ratio 2—2293
underwater acoustic electro-ceramic projector radiated pressure control by state variable feedback 2—27316
visual tracking in stereo by computer vision system using TV cameras 2—10724

tracking (insulation) *see surface discharges*

tracking (sonar) *see sonar*

tracking systems
see also ground support systems; radar systems
adaptive correlation regions for alpha-beta tracking filters 2—21861
adaptive low-angle tracking system for surfaces with unknown multipath refl. props., antenna design, simulation 2—2825
advanced imaging quad cell tracker 2—2839
Air Force Satellite Control Facility, data systems modernisation program 2—11034
Air Force Satellite Control Facility 2—11027
air traffic computer control, development trends *(Italian)* 2—3571
air traffic control systems, air situation image building by tracking independently sampled radar measurements 2—22708
analog tracking filter for a swept-sine human vibration test 2—22532
antennas for tracking telemetry instrumented airborne vehicles, selection criteria 2—10822
automated remote tracking system config. for tracking of Florida manatee 2—27112
clock synchronisation technique, for tracking and controlling deep space probes 2—12049
filmed radar echoes, automated tracking using PEPR system 2—21866
filters closed-form solutions 2—21854
frequency line tracker for US Navy passive tracking algorithm program, Bayesian approach 2—26557
hydroacoustic position reference system with a narrow beam tracking transducer 2—26545
L-band tracking radar system,, for rocket acquisition and operation *(Japanese)* 2—16494
land vehicles, terrestrial Loran-C appl. 2—16505
Loran-C system appl., time scales comparison 2—3239
mini-tracer system for buoy tracking and position monitoring 2—21877
mirror track radar antenna time optimal control implementation 2—16503
optical target tracking, probabilistic approach 2—10704
photovoltaic solar generator, control circuit for max. power point tracking system *(Spanish)* 2—4348
pointing system modeling for performance prediction of spacecraft 2—17470
satellite tracking facilities, orbit determ. accuracy assessment 2—27259
satellite transmission services monitoring *(German)* 2—10961
satellites tracking and control system, Japanese NASDA developments 2—22594
scan actuator subassembly for Galileo project 2—17493
simulated ILS using laser tracker 2—22626
sonar, beam amplitude tracking using closed loop methods 2—26559
sonar, coherent frequency-bearing tracker based on Kalman filter theory 2—26558
sonar for acoustic tags position tracking, for fisheries research 2—26544
space based laser communications, tracking and fine pointing control 2—16455
Spaceflight Tracking and Data Network, evolution 2—12050
spaceflight tracking and data network, NASA, evolution and future 2—17537
TDRS satellite, tracking and data relay, spacecraft and telecommunication payload 2—17451
TDRSS, role in tracking and data acquisition 2—11040
TDRSS, system performance 2—11041
TDRSS ground segment implementation 2—11042
tracking-and-data-relay-satellite spacecraft, telecommunication payload 2—11979
Usingen satellite station, remote controlled antenna adaption for Intelsat system *(German)* 2—6371

tracking systems continued
video tracking, distributed parameter system regulator design 2−15958
weather satellites earth station, low orbit and geostationary orbits appl. 2−27272

traction
3-phase current technique state-of-the-art survey in Germany and world-wide *(German)* 2−23677
3-phase synchronous and asynchronous drives for German and international railways, state-of-the-art *(German)* 2−18669
AC railway operating thyristor-controlled traction units, meas. and statistical anal. of interference 2−13032
AC traction, disturbance checks by electricity boards 2−13031
APT-P traction power electronic control, design and operation 2−13026
Austrian State Railways power supplies and means of electrical traction, advantages over other forms of land transport *(German)* 2−23676
automated guideway transit system propulsion 2−18706
British Rail APT-P project, brake electronics test apparatus and traction electronics ATE 2−18703
British Rail electronic equip. for traction and rolling stock, design, maintenance and repair 2−16911
computer modelling of chopper controlled DC machines 2−4220
controlled rectifier driven asynchronous railway traction motors, computer aided determination of harmonics *(German)* 2−4424
DC chopper regulator construction, functions and operation for railway electric drives *(German)* 2−23368
DC circuits with inductive load, magnetically controlled contacts, performance investigation *(Russian)* 2−28059
DC power supply system with inverting substations for traction systems using regenerative brakes 2−28174
DC traction machines, noncompensated, magnetic circuit stray losses calc. *(Polish)* 2−4215
DC traction motor service reliability experience 2−7866
design and performance of DC chopper circuits used with DC traction motors 2−28034
developments in rectifier equipment for railway traction substations 2−28000
diesel-electric locomotives, main generator flashover anal. 2−4432
discharge process of a lead-acid battery in an electric vehicle 2−4330
effects of constant current/constant voltage charge parameters on lead acid traction cell performance 2−12808
electric drive electronic systems parametric reliability anal. by nonlinear physical modelling 2−28196
electric equipment of traction electric drives for new diesel locomotives, design 2−4426
electric traction network in Poland, expansion from 1976 to 1980 and future developments *(Polish)* 2−13007
electric traction rolling stock electrical equipment post-war development *(Polish)* 2−28175
electric train, resistor braking, thyristor pulse convertor *(Russian)* 2−18678
electric vehicle, acceleration, torque-speed characteristics, evaluation method *(Russian)* 2−23685
electric vehicles operating performance technical relationships, running dynamics and programmed braking *(German)* 2−28184
electrification, world-wide, state-of-the-art *(Italian)* 2−28161
electrification improvement programme of New Jersey Transit 2−18684
electronic systems for traction drives, parametric reliability appraisal by means of nonlinear physical modelling *(Russian)* 2−23675
German Federal Railways, electric operation in 1981 *(German)* 2−28162
improvement of power performance of multirange rectifiers with artificial commutation *(Russian)* 2−23360
induction drives for urban railways, using transistor-invertor system 2−8042
interleaved disc reluctance motor torque parametric study 2−4067
invertor driven induction motor, equivalent circuit and performance calc. 2−7849
Japanese railways, power electronics traction systems, interference problems 2−13034
light rail systems for public transport in cities and towns 2−23673
linear synchronous homopolar motor magnetic field calc. finite element model 2−12618
low-power traction drives using DC disc-armature motors 2−18647
LV motor insulation meas. using partial discharge instrum. *(Japanese)* 2−4036
microwave Doppler, radar for meas. of velocity and distance of traction vehicles 2−16502
multiphase silicon convertors control algorithm for long distance traction vehicles *(Polish)* 2−28176
overlooking obvious errors in design or production testing 2−8248
Paris-South-East line, electrical installations *(German)* 2−12985
Pendair low cost rapid transit system, characts. 2−18679
pulse-controlled series-wound traction motor, current mean values determ. in thyristor convertor *(Russian)* 2−12992
PWM power transistor invertor for AC elec. vehicle drive, computerised controlled 2−18351
rapid transit systems, propulsion system with power electronics, AC- and DC-drives 2−18708
recent developments in thyristor-chopper technology 2−7920
ring sparking on the commutators of traction motors *(Russian)* 2−27936
rolling resistance, of wheels, on undulated soft ground, elec. automatic meas. *(Japanese)* 2−3056
rotor-position-controlled permanent magnet synchronous machines for electrical vehicles 2−23279
selection of permanent magnet material in axial-field electric vehicle traction motors 2−13015
semiconductor traction substations, mining distribution network overloads, operational effects *(Russian)* 2−27476
single phase traction drive with solid rotor induction motor and synchronous phase convertor 2−12991
squirrel cage motor traction using a microprocessor controlled transistor inverter 2−13027
static and dynamic behaviour of an AC supplied traction drive 2−4400
substation, operation of twelve-pulse rectifiers *(Russian)* 2−28013
substations, unattended, automatic control 2−8043
TGV trains, electrical units concept and characts. *(German)* 2−12984
three phase Simotrac drives for Rheinbahn's B80D trams 2−28183
three-winding traction transformer voltage symmetrification *(Russian)* 2−18289
thyristor controlled traction effect on 25 kV 50 Hz electrification systems 2−13030

traction continued
torque controller using voltage source invertor and induction machine 2−18663
variable freq. invertor fed, performance anal. 2−4186
vehicle traction cycloconvertor driven induction motor performance anal. 2−4194

traction current collection
see also pantographs
Berlin underground conductor rail installations with Al compound rail tests and efficiency *(German)* 2−28163
electric locomotives thyristor driven DC motor K580 microprocessor-based current control *(Russian)* 2−4404
overhead contact line/current collector system economically oriented quality criterion *(German)* 2−23712

traction diesel electric engines *see diesel-electric locomotives*

tractive effort *see traction*

trade *see commerce*

trade fairs *see exhibitions*

trade shows *see exhibitions*

traffic
see also rail traffic; road traffic; telecommunication traffic
computer appl. in math. statistics *(Croatian)* 2−19141
flow sensor for automobile traffic, photoelectric sensor *(Japanese)* 2−3124
microwave moving target indicator, used for miniature traffic radar *(German)* 2−26526

traffic computer control
see also air traffic computer control
Genoa railway district control centre, advanced-computer system for rail automation 2−18701
Gotthard road tunnel automation and control system using process computers 2−23777
microcomputer-based control of rail vehicles, W.Germany *(German)* 2−28173
railways, computer-based continuous train control system 2−18699
railways, signalling monitoring and control *(French)* 2−23697
road traffic automation, digital integrated telecommunication system decomposition 2−16191
System S2, transmission system for railway network control 2−18698
telecontrol operator system for railway power networks 2−18702
train describer systems and remote control display, system integration 2−18700

traffic control
see also air traffic control; traffic computer control
acoustic traffic signals *(Czech)* 2−12117
fail-safe speed sensor for London Transport automatic trains 2−12990
high-speed Paris-South West line, traffic control and points switching centre *(French)* 2−23701
Hong Kong subway, telecom. facilities for passenger flow control 2−10790
railways, fail safe signalling and electronic systems 2−18693
tram monitoring, radio-operated, for real-time control of traffic lights *(German)* 2−2680
U 700 system, VHF equipment for traffic control *(German)* 2−16386
Vienna underground railway, safety systems 2−8235

traffic control systems *see traffic control*

traffic recording
see also telephone traffic recording
Automatic Vehicle Identification transponder using single microwave carrier, MIC realisation 2−21813
flow sensor, computerised, using photoelectric converting elements *(Japanese)* 2−16798

traffic restrictions *see traffic control*

training
see also education; teaching
advanced dispatcher training simulator, digital computer-based 2−22828
amateur radio, Home Office Radio Amateur's Exam., technical requirements 2−6884
ATC controller, simulated target generation, for ATC systems testing 2−12046
ATE self-training facilities 2−22150
BBC engineering management 2−21906
boiler operating equipment availability improvement 2−18013
British Telecom's apprentice training scheme for technicians, description 2−13173
broadcast TV engineers 2−26585
CANDU simulators, instructor facility tools to evaluate trainee performance 2−23034
circuitry and electronic measurement in laboratory *(German)* 2−13195
computer generated images, used for simulators, training aids *(French)* 2−11986
electric accidents and first aid *(German)* 2−18946
electrical engineer training for the future 2−13177
electrical installation theory and practice, book 2−46
electrical training at Jarvenpaa vocational course centre *(Finnish)* 2−18880
electronic equipment manufacture, static awareness, operator training 2−13275
electronic warfare training using radar EM interference environment, simulators 2−26531
electronics engineers, training for leadership 2−13176
electronics skill shortage increases industry's problems in Britain 2−18941
EMC, design personnel training 2−26001
engineering, academic vs. practical debate, screening technique appl. 2−4583
EPRI Nondestructive Evaluation Centre, for nuclear power industry facilities 2−18968
fault diagnosis in maintenance tasks, Adaptive Computer Training System 2−18909
Finlands electricity supply industry personnel development for improved performance and cooperation skills *(Finnish)* 2−18881
flight simulators for pilot training, use of hydraulic servos 2−22609
general-purpose system for simulating and training complex diagnosis and troubleshooting tasks 2−18908
human detection and diagnosis of failures, conf., Roskilde, Denmark (Aug. 1980) 2−18961
industrial regulatory compliance test teams, EMC effects on digital equipment appl. 2−26002
information delivery potential of CAI, CMI and maintenance aiding 2−4590

training continued
IR system operator, w.r.t. standards 2−24
large scale training games, design method 2−4747
microelectronics, advanced training courses 2−13208
microelectronics engineers, manpower shortage problems 2−8173
microelectronics laboratory course using videotapes to increase flexibility and individualisation 2−8171
microprocessor-controlled nuclear steam supply system simulator for evaluation and training 2−17914
Morse code, aids to learning 2−23914
MOS transistor technology simulation *(German)* 2−14526
nuclear control room man-machine interface advancement 2−17877
nuclear power engineers, at Czechoslovak technical universities *(Slovak)* 2−13174
nuclear power generation developments and staff training educational programme in Yugoslavia *(Croatian)* 2−27621
nuclear power plant safety, human factor considerations *(French)* 2−23056
nuclear power plant training simulators 2−23035
nuclear power plants, Nordic cooperation project on man machine communication 2−7637
nuclear power station, Swiss programme *(German)* 2−23005
nuclear power station technical staff training 2−3851
nuclear reactor operator training, full-scope simulators by British CEGB 2−23044
Oulu University, northern Finland, electrical engineering training 2−23903
PC boards, manufacturers QC procedures including training programmes 2−24791
PCB assembly line maintenance, selection and training of technical staff 2−14498
PCB technology 2−14438
postgraduate training for professional engineers at Budapest Technical University *(Hungarian)* 2−13190
power station simulator for training operators, Soviet Union 2−12322
power system simulator for load dispatcher, discrete dynamic model 2−12172
power system simulator for training of dispatchers, functional requirements 2−3721
printed wiring assembly manufacture, production line operator training 2−14493
problem diagnosis training, role of computers 2−18907
quality assurance system built up on Japanese model *(German)* 2−19029
Quality Control Circle programs: what works and what doesn't, supervisory training 2−4675
radio equipment maintenance technicians 2−10954
SCAT, System Control Analysis and Training tool for communications networks 2−18910
small electric motor designers, development in USA 2−26
soldered connection reliability, training programme for assemblers and inspectors 2−13206
soldering training course for technicians working on high reliability equipment 2−23
some thoughts on a learning, producing and earning system for the training of technology for development 2−8169
Spacelab I mission, payload specialist selection and training 2−13203
system design approach to course design 2−13207
TEC Unit Radio Systems 2, telecommunication textbook 2−23921
TEC Unit U76/361, Electrical and Electronic Applications 2, textbook 2−23920
technical aid project in developing country, case study 2−8204
technology for development, less developed countries and Australian engineering schools for training engineers 2−8170
telecommunication network installation in Middle East countries, user problems in testing, interfaces, climatic conditions and training of staff 2−6511
telecommunications industry, manufacturer's point of view 2−13192
telecommunications organisation information transfer systems standardization *(German)* 2−21414
telephone exchange operator training for Traffic Service Position System No.1, microprocessor-controlled equipment 2−8162
thermography personnel, Canadian experience 2−25
transfer of technical training across cultural barriers in the building industry 2−8168
Triffid, UK-TRC471 military radio system 2−10978
weapon delivery simulation, with airborne data acquisition and ground-based processing 2−17496

tramcars *see road vehicles*

transceivers
2 m band, IC 2 series 2−26429
2m amateur band FM power amplifier for use with fixed/mobile transceivers 2−21729
10 GHz amateur band, SSB generation and use 2−16376
active audio filter, G4BWE, bandwidth and centre freq. adjustment, transceiver appls. 2−24603
AM Archer Space Patrol, modification to produce short range 6 m operation 2−26430
analogue switches, advantages over digital transceivers for data paths 2−14342
CB 27 MHz FM receiver, speech processor 2−6777
CB hand-portable transceiver, PE Ranger 27FM, construction 2−6776
CB PE Ranger low pass RF filter, tests, adjustment, alignment 2−21757
CW and RTTY video terminal 2−26398
Drake T-4XC and R-4C, improved spot function in SSB and CW modes using vacuum relay QSK 2−21748
Drake TR7 HF transceiver/, equipment review 2−2712
'EXE' microwave transceiver. III, construction details for IF section 2−6780
FT7 antenna matching procedures, amateur radio appl. 2−16341
hand-held VHF/FM transceiver power supply 2−26431
HF all-band general-coverage transceiver 2−26581
HF packset receiver-transmitter using direct conversion 2−16400
Jaguar V frequency hopping radio 2−16399
microwave, PW Exe, AEI Doppler Module as oscillator, constr. 2−6745
military, Jaguar V frequency-hopping radio 2−2707
mobile radio, digital, narrow-band 2−11005
multimode 430 to 440 MHz band, IC-451E appl. 2−6746
optoelectronic transceiver for signal transmission by diffuse radiation, design and performance *(German)* 2−6828
PE Ranger 27FM CB transceiver, calibration tests 2−26444

transceivers continued
Ptarmigan electronic teleprinter and facsimile transceiver terminals, appls. 2−21754
PW Exe microwave transceiver, IF alignment 2−16393
PW Stour, power amplifier board constr. 2−6779
PW Stour top-band transceiver, variable frequency oscillator and filter boards 2−16366
radar equipment, autodyne, relationship between sensitivity and range of operation and radar parameters 2−11112
receive convertor cct, 70 cm/2 m, amateur radio appl. 2−21736
Scimitar family of combat net radios 2−21749
SSB, portable, for VHF land mobile band 2−16404
SSB 10.7 MHz IF crystal filter for CB transceivers using integrated capacitor cct. 2−5868
SSB mains power supply in compact three-purpose unit *(German)* 2−8973
SSB-transceiver module using Plessey SL 600 ICs *(German)* 2−10992
'STOUR' top-band transceiver. IV 2−6781
test sets, automatic settings and firmware routines 2−16808
Trio TS-830S HF SSB transceiver 2−6782
TV rebroadcast receiver HE 7000 *(German)* 2−11170
U 700 system, VHF equipment for traffic control *(German)* 2−16386
UR 050 VHF FM receiver/transmitter 2−26442
VHF CW add-on for SSB or FM, VOX facility for transceiver, key or microphone input 2−10982
VHF mobile and handportable transceivers, SSB modulation appl. 2−2704
VHF/UHF antenna design trends 2−26432
voice frequency oscillator board construction, PW Stour transceiver 2−21739
Yaesu FT221R, FT225RD, variable power output in SSB mode 2−26392
Yaesu FT-207R, dupl. battery charging cct. 2−21747
Ni-Cd cell operation, amateur radio appl. 2−6739

transducers
see also accelerometers; acoustic transducers; actuators; extensometers; Hall effect transducers; piezoelectric transducers; pressure transducers; strain gauges
active bridge, comparison with Wheatstone bridge *(German)* 2−17043
amorphous magnetic materials, electronics appls. 2−20482
amorphous magnetic materials appl. in electronics 2−15138
amperometric, thin-layer, chromotography and flow-injection systems appl. 2−3122
analogue, transfer functions *(Russian)* 2−8231
analogue components 2−14900
analogue for transients meas., error correction algorithm 2−26843
automatic defectoscopy for radiator tubes for the Moskvich automobile *(Russian)* 2−26824
automobile industry research, Ford's developments 2−28204
average temperature transducer using amorphous magnetic tape 2−16936
bolometric, SHF power and noise spectral power density standards comparison 2−6983
boundary layer, for flow meas. over helicopter rotor blades, wind tunnel tests 2−12006
bridge instrument, self-balancing, charact. 2−26898
broken-line approximation of conversion functions of metering transducers *(Russian)* 2−3144
calibration data evaluation, transducers and measuring instruments *(Hungarian)* 2−11318
capacitive, analogue output converter 2−9193
capacitive, for variable pressure meas., improved connection to bridge 2−16950
capacitive convertors, partial capacitance calc. *(Russian)* 2−11436
capacitive transducers, multi-terminal, survey of theoretical background 2−22252
commercial types, for temp., humidity, level and pressure meas. *(Dutch)* 2−11432
complex waves shapes, observation triggered delay appl. *(Spanish)* 2−22309
computerised, theory and trends 2−26696
consumption of diesel oil in automobile engines, electronic measurement *(Hungarian)* 2−23720
current to voltage for low acoustic frequencies, design and calibration *(Italian)* 2−7073
current-biased transducer with linear response 2−11435
differential transformer transducers, linearisation using digital techniques *(Dutch)* 2−26829
digital displacement transducer using pseudo-random binary sequences and a microprocessor 2−22261
dynamic error in measurement transducers *(Russian)* 2−16941
eddy current for machine tool flatness control 2−23832
eddy current transducer signal, computation accuracy improvement 2−3136
electrical, technology and appl. 2−3145
electrodynamic transducer, feedback appl. *(German)* 2−16964
electromagnetically compensating weighing cell *(German)* 2−11477
electromechanical sensors, development trends 2−26814
electromechanical transducers, amplitude of oscillations, laser instrument for meas. 2−26821
electronic temperature-sensitive transducers ccts. 2−26831
elongation of strip materials meas., industrial transducers design 2−16951
EM flow transducer, dynamic charact. estimate 2−16958
EM movement detector for internal organs, use of circular planar coil 2−27148
energy management in power systems using electronic power transducers 2−7588
for extreme temperatures and pressures 2−3126
ferromagnetic thin-film magnetoresistive transducers 2−26815
fibre-optic sensor/transducer components, appls. *(Italian)* 2−20636
flat electrically conducting samples, transducer operation anal. with contact excitation in fatigue tests 2−635
flow-type, gas streams dust content meas. 2−16948
fluid force acting on accelerating cylinder, use of force transducer for meas., electronic compensation 2−3297
force transducers, three-dimens., calibration equipment design *(Chinese)* 2−16947
frequency-voltage transducer, working principle and electronic circuit *(Rumanian)* 2−16960
gas-liquid mixture meas., local gas content determ. 2−17175
induction-parametric, from electric field intensity meas. 2−3125
inductive, input bridge circuit parameter effect on linear meas. error 2−16954

transducers continued
inductive speed transducer for angular velocity measurement 2−22248
industrial appls. in humidity, gas velocity, level, pressure, acceleration, motion, and position measurement *(German)* 2−3294
integrated optical force and stress sensor 2−7078
integrated semiconductor sensors *(Japanese)* 2−11489
integrated sensors, Si chips containing both sensors and circuitry 2−16935
interference origin and suppression, earthing methods *(German)* 2−3114
liquid crystal devices appl. 2−22263
liquid level vibratory process control transducers, flexural vibr, freq. dependent on level 2−16928
magnetostrictive, effect of induction component on magnetostrictive const. determ. 2−1578
measurement, control and evaluation of cryothermal test with a large IBM computer 2−22425
measurement charact. improvement *(Russian)* 2−3143
measurement transducers...past, present and future 2−3111
measuring transducers, for electric variables measurement *(Slovenian)* 2−11437
microprocessor-based, charact. *(German)* 2−11475
moisture meas., MOS device for AC meas. of surface impedance 2−22239
motion measurement with the magnetic field sensor *(German)* 2−16931
multi-point measurements using the type UPH3200 data multiplexer with fixed program microprocessor or flexible program computer *(German)* 2−16812
multilayer eddy-current transducer, approx. performance calc. method 2−3135
optoacoustic, multilayer planar design, resolution calc. 2−6070
optoacoustic IR detector system *(German)* 2−26861
parametric synthesis of current measuring transducers *(Russian)* 2−3142
passive telemetry using simple optical transducers with fibre-optic links 2−16487
pFM-PAM multiplier of AC transducer *(Russian)* 2−26823
photoelectric, semiconductor, temp. effects and their elimination, reflection-photoplethysmography appl. 2−1798
physiological microcomputer-based time interval meas. 2−26971
planar transistor mag. induction transducers 2−22243
pressure, force, acceleration, torque transducers, charact. 2−3112
pseudoactive bridge for separation for R and C in a practical capactive/conductive transducer 2−3217
pulsed radiation, energy measurement using homogeneous thermoelastic transducer *(Russian)* 2−22275
railway contact network voltage monitoring during faults, use of transducer *(Russian)* 2−26816
reference information on optical, magnetic, pressure, and capacitive transducer 2−7085
resistive, accurate op-amp bridge 2−11474
resistivity, four-probe, meas. charact. checking 2−26828
resonant magnetic probes, narrowband, inductance optimisation of induction transducers with ferromag. cores *(Russian)* 2−22254
rocket fuel burning meas., transducer test data evaluation with computer graphics 2−3547
self-oscillating meters with Λ-diodes, design 2−26827
sensors, their role in electronic communications *(Japanese)* 2−11445
servo-components design and build for use in hostile environments 2−12677
shock parameters meas. with noncontacting fibre optic lever vibration transducers 2−11444
solid-state input and output, three-dimensional representation 2−11430
standardized transducer with AC input *(Bulgarian)* 2−26817
tactile sensing, 1981 state-of-art survey and future outlook 2−11433
temperature, linearity improvement *(Russian)* 2−3128
thermocouples and other electric transducer devices, apparatus for rapid determ. of time constant *(Italian)* 2−7077
thin film for moisture meas., charact. 2−7072
transducers, instruments and measurements in the process industries 2−26813
transient processes, charact. 2−26799
velocity transducer 2−22246
vibration measurement devices, anal. of errors *(Russian)* 2−22247
vibrotransducer, miniature capacitive, for PCB mechanical oscill. amplitude meas. *(Russian)* 2−26833
weighscale for dusty, powder materials *(Russian)* 2−26826
well-type flow-rate meters, with turbine transducers 2−16957
wheel speed transducer and slip/slide measuring system for traction vehicle 2−16969
AlO_2 capacitor type humidity transducer, technical details and performance *(German)* 2−17183
O_2 sensor, oscillatory mode 2−22430
Si micro-transducers, review of research work 2−22250
p-Si, piezoresistance effect nonlinearity of diffused layers 2−20062

transductors *see saturable core reactors*

transfer functions
see also optical transfer function
active filter design and anal., state-space approach 2−5281
active filter low-pass to band-pass linear transformation 2−14207
analogue transducers maintenance *(Russian)* 2−8231
arbitrary-phase polynomials generated by recurrence formulae, used for filter transfer functions 2−8938
asynchronous machine, static convertor-fed, current regulation, soln. 2−4121
biquadratic transfer functions, realisation using RC building block with optimal sensitivity 2−14205
Cauer II type passive RC ladder multiport, matrix transfer function realisation via state-space approach 2−674
Chebyshev active filters using operational amplifiers *(Czech)* 2−5289
circuit time response calculation from poles and zeros, TI-59 program 2−13911
data signal correl. anal. for attenuation and group delay calc. *(German)* 2−10682
DC pulse-width convertors, transfer functions, voltage regulation *(Russian)* 2−18320
digital all-pass transfer function with all possible coefficient combinations 2−19798
digital filters, recursive 2-D, symmetry exploitation in design and imple mentation 2−6431
equivalent Cauer-type canonic ladder networks generation 2−5270
filter, speech signal detection in RC Gaussian noise *(Croatian)* 2−10665

transfer functions continued
IIR maximally flat group delay low-pass digital filters with flat passband 2−19806
IIR Nyquist filter with zero intersymbol interference, freq. response approximation 2−24611
induction motor triac speed control, PLL techniques and transfer functions 2−4185
inductorless current conveyor allpass filter using grounded capacitors 2−24590
least-squares magnitude filters with self-equalised delay characteristic 2−9136
linear time invariant causal digital filters, transfer function from real part on unit circle 2−24617
magneto-hydrodynamic angular velocity sensor *(Russian)* 2−16944
multiple amplfier active RC biquadratic sections, using op. amps. f or active filters 2−9147
multivariable function half-plane analyticity and positive realness 2−5056
network transfer function determ. from amplitude response squared 2−19513
nuclear power plants under seismic loads, dynamic anal. with finite elements 2−12355
on-line load forecasting for energy control centre appl. 2−22862
optimally guided EM interactions, with two level waves and lasers *(Croatian)* 2−10178
optoelectronic noncontacting potentiometer, frequency range extension *(Russian)* 2−1775
partially coherent synthetic aperture radar system 2−16507
phase filter synthesis, cascade phase-sensitive detector 2−14199
PLLs with integrating and non-integrating loop filters for timing recovery in repeater chains 2−19594
polynomials orders reducing, meas. and control theory appl. 2−16758
power transformers, single-phase, state model and transient anal. 2−27978
programmable state-variable active biquads 2−14210
random sonobuoy array statistical props. and beam patterns 2−27310
RC-active filters with nonideal single amplifier, HF charact. 2−24588
recursive digital filter, new class of very low sensitivity and low roundoff noise structs. 2−19795
recursive digital low-pass filters with predetermined phase or group delay and Chebyshev stopband attenuation 2−5291
second order networks, selectivity criterion *(Russian)* 2−19494
second-order active filters using HF amplifiers 2−14209
selective filters with equalised passband group delay response, transfer functions determ. 2−19761
static and dynamic behaviour anal. using digital computer *(German)* 2−23783
switched-capacitor filters, influence of operational amplifiers 2−680
switched-capacitor filters, performance 2−24379
switched-capacitor filters synthesis 2−8963
switched-capacitor networks, frequency-domain anal. using continuous-time two-port equivalents 2−5076
switched-capacitor networks synthesis using state model *(Slovak)* 2−24381
symbolic network analysis, database for generating transfer functions 2−5069
synchronous machine brushless exciter, calc. 2−18197
three-phase voltage controlled invertor driven induction motor, performance anal. 2−4179
tolerance analysis of integrated analog filters *(German)* 2−5279
transfer function construction with prescribed phase and amplitude charact. 2−24585
trimmed distributed RC networks, pole-zero locations, and appl. to low pass active filters 2−24598
two-dimensional digital fan filter design 2−9158
two-loop regulator for beam energy stabilisation in FN tandem accelerator 2−11743
two-variable approach/ to the model reduction problem/ with Hankel norm criterion/, all-pass rational function determ. 2−655
UHF urban radio channel, stochastic model 2−10993
voltage transfer function shift theorem 2−652
X-ray film/screen systems, modulation transfer function, math. modelling 2−17315

transferred electron devices *see Gunn devices*

transferred electron effects *see Gunn effect*

transferred electron oscillators *see Gunn oscillators*

transfluxors *see magnetic cores*

transformer insulation
see also insulating oils
cellulose insulating materials, degree of polymerisation meas. 2−15080
construction of power transformers *(Hungarian)* 2−23349
dielectric failure in power equipment and cable, causes and measures. 2−12595
dimethyl silicone liquid, flammability 2−15075
distribution transformer insulation hazard due to abrupt lightning surges *(Polish)* 2−17708
distribution transformer with insulating fluids, load tests *(French)* 2−12684
epoxy casting resin for instrument transformers, selection of materials 2−15084
fast rise-time HV pulse transformer using solid dielec. materials, design and development 2−5389
generator transformer operation, circuit breaker effects *(Polish)* 2−12701
Glastic SG-200 fibreglass mat reinforced polyester laminate for high-temp. transformer insulation appls. 2−18308
high field DC cond. in aged transformer oil 2−7904
high-temperature insulation, fibre-reinforced resin system, transformer and machine insulation appls. 2−18153
HV instrument transformer insulation ageing determ. *(Hungarian)* 2−23348
HV transformers, operating behaviour of insulation oils 2−7905
impregnating agents for motor/transformer insulation, bond strength, test methods 2−23248
inhomogeneous isotropic insulation, mathematical models of absorption processes *(Russian)* 2−15060
inorganic electrical insulation, for transformers, motors and other appl. 2−27873
insulating oil, effect of insulating barriers on partial discharge onset stresses 2−9770
insulating oils, short time AC V-t characteristics of oil gaps 2−1517
insulating systems for high thermal load *(Croatian)* 2−27981

transformer insulation continued
insulation discharges, RF detection by loop probe 2−26811
intercoil insulation electric strength determ. *(Russian)* 2−12689
intercoil insulation in power transformer, electric strength determ. 2−4261
large EHV transformer specification features and problems 2−18306
liquid filled transformers with high temp. operating capabilities 2−18310
mechanism of breakdown of cast epoxy insulation under the action of partial discharges 2−4267
MIDEL 7131, AC and impulse breakdown voltages 2−7903
non-flammable biodegradable transformer insulating fluid, chemical, physical and electrical operating parameters *(Italian)* 2−27956
nondestructive, AC current-testing method and measurement equipment 2−7894
oil, AC and impulse breakdown voltages 2−7903
oil, breakdown time lag distrib. for step function approximated impulse voltages 2−1496
oil, characteristics of the action of a constant voltage field on liquid petroleum dielectrics 2−15066
oil, influence of SF_6 on elec. behaviour and gassing props. 2−7901
oil, pre-breakdown density change and current under non-uniform field, schlieren camera with image convertor 2−1522
oil, prebreakdown discharges under sub-atmospheric pressures, high-speed optical system appl. 2−1488
oil apparatus for continuously monitoring dissolved H_2 gas 2−23336
oil ducts, electric strength, transformer winding edge insulation *(Russian)* 2−18288
oil filled transformers, adhesive bonding systems for distribution transformer coils 2−15082
oil impregnated crepe paper insulating tubing, electrical perform. 2−15083
oil insulation AC and switching impulse strength measurements anal. using estimation method based on functional networks with fixed shape parameters *(Polish)* 2−27983
oil-immersed transformers, effects of local temperature-rise of constructional elements on insulating materials ageing *(Polish)* 2−4265
paper coatings on electrodes, influence on elec. strength of transformer oil 2−7906
polychlorinated biphenyl dielec. fluid for transformer insulation, present and future regulations governing use/removal 2−18313
polychlorinated biphenyls anal. of transformer oils using gas chromatography, review 2−18312
polychlorinated biphenyls used in power capacitors and transformers, safe handling and disposal, EPRI research 2−27953
polymeric materials in transformer oil, ageing charcts. 2−15081
power transformer insulating oils, streaming electrification and ionic conduction 2−4270
power transformers, electromagnetic model for locating partial discharges *(German)* 2−18299
quasi-steady and burst current in aged transformer oil under high direct field 2−1519
silicone filled transformers, water contamination 2−18311
silicone fluid 561, AC and impulse breakdown voltages 2−7903
silicone transformer liquid, use, maintenance and safety 2−4264
SPAULDITE X-982 thermosetting laminate for transformer insulation, epoxy resin reinforced with wood kraft paper 2−18309
static electrification phenomenon in pressboard-transformer oil insulation system using forced oil flow 2−7907
Stypol 83-2000 polyester insulating varnish for Class 180+ transformers, motors and coils 2−18155
tracking and erosion consideration of physical proceses 2−9823
vapour-mist dielectrics, cooling and insulating media for vapour-cooled power transformers 2−9763
SF_6 gas impregnated polymer film transformer insulation, partial discharge inception and extinction studies 2−7908

transformer magnetic circuits
arc and resistance welding, method for the smooth regulation of power sources including longitudinal-capacitive compensation 2−28273
design, for switched-mode power conversion 2−18338
Fe-3%Si alloy textured thin tapes made in Poland *(Polish)* 2−1556
power transformer design using equivalent π-circuit *(Spanish)* 2−27982

transformer protection
computerised protection and control, principles and systems survey *(Croatian)* 2−7893
distribution transformer insulation hazard due to abrupt lightning surges *(Polish)* 2−17708
distribution transformer protection by internal fuses 2−27970
distribution transformer secondary ccts. protection, new load-break designs 2−7887
electrical installations, protective devices research and development trends in Rumania *(French)* 2−43
gas-operated, low-cost transformer protection switch rated at 138 kV 2−7888
large capacity transformer, eddy currents in structure surrounding large current bushings, expt. and calc. 2−12694
microprocessor based protective relaying, algorithms and systems 2−3799
microprocessor based three-phase transformer differential relay 2−27573
Zagreb distribution network, 110 kV, introduction of transformer station giving concept, construction and protection *(Croatian)* 2−27473

transformer substations
110 kV modular plants, design *(Croatian)* 2−27980
115 kV line and substation to bring firm power to Holyoke 2−22940
acoustic noise source identification by FFT anal. 2−12704
compact LV/MV substation units, factory-made *(French)* 2−7886
computerised protection and control, principles and systems survey *(Croatian)* 2−7893
electrified railway from Zagreb to Rijeka in Yugoslavia, power feeding arrangements *(Croatian)* 2−28172
fire protection measures in power cable distribution networks *(Czech)* 2−7528
HV substations construction on turn-key basis, project engineering and management 2−27972
industrial, two tier layout *(Russian)* 2−27959
lightning protection circuits optimisation 2−27986
lightning protection using additional earthing strips, effectiveness *(German)* 2−4259
low-noise transformer noise cooler for substations, innovative design 2−27988
microcomputer based power transformer voltage control scheme 2−4271
mobile 15 MVA substation 2−23346

transformer substations continued
mobile substation standardisation development 2−23344
MV/LV transformer substation and LV distribution networks lightning protection 2−27578
optimal nominal power determ. using dynamical model for 10/0.4 kV or 20/0.4 kV substations *(Croatian)* 2−27472
permissible current load, influence of climatic conditions *(Slovak)* 2−17746
Polish products survey, ELEKTROMONTAZ range *(Polish)* 2−18148
Portuguese 400 kV network and transformer stations construction and systems engineering *(French)* 2−22896
Zagreb distribution network, 110 kV, introduction of transformer station giving concept, construction and protection *(Croatian)* 2−27473

transformer testing
ATE, terminal switching automation, programmable relay array 2−26726
automated, using MATS testing stations 2−11375
distribution transformer with insulating fluids, load tests *(French)* 2−12684
EM voltage transformer failure due to sustained overvoltage on switching, field tests and calc. 2−12693
insulation, impregnating agents for motor/transformer insulation, bond strength, test methods 2−23248
large EHV transformer specification features and problems 2−18306
large transformers, on site repair and maintenance *(German)* 2−12696
oil-immersed transformers, effects of local temperature-rise of constructional elements on insulating materials ageing *(Polish)* 2−4265
partial discharge and RFI simultaneous meas. 2−11611
power transformer core support strips, stray field induced losses and local temp. rises *(Polish)* 2−18298
power transformer insulation testing, on-line incipient fault detector, field experience 2−23350
power transformers, impulse voltage tests *(German)* 2−18294
power transformers, large capacity, design and manufacturing techniques, reliability testing, for use in thermal and nuclear power stations 2−27973
power transformers, surge voltage and test pulse meas. *(German)* 2−27971
preventive programmed maintenance and tests on energised power systems 2−8242
trouble detection for transformers on short circuits 2−12702
voltage measuring transformer accuracy testing, electronic system *(Polish)* 2−7023

transformer windings
construction of power transformers *(Hungarian)* 2−23349
hoop stress distribution under radial short circuit forces 2−27977
insulation, impregnating agents for motor/transformer insulation, bond strength, test methods 2−23248
medium power transformer with aluminium winding 2−27965
oil ducts, electric strength, transformer winding edge insulation *(Russian)* 2−18288
power, under axial short cct. conditions, dynamic response anal. 2−27976
power transformers, EHV, windings temp. rise and additional losses distribution calculating numerical method *(Czech)* 2−27955
resistively decoupled for broadband transformer design 2−9255
trouble detection for transformers on short circuits 2−12702
Cu and Al windings *(Polish)* 2−18297
Fe-Si strip wound transformer cores *(Croatian)* 2−23341

transformers
see also autotransformers; current transformers; d.c. transformers; high-frequency transformers; potential transformers; power transformers; pulse transformers
broadband transmission-line transformer with vector impedances, equiv. representation 2−5387
broadband with max. bandwidth and resistively decoupled windings 2−9255
CAD, universal interactive program 2−972
CAD/CAM system *(Danish)* 2−27989
control voltage and transformer for motor control centres 2−28072
cost effective opeating regime determ., math. model *(Rumanian)* 2−12690
economic evaluation 2−27962
eddy current calc. 2−15619
electric circuit fundamentals, book 2−13199
electric railcars, type 200, electrical equipment *(Japanese)* 2−4418
electronic components, instruments and troubleshooting, book 2−4572
EM screens for solenoids, machines and transformers, design problems *(Russian)* 2−2169
forced oil to air transformer coolers, acoustic design 2−4273
HF flyback transformer mounting for CRT assembly noise reduction 2−9253
high reactance, short circuit parameters anal. *(Polish)* 2−18302
high voltage testing transformers 2−27961
hybrid transformer compensated with balun and coil, distributed parameter anal. 2−23347
isolation amplifiers with thick film transformers *(German)* 2−19552
linear variable differential transformers interfacing with NE5520 signal conditioning circuit 2−11423
magnetic suspension devices using superconducting transformers *(Russian)* 2−20550
MATS magnetics automated test set, calculator control 2−19907
meander-line networks, approximation method for charcts. function 2−19499
microwave magnetometer, fluctuations as basis for quantum transformer of magnetic flux *(Russian)* 2−27264
oil-immersed, temp. meas. method 2−22418
portable safety transformers 2−23333
rectifier-invertor with pulsewidth modulated voltage in AC cct., parameters determ. *(Russian)* 2−4299
ring wound transformer cores *(Croatian)* 2−23341
Ruthroff transformer with reactive loads, theoretical performance 2−14321
selftuning resonances in transformers *(Russian)* 2−27960
shaft angle measurement, digital encoder *(Chinese)* 2−17125
small rectifier transformers with loading condenser, performance anal. *(German)* 2−12685
small-size rotating transformers and selsyns 2−4268
tapchanger conversion kit by Ferranti, UK 2−12687
thick film transformer design for AD293/4 hybrid isolation amplifier 2−1068
thin film transformer-coupled supercond. tunnel junctions, EM props. 2−9931

transformers continued
three-phase power system, balancing method using scalene Scott-connected transformer assembly 2−12125
toroids, commercial availability and appls. 2−12686
UHV switching overvoltage partial discharges calc. *(Croatian)* 2−14323
zeolite heat pump and zeolite heat transformer for load management 2−12955

transforms
see also Fourier transforms; Laplace transforms; Z transforms
2-D Radon, sampling 2−6433
adaptive receiving sample length limitations due to noise, number theoretic transform method appl. 2−26066
adaptive transform coding of video signals 2−21375
cosine transform implementation for TV signals 2−21376
discrete cosine transform, scene adaptive coder applic. 2−10649
fast even discrete sine transform, with offset, for computerised picture processing 2−6465
fast number transforms, signal processing applic. 2−21332
fast Walsh-hadamard transform, charge transfer device implementation, signal processing appls. 2−15887
flight simulators, digital sound simulation techniques 2−7370
Fourier-Wiener transforms, appl. to differential equations on infinite dimensional spaces 2−4961
frequency analysis of signals using integral transforms *(Czech)* 2−26127
generalised discrete transform, residual correlation 2−26111
hybrid, fast computation of complex convolution 2−544
image data compression using cosine and Karhunen Loeve transforms 2−13398
image processing using MIS photodiode integrated devices *(Russian)* 2−10136
image reconstruction, combined source-channel coding of data using block cosine transform 2−2375
inverse Laplace, parallel stabilisation and error bounds 2−8791
linear, spectral estimation 2−6432
linear systems, fast calculation of impulse response without multiplications 2−2325
monochrome pictures, adaptive transform coding using discrete cosine transform, energy distrib. logarithmic model 2−10719
multivariate nonstationary signal analysis 2−13400
optical implementation of integral transforms with Bessel function kernels 2−26153
Poisson transform in signal processing and queue analysis 2−6458
Rice's integral, errors in evaluation 2−438
Schlicht functions, integral transformations 2−13399
singular value decomposition for the Radon transform in n-dimensional Euclidean space 2−8695
stochastic processes, optimal predictable transforms 2−19140
Walsh spectrum measurement in natural, dyadic, and sequency ordering 2−26110
Walsh transforms−Reed Muller expansion relationship 2−26112

transient analysers
see also spectral analysers; wave analysers
digital storage oscilloscopes, digital stores' revolution *(German)* 2−3183
geophysical prospecting, transient methods, shape of generating pulses *(Russian)* 2−22719
lightning impulse voltages recording by wave memories *(German)* 2−22216
power supply impulse strength measurement, using AC line disturbance analysers 2−19544
SE 2550 transient waveform analyser/plotter *(German)* 2−22203

transient response
see also step response
400 kV system, transient recovery voltage conditions, survey 2−12227
AC/DC system disturbances computation, derivation of power frequency variables from convertor transient response 2−12224
AC/DC system disturbances computation, transient stability assessment 2−12225
analysis of the operation of an electrical system during simultaneous operation of synchronous and asynchronous generators 2−12165
asynchronous machine, frequency convertor-fed, steady state and transient behaviour anal., math. model *(Russian)* 2−4143
asynchronous machines, with rotor tall bars, transient parameter determination *(Rumanian)* 2−27905
bus configuration charact., impulse meas. 2−19921
characteristics of an asynchronized synchronous generator 2−27891
circuit and timing simulation programs, algorithmic passivity, stability of numerical integration algorithms 2−660
coal gasifier coupling to combined-cycle power plant 2−12409
control of postemergency conditions of power systems on capacity unbalances 2−12171
discrete sampling gate convertor, dynamic response improvement 2−24633
discrete sampling gate convertor, nonlinear model 2−24634
Earth, transient EM response of polarisable ground 2−3583
EHV series capacitor equipment protection and control 2−12292
EHV transmission line containing controlled reactors, transient stability limit 2−3688
EHV transmission system containing controlled reactors, transient stability limits 2−3689
electrodynamic model tests on an electromechanical frequency changer for flexible coupling of electric systems 2−4275
electronic simulation of a hydrogenerator with static excitation 2−7825
fault simulation of divided winding rotor synchronous generator with rectifier excitation 2−4055
filter design, handbook 2−4570
geophysical prospecting, transient response of induction logging tool in borehole 2−17548
impulse response calculation, for certain bandlimited systems 2−8936
invertor-fed induction motor drive, control charact. 2−18655
investigation of the transient phenomena in a power sytem during fast changes of power output *(Czech)* 2−7485
large turbine-generator, EM forces on armature end windings, steady state performance anal. 2−12588
linear systems in the time domain *(Portuguese)* 2−8946
locator thyratron circuits 2−1133
multimachine networks, subsynchronous reson., transient charact. modelling *(French)* 2−7472
multimachine power systems, transient characteristics of subsynchronous resonance *(French)* 2−12130
multimachine system, coherency identification and equivalents for transient stability studies 2−7499

transient response continued
NMOS high-speed operational amplifier fabricated using VLSI technology 2−24407
permanent magnet AC machines, transient performance 2−18178
PLLs with integrating and non-integrating loop filters for timing recovery in repeater chains 2−19594
power supply measurement techniques using common test equipment 2−7585
power system, transient stability, equation of motion appl. 2−3674
power system dynamic equivalents, coherency recognition 2−12157
power system dynamic response with limited variations in voltage and frequency, modeling procedure 2−12176
power system dynamics simulation, system components model 2−22836
power system transient response load charact., busload composition data analysis 2−12178
power system transient response load charact., load-model guidelines 2−12177
power system transient response load charact., test results 2−12179
PWM discrete stabilised power supply in elec. motor car, dynamic behaviour anal. *(Russian)* 2−4430
self-controlled synchronous motor speed control system, dynamic performance anal. 2−12632
solar cell transient electrical response to X-ray bursts 2−23506
time-domain scattering profile, using baseband radar with log-periodic antenna and post-reception processing scheme 2−11109
transmission systems, numerical calc. with natural spline functions HV transmission line appl. *(German)* 2−22876
TWTs, compression filter-matched, pulse response analysis 2−20032

transient stability *see stability*

transient voltages *see transients*

transients
see also surges
3-phase power networks sequentially developed electrical faults digital simulation 2−27400
800 MW generator bus-bars phase-by-phase screened 3-phase current conductor electromagnetic field numerical anal. 2−27870
Abnormal Transient Operating Guidelines programme for nuclear power station operators 2−17878
AC/DC system disturbances computation, interactive coordination of generator and convertor transient models 2−12223
accurate modelling of frequency-dependent transmission lines in electromagnetic transient simulations 2−22938
analogue transducer error correction algorithm 2−26843
analytical study of transient processes in a capacitive energy accumulation 2−12949
asynchronous generators, self-excited, transients in sudden three phase short circuits 2−27911
asynchronous machine, reduced-order models *(Italian)* 2−23289
asynchronous machine electro-mechanical transient calcs., using models *(German)* 2−18243
asynchronous machines, transient electro-mechanical phenomena *(German)* 2−27928
automatic electric drive systems, hastening transient processes by means of microcomputers *(Chinese)* 2−18627
autotransformer/booster control transformer set transient phenomena during voltage control system changeover from longitudinal to transverse *(Polish)* 2−23330
cable oscillations in inverter application *(German)* 2−28010
calculation of transient current in transformers 2−23337
circuit breaker failures due to distribution harmonic currents, measures 2−28039
circuit breakers, HV, high power, circuits for sub-switching sections for reduction of transient voltages on power disconnection *(German)* 2−28051
circuits with DC machines, transients determ. 2−7869
commercial power main conducted susceptibility standard 2−22956
computer modelling of an electromagnetic suspension *(Russian)* 2−18673
computing electrical machine transient processes in automatic design 2−12599
consumer protection against inrush currents *(German)* 2−4617
contactor efficiency in series ChS electric locomotives *(Russian)* 2−28048
contribution from induction motors during system faults 2−7840
coupling capacitance voltage transformers, transient response, IEEE report 2−17782
cryoturbogenerator nonsteady-state electromagnetic field in presence of abrupt three-phase short circuit 2−27882
current transformers, highly saturated, transients anal. *(Russian)* 2−18287
data acquisition, charact. 2−26799
DC power supply lines and add-on units, transient analysis by computer *(Russian)* 2−4278
digital impedance meas. system, detection method 2−22090
digital memory transient recorder accessory, used for oscilloscopes, chart recorders 2−3198
digital simulation of synchronous generator feeding dynamic DC load 2−18203
distribution networks, MW, fault type, anal. and measurement *(Italian)* 2−27475
domestic heat pumps, asynchronous motor driven, starting current measurement and effects on mains power supplies *(German)* 2−4472
DWR synchronous generator, transients calc. model 2−4084
dynamic models for the transient analysis of induction machines with asymmetrical winding connections 2−23294
effect of eddy currents on transients in devices with annular cores made from ferromagnetic strip, calc. *(Russian)* 2−1575
EHV power switch testing problems *(Polish)* 2−18386
electric current interruption tests in insulating oil medium, effects of test interval times on transient voltage recovery curve 2−7938
electric drives of synchronous salient machines, electromagnetic and mechanical transients calc. 2−4390
electric drives starting and braking, comparative analysis *(Bulgarian)* 2−4387
electric energy systems, state eqns. for computing electromechanic transient states *(German)* 2−27368
electric machines excitation and de-excitation time constants determining procedure 2−27855
electrically controlled transient attenuation, for waveguide stub coupling elements 2−19851
EM transient analysis by computer 2−17687
EM transients, NETOMAC simulation program: differential admittance method with continuous and discontinuous systems *(German)* 2−3789

transients continued
EMAV, digital computer program for calc. of EM transient conditions *(German)* 2−27457
EMP response single aperture spherical cavity, FFT appl. 2−26011
experimental study of transient ground impedances 2−12287
finite element mesh generation using a small computer with interactive raster graphics 2−4105
flow through hydraulic turbine draught tubes, equations and iterative calc. procedure for case of turbine shutdown *(Croatian)* 2−7749
HV surge arrester model for transient network analyser appls. 2−3800
HV transient measurement techniques 2−17785
induction motor, EM transient anal., math. models *(Russian)* 2−4124
induction motor, transient equivalence circuit 2−23302
induction motor drive, starting transients calc. 2−7855
induction motor rotor slot influence and starting phenomenon model 2−7858
induction motor saturation and transients calc. model 2−7859
induction motor stability nonlinear differential equation model 2−7851
induction motor star-delta switching performance during starting 2−7835
induction motor starting, transient torque establishment and resulting stresses for constant and variable slip *(Italian)* 2−12639
induction motor starting transients calc. 2−7854
induction motors, calc. 2−7860
induction motors, transient phenomena anal., through reconnection to non-zero value of rotor current vector 2−23284
induction motors starting transients digital simulation 2−4198
influence of axial stray-fields on the performance of superconducting machines with high pole numbers 2−7832
interconnected power systems, travelling waves, digital anal. using Schnyder-Bergeron graphical method 2−27452
interruption of small currents in insulating oil medium, current chopping and initial transient recovery voltage 2−7939
investigation of the transient phenomena in a power sytem during fast changes of power output *(Czech)* 2−7485
lightning impulse voltages recording by wave memories *(German)* 2−22216
LV networks short-circuit magnitudes measurements *(German)* 2−22772
mains failure rapid detection unit 2−7582
mains-operated systems, transient suppression using L-C filter networks 2−10529
mathematical model of circuits with rectifier converters 2−28029
MHD generator, electrical circuit, transient processes self-excited oscillations 2−12925
motor winding insulation failure, steep-fronted switching voltage transients meas. 2−27875
motor windings, interturn insulation stresses, steep-fronted switching voltage transients distribution tests 2−27876
multiconductor overhead lines, numerical calc. method *(Polish)* 2−17752
multiconductor power transmission line, digital filter model 2−3770
multimachine networks, subsynchronous reson., transient characts. modelling *(French)* 2−7472
multipole conductor systems with freq. dependent parameters, digital determ. of rapid transient processes *(German)* 2−12220
nonlinear circuits, recurrent systematic methods for numerical anal. of transients *(Russian)* 2−13924
nonlinear network transient behaviour anal., state equations necessary and sufficient conditions 2−19519
nuclear power plant availability improvement, transient analysis model 2−17869
OTEC evaporator transient model 2−18076
outdoor, 420-kV bus structure mechanical behaviour and short-circuit conditions *(Italian)* 2−27957
overhead transmission line corona and skin effect mathematical model *(Polish)* 2−17751
overvoltage analysis methods 2−22892
Park-Gorev equations of slow transients of synchronous machines *(Russian)* 2−12606
performance analysis of a DC drive electromechanical system with elastic coupling and pulsating load torque 2−23664
phase-locked loop DC motor drive with improved transient performance 2−18268
power MOS transistors application and protection in inductive load switching 2−25252
power semiconductor devices, temp. rise calc. for transient conditions *(Czech)* 2−14814
power supply reliability maintenance methods and equipment 2−27377
power system, transient stability, equation of motion appl. 2−3674
power system fault detection by digital techniques 2−22343
power system model with two tie lines, optimal control strategies for transient stability improvements 2−27331
power system stability, sparse matrix anal. 2−3663
power system state estimation, using decentralised sequential observer with iterative prediction *(Japanese)* 2−17625
power system transients model, Kron matrice method *(Russian)* 2−19273
power systems EM, regression anal. *(Russian)* 2−22779
power thyristor computer-aided surge capability prediction and anal. under 50 Hz half-sine wave overloading 2−20245
power transformer surge voltage and test pulse meas. *(German)* 2−27971
power transformers, single-phase, state model and transient anal. 2−27978
power transmission line transient voltage computation during distance fault switching *(German)* 2−17689
pressurisation transients in BWR, RAMONA computer code simulations 2−12364
pulse current invertor fed induction motor, transient differential equation model 2−4184
PWR transient tests for verifying reactor system transient analysis computer codes 2−3877
PWR transient tests for verifying reactor system transient analysis computer codes 2−7688
shipboard power line transients, US Navy long-term monitoring findings 2−22930
short-circuited stalled induction motors with frequency control, transient phenomena, computerised study *(Croatian)* 2−12647
signal-flow diagram simplification for turbine governors *(German)* 2−12139
small universal motors, transient leakage flux, investigation 2−4246
solar cell, open circuit voltage decay transients 2−12868
spurious protection operation in open-cast mining and quarrying power networks caused by circuit oscillations methods of avoidance *(Russian)* 2−27485
transients continued
squirrel-cage motor transient behaviour digital simulation 2−4209
star-delta switching performance during the starting of an induction motor 2−7856
steady and transient operating characteristics of DC motors energised from thyristor inverters *(German)* 2−27935
study of the electrical resistance of a mercury contact *(Russian)* 2−18380
submarine power cables, self-contained, oil-filled, hydraulic design 2−7548
Super-Phenix steam generator 45 MW model, numerical simulation of operation on non-stationary regime *(French)* 2−27640
superconducting AC generator torque model 2−7834
superconducting AC generator transient currents calc. 2−4075
superconducting generator transient behaviour 2−4079
superconducting generator transient behaviour 2−4080
switching overvoltages after current chopping in a three-phase inductive circuit with isolated neutral 2−17672
switching regulator, line-operated, active transient suppressor 2−13952
synchronous generator multiple thyristor convertor loads transient behaviour anal. 2−7818
synchronous generator transient characts. model 2−4088
synchronous generators, superconducting, transient characts. determ. 2−27895
synchronous machine with three phase stator windings, transient anal. *(Russian)* 2−4058
synchronous machine with two rotor windings, influence of excitation change, calc. *(Russian)* 2−23274
synchronous motor, permanent-magnet with claw shaped rotor, steady-state and transient characts. 2−18214
thyristor protection 2−12281
thyristor-controlled shunt compensation in power network 2−27993
time-optimal rectifier-unit control 2−12720
transient performance of the induction machine with deep bar rotor 2−7852
transient recorders, practical aspects of use for signal storage *(Hungarian)* 2−26882
transient recovery voltage anal. and computer model of 115 kV elec. system 2−12190
transient state simulation in electric energy systems *(German)* 2−27367
transient thermal analysis of turbo-generator rotor by finite element method 2−4042
transient torques and stresses due to switchover of induction motor power supplies 2−7857
transmission lines, circuits with distributed parameters, transients and switching operations, calc. *(Russian)* 2−7524
tunnel-transistor oscillator with compensation for destabilising factors, transient freq. fluctuation *(Russian)* 2−24438
turbine-generator shafts, fatigue damage due to fast reclosing, math. model 2−23261
turbogenerator shafts, torsional fatigue life reduction, due to large scale disturbances under fast valving control 2−27859
turbogenerator transients high and low cycle fatigue 2−4089
valve convertor for automatic control, sampled data model 2−28015
voltage overshoots, calc. method by computer *(Croatian)* 2−12126
waveform recorder, glitch detection using analogue latch 2−3178
wind turbines potential dynamic impacts on utility systems 2−18113
GaAs short channel device, hot carriers, space and time dependent transients 2−25175
SF_6-insulated switchgear installations, isolator switching transient meas., max. overvoltage factor *(German)* 2−7950
Si epitaxial film deposition in CVD reactor, transients 2−13817

transistor circuits
Used for general papers and papers where the use of transistors is significant
see also bipolar transistor circuits; field effect transistor circuits
battery charger circuits, sinusoidal line current, transistor switching power calcs. *(German)* 2−23358
power convertors, thyristor-based and transistor-based, comparison *(Croatian)* 2−28014
power switching transistors, better matching *(German)* 2−1349
pulse amplitude analyser precision sampler, using CA 3146 transistor array *(Italian)* 2−11405

transistor-transistor logic
see also logic circuits
74 series, logic testing imported ICs *(Czech)* 2−14975
active probe for MOS, TTL logic cct. testing *(German)* 2−5209
digital IC, defect location and detection, by marginal voltage meas. 2−14983
digital signal processing transmultiplexer design 2−2601
dual differential comparator, increasing TTL square wave output 2−9069
ECL-TTL hybrid boards, in-circuit testing 2−9288
Fairchild advanced Schottky TTL, characts. *(Italian)* 2−9049
Fairchild Advanced Schottky TTL, large volume production by Isoplanar II process 2−19619
graphitisation furnace, automatic control characts. *(Russian)* 2−28234
hardened IC terminal modelling 2−14908
hexadecimal decoder for seven segment display *(German)* 2−11556
high-speed logic circuits interconnections design recommendations 2−24501
IC logic level/pulse detector ccts. 2−14073
keyboard encoder based on two integrated TTLs *(Italian)* 2−9125
LED controlling using TTL ccts. *(Czech)* 2−10172
logarithmic processing memory-oriented transmultiplexer model implementation and testing 2−2603
logic analyser, circuit description and operation 2−22201
logic circuit, used for electromechanical selector switch replacement *(Italian)* 2−19621
logic receiver for general-purpose interface 2−5174
MSI devices, single-event upset study 2−14059
multi-frequency tone generator for microprocessors *(German)* 2−24424
multiplex circuit 2−24486
NAND gates, transient electron radiation upset, temp. depend. 2−19624
pulse shaping circuits using TTL and NAND gates *(German)* 2−9059
reliability problems with TTL-LS, long term thermal stability of Schottky diodes realized by PtSi-Ti/W-Al metallization 2−9084
stand-alone TTL performance test circuit 2−9071
stepper motor H-driver circuit improvement by cross-coupling drive transistors 2−12672
test probe, characts. *(German)* 2−19620
thyristor controlled AC loads, interfacing digital circuits 2−9131

transistor-transistor logic continued
thyristor controlled AC loads, interfacing with digital circuits 2−5208
universal digital clock-counter chip using TTL and MOS circuitry *(German)* 2−19756
vacuum deposition shutter position indicator system 2−11527
VLSI supply voltage and logic levels, potential compatibility with TTL and ECL 2−19648

transistorised circuits *see transistor circuits*

transistors
see also bipolar transistors; phototransistors; power transistors; thin film transistors; unijunction transistors
dispersion parameters meas., under large signal conditions 2−17117
electrochemical transistor action using ZrO_2 electrochemical cells 2−25275
lead-forming tool, used to improve solder joints in PCBs 2−25207
minimold, chip components for printed circuits *(German)* 2−14307
reference information on solid-state switching devices 2−5713
semiconductor electronics, role of transistors, review *(German)* 2−14848
wafer testing, automatic device *(Rumanian)* 2−3046

transit time devices
see also BARITT diodes; IMPATT diodes; TRAPATT diodes
GaAs MM-wave abrupt p-n junction MITATT diodes, theory, operation from 100-800 GHz 2−19890
$Hg_{1-x}Cd_xTe$ abrupt junction TUNNETT diodes for MM-wave appls., theory 2−19892

transit time noise *see random noise*

transition radiation
No entries

translation (language) *see language translation*

translators (program) *see program interpreters*

translators (repeaters) *see repeaters*

transmission
see also acoustic wave transmission; electromagnetic wave transmission; power transmission
HF, submarine coaxial cables, polynomial general expression for attenuation characteristics *(Japanese)* 2−16331

transmission electron microscope examination of materials
see also transmission electron microscopy
organotin films, amorphous, semiconductive and conductive, form. and props. 2−19448
silicide films, single crystalline, formation on Si substrate 2−582
SOS films with negative and positive interfacial charges 2−5639
Al MBE growth on GaAs, TEM and Rutherford backscatt. study 2−24287
Au-Ge laser-annealed ohmic contacts on GaAs, microstruct. and resistivity 2−14698
Au-Sn-Al metallisations on GaAlAs, interfacial struct. studies 2−5705
Cd_3As_2 amorphous films, structural, electrical and thermoelectric props. 2−14665
GaAS:Zn(Mg)(Si)(Se) ion-implanted homojunction solar cells, pulsed ruby laser annealing, SEM, TEM and SIMS meas. 2−18554
GaAs, ion implantation and low temp. epitaxial regrowth 2−5687
GaAs, ion implanted and laser annealed, residual damage, TEM study 2−14773
GaAs LED, struct. defects, TEM studies 2−1822
GaAs single crystals, helicoidal twisting of dislocations, projection etching, SEM and TEM obs. 2−24958
GaAs-$Ga_{1-x}Al_xAs$ multilayer epitaxial heterocomps., elec. active defects, combined SEM and TEM obs. 2−24959
GaAs-Sn layers, laser annealed, interface struct. and diffusion 2−14699
GaP LED, struct. defects, TEM studies 2−1822
GaP substrates, LEC, microdefects study by TEM and etching 2−24960
Ge_xSi_{100-x} amorphous layers, heterostruct. fabrication by sol- id phase growth 2−5006
InGaAs, reduction in dislocation densities in MBE step graded growth 2−8804
$In_{0.05}Ga_{0.95}As$-$In_yGa_{1-y}As_{1-x}P_x$-GaAs heteroepitaxial system, dislocation struct., buffer layer effect 2−19409
InGaAsP-InP DH laser, degraded, lattice defect struct., SEM and TEM study 2−25772
Mo-Si contacts, P ion implantation effects 2−5628
S:As, through oxide As implanted, recoil O implants and O thermal redistrib. 2−1280
Si, Czochralski grown, internal gettering centres and SiO_x precip. nucleation 2−25159
Si, denudation zone and internal SiO_x nucleation control, role of stabilised back-surface damage 2−5528
Si, heteroepitaxial, characterisation 2−24923
Si, laser damage gettering and lifetime improvement appl. 2−9406
Si, laser-induced amorphous, adsorpt. of O, expt. study 2−25164
Si layers, CW laser annealed, EBIC contrast rel. to residual defects, X-ray, TEM, and SEM obs. 2−14752
Si on sapphire, low-density defect 2−24924
Si, oxidation by ion implantation and laser irradiation 2−9566
Si, picosecond laser annealing 2−14797
Si:As, ion implanted, polycrystn. film, laser irrad., elec. props. grain size, annealing effect 2−9404
$Si:As^{2+}$, ion implantation, scanned electron beam annealing 2−1159
$Si:B^+$, single crystal, TEM and AES study of ion bombardment 2−14635
Si:H, amorphous ion beam deposited coating, prep. and props. 2−20094.
Si:P, polycrystalline, plasma etching, P doping effect, electron microscopy study 2−5698
Si:P film, LPCVD, polycryst., grain size and resist. 2−9407
Si:P implanted wafer, multiscanning electron beam annealing, solar cells appl. 2−14614
Si-SiO_2 MOS system, As implants through SiO_2 layer, TEM, Rutherford backscatt. and device characts. study 2−20198
SiO_2 mask, lateral spread of implanted ions under mask edge, implantation angle effects, TEM obs. 2−20192
WSi_x-Si:P annealing behaviour, effect on MOSFET IC device fabrication 2−5820
ZnSe, metalorganic chemical VPE growth, photoluminesc. and Raman scatt. obs. 2−19412

transmission electron microscopes
see also transmission electron microscopy
DX-4, design and adjustment *(Chinese)* 2−14600
field emission gun, guard ring testing 2−1102

transmission electron microscopy
see also transmission electron microscope examination of materials; transmission electron microscopes
energy dispersive detectors, bibliography (1981) 2−23894
VLSI, SEM/TEM in process development failure analysis 2−9711

transmission line theory
capacitive mesh couplers, substrate effects, transmission line model 2−15361
circuits constructed with cascade connection of unit exponential lines, transmission cha:act. *(Japanese)* 2−677
coaxial cables coupling in multi-cable system, lumped-circuit model 2−9259
coupled dispersive transmission lines, characterisation and simulation 2−2170
coupled microstrip-like transmission lines for MM-wave appls., propag. parameter s 2−24643
coupled slab lines, even and odd mode inductances per unit length *(Chinese)* 2−21162
coupling of electromagnetic fields to transmission lines 2−21168
data transmission lines, critical length and freq. calc. *(Czech)* 2−21165
electric quadrupole moments measurement, TEM cell determination EMI appl. 2−26010
electrical parameters in transmission systems and theory of their meas. 2−11313
EMP, source region coupling to long lines 2−25978
equivalent ccts. for transmission lines in electromagnetic environment 2−21166
ferrite-loaded transmission line, EM wave propag. characts. 2−10463
induction devices, circular, cylindrical, with helical windings 2−9254
insertion loss and transmission line attenuation 2−26933
inverse methods for branched ducts and transmission lines 2−21164
lightning surge waves induced in transmission lines, theory *(Japanese)* 2−15746
linear filters, Grassmann manifold-based theory 2−13923
modelling of shielded wires for crosstalk prediction 2−15747
monopole antenna, response to EM pulse with corona, transmission line model 2−26040
multi wire parametric model for pair balance simulation 2−10535
multiconductor transmission line, computation of crosstalk 2−15748
multiconductor transmission-line parameters determ. in freq. domain, iterative method 2−8952
non-uniform transmission lines with odd order binomial form charact. impedance, approx. mixed lumped-distributed representation 2−8951
nonconventional state models of electric transmission lines 2−27535
nonuniform coupled transmission filters, coupled mode analysis *(German)* 2−19515
nonuniform line synthesis, line impedance derivation, use in capacitance-tuned resonator 2−9025
nonuniform transmission line based on extended Kuroda's identity, equiv. representation 2−26014
parallel-coupled microstrip transmission lines on pyrolytic BN 2−19835
power line transmission props. calc. using computer to solve full transmission equations *(Norwegian)* 2−27446
probe excitation of a rectangular coaxial transmission line, low level EMI emission testing appl. 2−26009
propagation of disturbing currents along overhead lines 2−21136
quarter-wave matching networks for stub-resistor loads, specific eqns. 2−21163
resistive meshes solution, by deterministic and Monte Carlo transmission-line modelling 2−2171
short- or open-circuited dipole parallel to perfect reflector plane and embedded in substrate and acting at resonance 2−15777
state-space modeling of transmission line dynamics via nonlinear optimization 2−22935
symmetrical long distance cables, length-dependence of the damping constant, multiterminal distributed parameter network representation *(Hungarian)* 2−6731
TEM cell, EM field distortion due to perfectly conducting rectangular cylinder 2−15750
TEM cell excitation by vertical elec. Hertzian dipole 2−15751
transient response, numerical calc. with natural spline functions HV transmission line appl. *(German)* 2−22876
transmission-line matrix method with irregularly graded space 2−15749
two-wire transmission line, response to incident field and voltage excitation 2−21167
vacuum transmission line, magnetic self-insulation waves reflection 2−2172

transmission lines
see also cables (electric); communication transmission lines; high-frequency transmission lines; overhead lines; power transmission lines; waveguides
Josephson line, fluxon reflection from perturbative point of view 2−20568
Josephson transmission line, Ohmic dissipation due to fluxon motion, anomalous DC current 2−22931
Josephson transmission line, pulse response props. and appl. to logic circuits 2−14074
Josephson transmission lines, soliton amplifiers and picosecond pulsers 2−14038
line discontinuities, appl. of time-domain analysis 2−22374
loaded coaxial cable propagation coeff. calc. using perturbation techniques *(Japanese)* 2−6734
magnetic generator with transmission line segment in compression section 2−24469
passive devices for impedance matching 2−6366
SHF oscillators, synchronised operation coupled through ring power adder 2−19587
TDR meas., time domain reflectometry 2−22384
volumetric terrain following sensor, 915 MHz, coaxial transmission line, outdoor perimeter surveillance appl. 2−13254

transmission network calculations
110 kV systems with arc suppression coils, neutral point displacement, resonance curve meas. method *(German)* 2−17702
220 kV transposed transmission overhead line, sensitivity analysis 2−17750
AC microsystem with DC connections, simulation criteria *(Rumanian)* 2−22872
AVRs of generators of production and transmission networks, voltage compound and reference values coordination 2−3715
choosing optimal cross sections for ramified electric networks with allowance for voltage deviation constraint 2−12218

transmission network calculations continued
comparing the conditions for stability of periodic conditions of operation in compensated networks derived by various methods *(Russian)* 2−27447
compound HVAC/DC network load flow calc. 2−22882
developments in optimal power flow 2−27392
dissipative four-terminal network with real matching devices, optimisation *(Bulgarian)* 2−12219
dynamic interaction of electrical power plants, loads and transmission network 2−7506
evaluation of distributed generation sites 2−17681
expansion plan reliability analysis, simplifying software system 2−17676
fault analysis of six-phase systems/ 2−3727
on-line method for transmission ampacity evaluation 2−27449
optimal power flow based upon P-Q decomposition 2−27391
passive nodes treatment in state estimation *(German)* 2−7523
power line transmission props. calc. using computer to solve full transmission equations *(Norwegian)* 2−27446
quad-pair symmetrical cable circuits operating capacitance calc. *(Russian)* 2−27445
reactive power dispatching, minimum MVAR generation criterion 2−3710
RESIN, desk-top computer program for finding cut-sets in networks 2−22877
security assessment, fast decoupled load flow 2−22787
subsynchronous resonance with reference to Koeberg and the series-compensated transmission system 2−3737
transmission network plans, reliability calc., computer programme TRAP 2−22879

transmission networks
see also communication networks
345 kV transmission grid, double-circuit tripouts due to lightning, evaluation 2−7572
400 kV, French power system development scheme *(French English)* 2−12200
400 kV system, transient recovery voltage conditions, survey 2−12227
735 kV shunt-compensated system stability with static compensators 2−17696
765 kV transmission system single-phase switching performance 2−17695
adaptive mean-square error transversal equaliser 2−6732
conditions for stability/ of a transmission system/ subject to random variations in power flow/ *(Russian)* 2−3729
development scheme computing, using TASSILI and MEXICO models *(French)* 2−12201
developments in protection and control for EHV transmission systems 2−22894
EHV network development strategy, for Italian power system *(French)* 2−12199
EHV transmission lines, capacity increase and environmental impact mitigation *(French)* 2−22939
EHV transmission system containing controlled reactors, transient stability limits 2−3689
Electrical World's 16th annual T&D construction survey 2−27441
feasibility sets for steady-state loads in electric power networks 2−22880
future power systems, electronics appls. 2−3706
HV, China 2−27458
interactive load control, transmission and distribution networks 2−22801
mains voltage swing damping, using controllable parallel compensators *(German)* 2−17692
overhead line tornado-induced outage prediction method 2−17677
PAN, program system for network planning *(German)* 2−27434
remote control implementation, consequences on work organisation *(Croatian)* 2−17685
secondary voltage control of EDF network 2−3738
sequence of events recording systems/ 2−3806
six-phase power transmission systems fault anal. and fault currents suppression 2−7522
static compensator use to control voltage level and balance on ESCOM system 2−4321
static compensators for transmission systems 2−12230
static mho type distance relay performance, effect of subsynchronous current 2−12306
strategy for transmission system development, land requirements and cost *(French)* 2−12197
superconducting AC transmission systems voltages up to 35 kV *(Russian)* 2−7953
system planning and design using the (n-1) criterion in Germany *(German)* 2−22868
UHV transmission, French power system development forecasting *(French)* 2−12271
use of sensitivity analysis in automated transmission planning 2−22893
SF_6 puffer breakers for transmission voltages, Brush Switchgear products 2−28038

transmission wavemeters *see wavemeters*

transmitters
see also radar transmitters; radio transmitters; television transmitters; transceivers; transponders
automatic control equipment *(Japanese)* 2−21929
digitally-controlled DC-sinusoidal invertor for VLF transmitter appl., transistorised power module 2−18357
system design, fundamental conditions *(Japanese)* 2−21923
time, frequency, amplitude domain strains and meas. techniques *(Japanese)* 2−22340

transmitting *see transmission*

transmultiplexing
24-channel digital signal processing transmultiplexer 2−2604
24-channel LSI digital transmultiplexer 2−6675
, struct. and appls. *(Japanese)* 2−16260
binary tree structured transmultiplexer design 2−6682
digital, comprehensive survey of known methods 2−15969
digital filter banks, nesting implementation 2−24610
digital TDM to FDM convertor, transmultiplexer 2−10734
digital techniques for transmultiplexer implementation, comparison 2−2403
digital transmultiplexer, hardware implementation 2−10901
implementation by polynomial transforms 2−26319
logarithmic processing memory-oriented transmultiplexer architecture and simulation 2−2647
logarithmic processing memory-oriented transmultiplexer model implementation and testing 2−2603
multiple VLSI digital signal processing transmultiplexer 2−2605
multistage wave digital filter transmultiplexer realisation 2−6681

transmultiplexing continued
pseudo quadrature mirror filters bank 2−26096
recursive polyphase networks with optimum magnitude and minimum phase design 2−6449
TDM-FDM transmultiplexer, struct. and appls. *(Japanese)* 2−16259
telecommunication network transmultiplexer exploitation and advantages 2−6677
telephone network signalling convertor for digital transmultiplexer 2−6676
transmultiplexer design for high efficiency and robust performance 2−6679
transmultiplexer implementation, baseband analytic signal approach 2−6678
TTL digital signal processing transmultiplexer design 2−2601
universal signalling digital transmultiplexer design, TM 7400-M2 2−2602
wave digital filter transmultiplexer simulation and testing 2−6680

transparence *see transparency*

transparency
see also light transmission; optical constants; self-induced transparency
ferroelectric ceramics, semicond. props., electron-hole processes, hologram forming 2−25034
CdO transparent electrode for electroluminescent film *(Russian)* 2−15416
CsI, highly transparent, bulk absorpt. coeff. at 10.6 μm, laser calorimetry meas. 2−25473
$In_{2-x}Sn_xO_{3-y}$ sprayed films, rel. to efficiency optimisation of Cu_2S-CdS backwall solar cells 2−18511
PLZT X/65/35, transparent ferroelec. ceramics, phase transitions 2−5846
$PbSc_{1/2}Nb_{1/2}O_3$ transparent ferroelec. ceramics, phase transitions 2−5846
Si_3N_4 CVD layer, X-ray mask prep. 2−1271
TlCl-TlBr, KRS-b, highly transparent, bulk absorpt. coeff. at 10.6 μm, laser calorimetry meas. 2−25473
ZnO transparent and highly conductive films, prep. by RF reactive magnetron sputtering 2−5009

transponders
12 GHz, phased-array, scanning-spot-beam satellite for communications in USA 2−6795
Automatic Vehicle Identification transponder using single microwave carrier, MIC realisation 2−21813
Communication Satellite-2 (CS-2) on-board communication equipment, engineering models, design and charact. 2−22643
cordless telephone handsets, NBFM-modulated transmission from transponder at 1.6 MHz and from handset at 49 MHz 2−6783
efficiency increase by using TDMA 2−26164
European Communication Satellite System transponder details and spot-beam locations *(German)* 2−26479
Japan's medium capacity communications satellite, charact. of transponders *(Japanese)* 2−16419
los Alamos Scientific Laboratory electronic vehicle identification system/ 2−2854
microprocessor-based, charact. 2−2853
Nordsat direct broadcasting satellite project, alternative modulation methods 2−21806
satellite channel, transpondser nonlinearity effects on SFSK and MSK, comparison 2−2765
satellite communication system, appl. of intersatellite links to collocated advanced satellites 2−11036
satellite TV broadcasting system technology for 80s 2−11044
spaceborne communication transponders, TWTA replacement with GaAs C-band FET amplifier 2−5349
staggered quadrature overlapped raised-cosine modulation performance over nonlinear satellite channels 2−2751
TV Satellite, using FET technology 2−11017
VHF transponder, EMI design prediction and test results 2−11015

transport *see transportation*

transport computer control
see also aerospace computer control; aerospace computing; computerised navigation; reservation computer systems; traffic computer control
automatic train supervision system for Teito Rapid Transit Authority 2−18695
automobile engine microprocessor control 2−18730
automobile microprocessor interfaces 2−18731
British Rail Inverness-Wick radio signalling scheme, computerised block instrument control unit 2−13018
British Rail solid state interlocking project 2−13016
bus public transport, computerised call responsive system, communications techniques *(Japanese)* 2−16217
DC locomotives, static logic control using microprocessors 2−13021
electric vehicles, microprocessor-based control system 2−18737
fail-safe microcomputer systems for railway signalling 2−18694
guided vehicle systems radio link 2−2716
Kobe New Transit system in Japan *(Japanese)* 2−12982
lift drive control using microcomputer *(Korean)* 2−4416
microcomputer for rail vehicles and ships, Brown Boveri MICAS system *(German)* 2−4403
railway signalling, impact of microelectronics 2−13017
railway signalling control system, appl. of packet switching techniques 2−18696
railways, conf., London, England (Nov.1981) 2−8144
rapid transit automation control 2−18705
sensors for heavy duty truck 2−18666
vehicular CRT, interfaces with microprocessor controlled electrical systems 2−3220

transport equation *see Boltzmann equation*

transport phenomena *see transport processes*

transport processes
see also Boltzmann equation; diffusion; electrical conductivity; Liouville equation; master equation; neutron transport theory; plasma transport processes; thermal conductivity; thermal diffusivity; viscosity
charged particle differential collision terms in S_n appl. 2−22464
II-V compounds, conf., Mogilany, Poland (Sept. 1980) 2−13161
transport partial differential equations diffusion approximation *(French)* 2−13722

transport properties *see transport processes*

transport theory *see transport processes*

transport theory of neutrons *see neutron transport theory*
transport through biomembranes *see biomembrane transport*
transportation
see also aircraft; cableway systems; lifts; marine systems; rail traffic; rapid transit systems; road traffic; transport computer control
400 kV power transformers, metalclad, for power system, in France *(French)* 2−23340
air-film transporters for moving large electric equipment *(Japanese)* 2−4485
coal mining, transportation and associated cost trends 2−17818
computer communications developments 2−10845
design of linear induction motors with transverse closure of the magnetic flux *(Russian)* 2−18275
diesel driven load haul machines conversion to electric drive 2−28158
district heating, railway wagons transporting hot water from nuclear power stations to local supply centres, feasibility study *(German)* 2−3887
electric linear propulsion for transport technology *(German)* 2−28159
electronics in transportations 2−23708
fuels from wood, production methods 2−4435
guideway inspection system for levitated ground transportation, operational eqn. 2−12996
Hungarian postal services optimised road and rail transport *(Hungarian)* 2−4417
Industry Applications Society meeting, conf., Philadelphia, PA, USA (Oct. 1981) 2−13164
local public passenger transport using 3-phase drives, energy savings *(German)* 2−23692
maglev transportation systems, high speed, state control of translational movement *(German)* 2−28185
military-vehicles using H_2 fuel cells 2−18459
satellite solar power system launch into geosynchronous orbit, transportation system and cost comparison 2−17461
spent reactor fuel, transportation containers, safety studies *(Polish)* 2−8232
Swiss nuclear power station, weak radioactive waste solidification and intermediate storage *(German)* 2−12366
telecommunication equipment, mechanical durability test, loads occurring during transport *(Hungarian)* 2−8255
TGV railway increasing speed to 260 km/h 2−18682
TGV railways raising speed up to 260 km/h on the newly opened Paris-Sud-Est line in France 2−18683
traffic-light problem, fixed-cycle, anal. 2−8435
travelling, minimum rectilinear distance paths finding, barriers' presence 2−357
transportation networks *see transportation*
transportation services *see transportation*
transportation systems *see transportation*
transverse rupture strength *see bending strength*
TRAPATT diodes
100 GHz solid-state devices for communications appls. 2−5364
operation and appls. for 1 GHz region 2−9230
operation for 100 GHz appls. 2−19874
P^+-n-n^+ and n^+-p-p^+ structures, plasma formation and extraction differences 2−5719
trapped electron centres *see F-centres*
trapped hole centres *see V-centres*
trapped plasma avalanche transit-time diodes *see TRAPATT diodes*
traps, electron *see electron traps*
travelling-wave-tubes
see also backward-wave tubes
700 W Ku-band TWT for Satcom ground terminals 2−9366
amplifier, freq. independent and freq. dependent nonlinear models 2−14589
amplifiers for use in SSB-AM 6 GHz radio system *(Japanese)* 2−24872
broadband, using second harmonic phase jump, nonlinear signal distortion reduction 2−20034
CECON 80 conference, Cleveland, OH, USA (May 1980) 2−8161
compression filter-matched, pulse response analysis 2−20032
COMSAT Intermodulation Analysis, multicarrier performance prediction, with two-carrier measurements 2−6797
cross talk performance compared to solid state power amplifer 2−6349
cyclotron amplifier with slow wave structure, theory 2−14586
efficiency improvement pyrolytic graphite multistage depressed collector electrodes with textured 2−9365
free-electron TWT, unguided TM_{01} gaussian mode amplification and generation 2−24881
gyro-TWT theory, appl. of soliton concept 2−14585
gyrotron, self-consistent large-signal interaction 2−14584
gyrotron amplifier, small signal bandwidth characteristics calculation 2−14588
gyrotron oscillator and amplifiers 2−24878
gyrotron oscillators, efficiency enhancement using profiled mag. fields 2−20027
gyrotron travelling tube amplifier, launching loss 2−24880
gyrotron travelling-wave amplifier, initial launching loss calc. 2−14587
gyrotrons, developments 2−24879
gyrotrons, theoretical work review 2−14569
helix TWT for transmitters in satellite Earth stations, 14 GHz, 250 W output power 2−5509
high performance dual-mode helix TWT, equipped with multistage depressed collectors, anal. and expt. results 2−20026
high power amplifiers with klystron/TWT combination, 5.9 to 6.4 GHz satellite ground station appl. 2−21787
high-efficiency TWT amplifiers, Ka-band, appl. in intersatellite links 2−5510
high-power amplifier, saturation, multicarrier performance prediction, with two-carrier measurements 2−6797
high-power TWT instability rel. to vacuum pressure and electrode struct. 2−20035
instability in region near limit of passband 2−1119
laser-induced traveling-wave device for generating millimeter waves 2−9227
magnetron-type TWT, amplification of fluctuating signals *(Russian)* 2−24873
magnetron-type TWT, desynchronism and HF losses, based on analytical theory *(Russian)* 2−24874
medium-power 6 GHz TWTs for low-cost unattended earth stations 2−9368
travelling-wave-tubes continued
microwave receiver with TWT at input, evaluation of sensitivity under interference conditions 2−1121
microwave tubes, used for communications satellites, charact. 2−9367
MM-wave high-power tubes 2−20036
multimode TWT, with multistage depressed collector, prediction and expt. verification of performance 2−9369
O-type, based on chains of nonidentical coupled resonators in linear mode, design 2−20030
O-type, frequency charact. of intermodulation oscillations for two- and three-signal amplification 2−20033
phase-stable TWT, operating eqn. derivation based on waveguide theory *(Russian)* 2−24875
phase-stable TWT, operating principles *(Russian)* 2−24876
reflex diffraction-radiation generator, starting current analysis 2−20031
see-through traveling-wave power amplifiers 2−20029
tapered wall gyrotron traveling-wave amplifier 2−24877
H_2 VUV laser excited by travelling wave discharge 2−1874
treatment, heat *see heat treatment*
treatment, patient *see patient treatment*
treatment, surface *see surface treatment*
treatment, water *see water treatment*
trees (mathematics)
see also network topology
alphabetic binary, set orderings 2−4839
arbitrary weight changes in dynamic trees (*) 2−4827
Aronszajn trees, free limits of forcing 2−4845
best Huffman trees 2−15827
bound and bound algorithm for the zero-one multiple knapsack problem 2−24196
cascaded multiterminal networks, computer generation of trees and co-trees 2−24349
compact groups acting on trees 2−13562
cubic graphs, constructing full spanning trees 2−8604
electrical measurements of graph complexity 2−13604
equiarboreal graphs 2−19171
generating algorithm for connected, nonorientated, simple graph 2−4873
graceful trees, another class 2−8621
Helly-type property of non-trivial intervals on a tree 2−24171
heuristic algorithms for rectilinear Steiner trees 2−19935
inverse limit description of an atriodic tree-like continuum and an induced map without a fixed point 2−13566
locally finite trees reconstruction 2−338
matching forests, optimum, general weights 2−19217
matching forests, optimum, polyhedra facets 2−19218
matching forests, optimum, special weights 2−19216
maximal trees, appl. to piecewise linear function on tetrahedra *(French)* 2−361
nearest neighbour array tree embedding 2−4883
parallel algorithms for the minimum spanning tree problem 2−4882
parallel foliations, stability theorem 2−19234
proving lower bounds for linear decision trees 2−19247
random game trees, winning moves distrib. 2−4852
shifting alogrithm for min-max tree partitioning 2−19186
shortest path 2−19225
stochastic spanning tree problem 2−24195
symbolic analysis of circuits containing active elements 2−8937
tests of phylogenetic hypotheses under generalized models 2−4874
universal caterpillars 2−19203
triboelectric emission *see electron emission*
triboelectricity
see also static electrification
vibrating systems dynamics modelling in electron-ion technology units 2−25910
Z 2−7178
triboluminescence
SiO_2 core optical fibre, tribolum. spectrum 2−25477
trigger circuits
see also flip flops; multivibrators
analogue information processing, module units *(German)* 2−5131
calorimeter trigger system for the ISR Axial Field Spectrometer 2−17300
coaxial cable fault location using Schmitt triggers 2−14325
complex waves shapes, observation triggered delay appl. *(Spanish)* 2−22309
electronic sound generator cct. using Schmitt trigger ICs for simulation of chirping of canaries 2−6953
microprogrammable processor ESOP in the AFS trigger system 2−17301
online trigger filtering at CERN ISR 2−17299
pulse-lengthener cct., using CMOS OR gate 2−24468
reed switches in waveform generator ccts. 2−14255
serial line fault injector, clamping of line to ground for short periods 2−14242
shift register latches in trigger array 2−5202
storage ring experiments, two-level triggering 2−17306
TDM data transmission systems appl. *(German)* 2−26273
tone burst generator, using CMOS quad NAND Schmitt trigger 2−16700
zero voltage switches, IC realisation, thyristor trigger appls. 2−19820
triode sputtering
$(Hg_{1-x}Cd_x)Te$ RF triode-sputtering film for IR detector arrays 2−9436
triodes
induction heating, generator with negative feedback self-controlled triode, performance anal. using computational model 2−28237
triplet state
luminescence, conference, Berlin, Germany (July 1981) 2−23864
trolleybuses *see road vehicles*
tropospheric electromagnetic wave propagation
British Telecom International troposcatter system 9.6 kbps data tests 2−10986
centimetre and millimetre wave scattering due to rain and hail, summary of studies 2−10468
clear weather effects at freq. above 1 GHz 2−10486
clouds radar apparent reflectivity at attenuation wavelength, distrib. calc. 2−21106
coherent polarization-diversity radar, propag. effects 2−25948
cross polarisation on microwave links during precipitation, review 2−10493
cross-polarization discrimination meas. at 11 and 17 GHz 2−10471
digital single antenna tactical tropo system, TACTROPO 2−10977

tropospheric electromagnetic wave propagation continued
digital tropo tactical communication equipment 2−21731
digital troposcatter, conf., London, 1981 Oct. 2−10969
duct attenuation field, refractive index fluctuations effect 2−25950
excess path length analysis using radiosonde data *(Japanese)* 2−25956
fading investigations on two hops with different length and with optical range at 7.5 GHz/ *(German)* 2−2153
ground-wave propagation, theory for medium and long distances 2−6324
ground-wave propagation, theory for short distances 2−2136
HF ground wave propagation over mixed land, sea, and sea-ice paths 2−2139
HF propagation over sea ice, remote sensing possibilities 2−2138
IR and visible radiation propag. in rain and snow 2−25967
Japan's communication satellite, propagation experiments *(Japanese)* 2−15710
microwave attenuation by rain rel. to star network design *(Hungarian)* 2−10475
microwave line-of-sight path propag. multipath fading and ducts 2−6336
microwave link, rain attenuation meas. over New Delhi with radiometer at 11 GHz 2−10476
microwave links, cross polarization during clear air conditions 2−10488
microwave links, tropospherically-conditioned availability, prediction *(German)* 2−26421
microwave telecommunication links, influence of tropical rain 2−25962
microwaves, radio-refractivity changes associated with sea and land breezes 2−6331
microwaves absorption by cloud and rain, computation method 2−3601
mm-wave attenuation in cloudy atm. 2−2145
NATO troposcatter link, Scandinavia, 25 years of operating experience 2−10985
North Sea troposcatter link, angle and space diversity tests 2−10509
OTS beacon meas., correlation with radiometer and rainfall data 2−11050
overwater mm and cm radiowaves, energy spectra charact. of amplitude and arrival angle fluctuations 2−21102
radar (5 cm) detection of storms, attenuation problems 2−15686
radar echoes from pre-monsoon squalls over Dum Dum, India, 1975 to 1979 2−3603
radar reflectivity factors for water and ice, depend. on radar wavelength 2−2144
radio link for NE Shetland basin oil platforms communications 2−10956
radio refractivity over equator and S. Arabian Sea, Monex-1979 data 2−3602
radiowave depolarization by atmospheric hydrometeors, review 2−10494
radiowave propagation, computed transmission through rain in 1 to 400 GHz range 2−10466
radiowave refractive index spatial structure at coastal site 2−2151
radiowaves, rain fade duration statistics, anal. of presentation 2−21109
rain, attenuation coeffs., absorpt. coeffs. and radar refl. factor, depend. on freq. and temp. 2−25959
rain anisotropy prediction above 10 GHz 2−10497
rain attenuation, effects on digital microwave radio systems 2−26397
rain attenuation, freq. scaling using path-averaged drop size distrib. 2−25947
rain attenuation, long-term statistics analysis 2−25946
rain attenuation measurement using dual-frequency radar 2−21108
rain attenuation statistics, freq. scaling at two freq. 2−25939
rain attenuation statistics of 12 GHz rel. to Japanese satellite broadcasting service *(Japanese)* 2−15702
rain depolarization, short-term statistical vars. analysis 2−25945
rain depolarization and attenuation, joint statistics analysis 2−25944
rain-induced attenuation at 36 GHz and 55 GHz 2−25964
rainfall attenuation on Earth-space links, prediction 2−10492
rainfall attenuation on microwave links, prediction 2−10491
refraction, correction for appl. of NAVSTAR Global Positioning System to geodesy 2−7409
satellite link, attenuation due to rainfall and sensitivity to parameters *(French)* 2−10469
satellite link rain attenuation in range 10-100 GHz, Microsoft BASIC program Apple II-Plus computer 2−16416
scatter communication, review 2−10970
scatter propagation, in radar scatt. theory 2−11107
scattering of microwaves and MM waves by hydrometeors 2−10490
scintillation phenomena, refractive scatt. theory 2−21068
sea surface effects, theoretical discussion *(German)* 2−15676
SHF cloud-produced amplitude scintillation 2−10496
short MM-radiowave attenuation in rain expt. and theoretical results for 7.7 km link 2−2149
site diversity meas. of low-angle fading and comparison with theoretical model 2−10470
thunderstorms radar echoes, relation of radar-estimated rainfall to satellite-based intensity 2−7434
transhorizon propagation phenomena, review 2−10489
troposcatter, propagation characteristics 2−16340
troposcatter digital link performance prediction, multipath dispersion 2−10508
troposcatter high capacity digital transmission, system design constraints 2−10973
troposcatter links, digital system specifications 2−10971
VHF ducting, modal eqn. roots 2−21100
VHF radar, specular echoes, Fresnel scattering model 2−26520
VHF radar used to determine troposphere/stratosphere/mesosphere wind and turbulence 2−3598
VHF/UHF supernormal propag. over Bay of Bengal 2−6332

truth tables *see logic design*

TSC *see thermally stimulated currents*

TSCD *see thermally stimulated currents*

TSD *see thermally stimulated currents*

Tsypkin criterion *see Popov criterion*

TTL *see transistor-transistor logic*

tubes, cable *see electric conduits*

tubes (electronic) *see electron tubes*

tuners *see tuning*

tuning
see also laser tuning; receivers; resonance
AM/FM tuning systems using PLL frequency synthesis, Mitsubishi Electric product 2−19603
automatic E-H tuner, for microwave radiometer, using logic cct. 2−17350

tuning continued
automatic tuning in radio and TV, D-A conversion using IFO counters *(German)* 2−2889
car-radio receivers, automatic tuning system, microcomputer control *(Japanese)* 2−11186
crystal calibrator cct. for radio receivers 2−26617
digital, maintenance appl. *(German)* 2−9176
digital synthesizer LSI for FM/AM receivers 2−6913
digital TV tuning system with DIFMOS nonvolatile memory 2−2895
fast-scan amateur TV reception, tuner modification 2−16606
FM radio broadcasting, digital station and programme identification message 2−11142
FM signal programmable freq. synthesis generator *(Polish)* 2−2679
FM synthesizer-tuner with automatic sender identification, using microcomputer, digital storage *(German)* 2−26614
FM varicap tuner, six-channel touch station selector 2−6911
frequency synthesis methods *(German)* 2−11177
frequency synthesis tuning system for colour TV, microcomputer controlled 2−2896
frequency synthesizers for VHF reception *(German)* 2−14000
Grundig Super-Color TV set, tuner-IF combination *(German)* 2−16591
Grundig Super-Color TV set, tuning unit *(German)* 2−16595
high selective factor tuning cct. using reactance cct. 2−9185
planar antenna-coupled supercond.-insulator-supercond. devices for detect. and mixing above 100 GHz 2−20600
proton-proton (antiproton) storage ring, amplitude growth 2−3326
quartz oscillators, freq. detuning *(Czech)* 2−5876
radio teleprinter communication home-made tuning indicator *(German)* 2−10797
selectivity improvement in amateur radio receivers, FT 500 example 2−16342
Siemens Radio System, microcomputer-controlled tuning system *(German)* 2−16587
Siemens TUA2000 VHF tuner IC, charcts. *(German)* 2−21936
solid state receiver incremental tuning switch, amateur CW operations appl. 2−10976
ST-6000 tuner, microprocessor control for broadcast freq. selection and stat ion name/freq. display *(German)* 2−2984
stereo tuner with frequency synthesizer for high quality Hi-Fi set up *(German)* 2−11182
storage rings, nonlinear coherent effects between bunched colliding beam 2−3325
stripline bandpass filter, stepped coupled lines 2−9211
T1060, Yamaha slim-line hi-fi tuner unit *(German)* 2−16588
touch activated programmer switch, multichannel 2−987
TV colour receivers, convergence tuning *(Russian)* 2−11191
TV IF frequency fine tuning by variable capacitance diodes, IFO counter storage, range/channel display *(German)* 2−11176
TV receiver, Lucius & Baer storage oscilloscope appl. *(German)* 2−3174
TV sound tuner, providing high quality audio output 2−21938
two-element tuning circuit for NMR magnetometer, prop. anal. 2−9018
YIG tuned microwave transistor oscillators, design *(German)* 2−5140
GaAs wideband tunable mm-wave Gunn oscillator design 2−14297

tunnel diode amplifiers
microwave and digital applications 2−9223

tunnel diode oscillators
cryogenic oscillators, stabilisation using supercond. cavities 2−19585
pulsing of tunnel diode LC oscillator sensors 2−16963

tunnel diode storage devices *see tunnel diodes*

tunnel diodes
see also tunnelling
back diodes, charcts., technology 2−1337
DC coupled detectors appl. 2−5724
MOM diode, heterodyne anal. 2−9519
n^+/p^+ tunnel junction, MBE, ohmic contact for cascade solar cell 2−4345
replacement with bipolar transistors and op. amp. ICs *(Bulgarian)* 2−853
GaAs MM-wave abrupt p-n junction MITATT diodes, theory, operation from 100-800 GHz 2−19890
GaAs n^+/p^+ tunnel junction, MBE, ohmic contact for cascade solar cell 2−4345
n-GaAs tunnel diode, excess current behaviour, electron irrad. effects 2−20232
GaAs-$Al_{0.5}Ga_{0.5}As$-GaAs tunnel diodes, expt. results 2−25183
$Hg_{1-x}Cd_xTe$ abrupt junction TUNNETT diodes for MM-wave appls., theory 2−19892

tunnel effect *see tunnelling*

tunnel triodes *see thin film transistors*

tunnelling
see also superconductive tunnelling; tunnelling spectra
C Si:H, amorphous, MOS solar cell, fundamental tunnelling process 2−25084
capacity and quantum mechanical tunnelling 2−4781
electrodes, metallic, conduction by tunnelling across energy bands of amorphous substrate *(French)* 2−14735
high-speed transient effects in chalcogenide glasses 2−24999
ion beam oxidation technique 2−1308
laser tunnel mode locking theory *(Russian)* 2−10320
MIM devices, nonuniformities in ultra-thin oxide layers, effects on props. 2−9521
MIM structures, resonant broadening of trap assisted tunnelling 2−14733
MIM tunnel junctions; low freq. noise model 2−25102
MIS devices, nonuniformities in ultra-thin oxide layers, effects on props. 2−9521
MIS tunnel structure, photoelectric props. 2−9514
MNOS capacitors, high electric field effect on C-V characteristics *(Japanese)* 2−1246
MNOS transistor, memory retention, high temp. H_2 annealing effect 2−1379
semiconducting electrodes, stabilising by means of redox systems 2−9526
solid-state devices, conf., Toulouse, France (Sept. 1981) 2−23892
SOS devices, nonuniformities in ultra-thin oxide layers, effects on props. 2−9521
tunnel insulator-semiconductor interface appl. 2−25097
tunnel junctions, fabrication by mask changing device *(Spanish)* 2−20274
Al-Al_2O_3-Ag MOM tunnel structs., surface plasma oscills., dispersion anomalies 2−9520
Al-Al_2O_3-Ag tunnel structures, dispersion anomalies of surface plasma oscills. 2−14737
Al-n-SiC, Schottky diode, elec. props. *(Russian)* 2−25201

tunnelling continued
Al-SiO_x-Si tunnel MIS structures, photoresponse, current-voltage, luxampere, freq., and load characts. 2−10160
Au/Si_3N_4/p-Si structure, charge transfer, temp. depend. 2−9508
C resistance thermometer, electron tunnelling 2−22258
CdF_2:Ho^{3+}-Au LED, electrolum. 2−25641
$Cd_xHg_{1-x}Te$ p-n junction IR photovoltaic detectors, elec. props. 2−15406
$Cu_{2-x}S$-ZnS heterostruct., electroluminescence 2−10164
GaAlAs p-n junction characters., effect of X-ray irradiation *(Russian)* 2−14687
GaAs p-n junction characts., effect of X-ray irradiation *(Russian)* 2−14687
GaAs-$Al_{0.5}Ga_{0.5}As$-GaAs tunnel diodes, expt. results 2−25183
GaAs-$Al_xGa_{1-x}As$ heterojunctions, transport props., TEGFET and tunnelling device appls. 2−25068
GaAs-strained GaAsP-GaAs (100) heterostructure, electron transmission probabilities 2−5609
GaP-Au surface barrier structs., elec. breakdown mechanisms 2−9501
Ge-GaAs interface grown by MBE 2−1217
$In_{0.53}Ga_{0.47}As$ avalanche and PIN diodes, dark currents and min. detectable powers 2−15408
InGaAsP, avalanche and PIN diodes, dark currents and min. detectable powers 2−15408
InSb-based MIS struct., carrier generation processes under nonequilib. depletion conditions 2−9516
$In_{2-x}Sn_xO_{3-y}$-Si_3N_4-pSi tunnelling solar cells under concentrated light illum., conversion efficiencies 2−23618
$In_{2-x}Sn_xcO_{3-y}$-SiO_x-pSi tunnelling solar cells under concentrated light illum., conversion efficiencies 2−23618
Nb-oxide-Ag junction, tunnel barrier modification by Al monolayers 2−1255
$Pb_3Rh_7O_{15}$ thick film resistor, cond. mech. and 1/f noise 2−958
$Pb_2Ru_2O_7$ thick film resistor, cond. mech. and 1/f noise 2−958
PbS, PbSe abrupt p-n junctions, R_0A product, dopant conc. effect 2−14681
$Pb_{1-x}Sn_xSe$ photovoltaic detectors, minority carrier lifetimes, resist.-area product 2−15374
$Pb_{1-x}Sn_xTe$ diode lasers, tunnelling-determined threshold current 2−1939
Si film, semi-insulating polycryst., elec. cond., O content depend. 2−1150
Si-SiO_2-Al structure, Fowler-Nordheim electron tunnelling 2−14710
Si-SiO_2-Al structures, electron tunnelling 2−9503
$SmCo_5$ sintered mag. alloys, domain wall pinning and nucl., mag. viscosity obs. 2−15132
n-$SrTiO_3$, semiconducting electrodes, anodic/cathodic photocurrent transition meas. 2−10110
n-TiO_2, semiconducting electrodes, anodic/cathodic photocurrent transition meas. 2−10110
ZnS:Mn AC thin electrolum. devices, modelling 2−6113
Zn_2SiO_4:Mn phosphors, electron trapping and luminesc. mechanisms, tunnelling model 2−1795

tunnelling spectra
Al-AlO_x-Pb(Ag) structure, inelastic electron tunnelling spectroscopy 2−14734

tunnels, wind *see wind tunnels*

turbidimeters *see turbidimetry*

turbidimetry
bacterial testing system, microcomputerised, simultaneous meas. of elec. impedance and turbidity *(Japanese)* 2−27116

turbine generators *see turbogenerators*

turbines
see also compressors; gas turbines; hydraulic turbines; steam turbines; turbogenerators; wind turbines
aerodynamic research, digital data acquisition and anal. system 2−26800
axial flow turbomachine performance prediction study 2−7590
engine/generator handling and foundation and piping for reliable operation 2−18936
failure, fragment kinetics 2−17849
pump-turbine boundary conditions modelling in pumped storage scheme simulation 2−23194
technology for reducing radial play in turbine bearing seals *(Russian)* 2−27595
use of the air turbine as a power take off mechanism in wave energy converters 2−23176
wind energy conversion systems simulation for electric utility appl. 2−23234
NH_3 turbine design for OTEC plants 2−7781

turboalternators *see turbogenerators*

turbogenerators
300 MW turboalternator, short cct. tests on dynamic torsional response 2−4025
300 MW turboalternator, torsional oscillations damping anal. and obs. 2−4026
500 MW, two-pole, with water-cooled rotor winding, design and manuf. *(Russian)* 2−4037
800 MW generator bus-bars phase-by-phase screened 3-phase current conductor electromagnetic field numerical anal. 2−27870
1000 MW cross-compound steam turbine generator, Mitsubishi Electric product 2−23101
acoustic emission monitoring of fossil fuel power plants, critical assessment 2−18003
aerodynamic research, digital data acquisition and anal. system 2−26800
aerospace test facility, transonic cascade tunnel for testing turbomachinery blade cascades 2−12011
aerospace turbomachinery flow diagnostics, using holographic interferometry and laser anemometry 2−12041
alignment of supporting bearings of the 800 MW turbo unit 2−18172
alternator-rectifier excitation system models and verification tests 2−18344
complex of operations for increasing reliability of hydraulic turbogenerator units of the AT-Bashinsk hydroelectric power plant 2−12532
control technique for gas turbine generating set *(German)* 2−23145
cooling medium performance 2−4045
cryoturbogenerator nonsteady-state electromagnetic field in presence of abrupt three-phase short circuit 2−27882
cryoturbogenerator rotor shells, EM forces and losses, two-dimens. model 2−18159
cryoturbogenerator windings, cooled by thermosiphon method, optimum parameter choice 2−18160

turbogenerators continued
design considerations for small wind energy conversion and storage systems 2−18136
electromagnetic and thermal processes in a turbogenerator stator core with shorting of active steel laminations 2−4033
evaluating the adjustment parameters of controllers for large turbogenerators 2−27721
excitation loss detection response and selectivity anal. using mathematical model 2−27869
field suppression methods 2−4098
finite element solution of eddy currents in asynchronous generator rotors 2−4103
flux penetration into saturating steel, in presence of transverse fields 2−12590
fusion reactor feedwater temp. control *(Russian)* 2−23014
high power turbosets, parasitic currents, causes and measures 2−12476
hydraulic, design procedures and performance anal. 2−4095
hydraulic turbine generator, asynchronous operation anal., math. model *(Russian)* 2−3963
hydroelectric turbogenerator rotor balancing method *(Russian)* 2−27789
impact loading of isolated generators 2−17968
integrated optimal control of large turbo-generator set and tests on micro-alternator system *(Chinese)* 2−27878
investigating the temperature conditions of complete phase-separated screened bus trunking *(Russian)* 2−27872
laboratory model, indirect identification and control 2−7811
large generators construction problems *(German)* 2−12583
large rotor unbalance on turbine-generators with fixed arc journal bearings in fossil-fired plants, protective measures. 2−12597
large turbine-generator, EM forces on armature end windings, steady state performance anal. 2−12588
load control system *(Russian)* 2−23092
Mitsui advanced turbogenerating system for waste heat recovery in motor ships *(Japanese)* 2−28154
monitoring, shaft vibration and direct phase angle meas. *(German)* 2−27654
nuclear power plant turbine-generator licensing and regulatory requirements 2−23029
nuclear power stations, design and manufacture in Soviet Union 2−12601
on-line diagnostics using RF monitoring for internal arc detect. 2−23258
operating charcts. measurement in test department 2−27860
operating disturbances, generating unit mechanical and electrical system interaction 2−3790
optimization of initial values of mechanical variables of turbine-generator units in an electromagnetic transients program 2−23260
parameters of equivalent loops in equivalent circuits for the rotor of a generalized turbogenerator 2−18171
permanent rare-earth magnet air turbogenerator, design and performance prediction 2−18175
progress in the construction of large hydraulic power generators *(German)* 2−27780
rotor unbalanced faults computing, heating effects prediction 2−7808
rotors, Ti band rings utilisation, experience 2−4035
rotors heat flow, finite element anal. 2−18156
saturation effects representation methods comparison *(Italian)* 2−18162
series capacitor compensated, subsynchronous resonance calc. 2−4081
shaft damage by electric arc, thermal processes digital simulation *(Czech)* 2−12584
shaft potentials and bearing currents calc. 2−4096
shafts, fatigue damage due to fast reclosing, math. model 2−23261
ship-board, two-pole alternators, new series *(Japanese)* 2−7828
single machine high frequency excitation system of turbogenerators of the type TVV-320-2 and TVV-500-2 2−12602
slot leakage inductances numerical calc. model 2−4093
spectral analysis and other methods in turbomachinery shutdown decisions 2−27874
steady state operation, finite element anal. 2−18167
steam turbine-generator underfrequency protection criteria 2−23116
subsynchronous resonance, laboratory measurements 2−7504
subsynchronous resonance in HV networks, protective measures 2−7475
subsynchronous resonance with reference to Koeberg and the series-compensated transmission system 2−3737
superconducting excitation windings, construction and charcts. *(German)* 2−27862
superconducting multifilamentary Roebel bars, power losses 2−4028
tandem-compound 1800 rev/min turbine-generators for largest superheated steam supply sources 2−18020
thermal performance monitoring system development 2−17973
torsional fatigue life reduction, due to large scale disturbances under fast valving control 2−27859
torsional vibration and fatigue of turbine-generator shafts 2−12587
transient heating in turbine generators due to unbalanced faults 2−4047
transient thermal analysis of turbo-generator rotor by finite element method 2−4042
transients high and low cycle fatigue 2−4089
turbine-generator loss-of-life analysis after faulty synchronisation 2−23282
turbine-generator monitoring for operational integrity 2−7703
turbopump for feeding district heating power plants, reliability and feasibility *(Rumanian)* 2−12459
two-pole turbogenerator with intermediate bearings 2−4094
uprating turbine-generators 2−17976
wind turbine generator resynchronisation methods 2−7792

turbulent diffusion
No entries

Turing machines
see also automata theory
complete sets for the second level of the log-space hierarchy 2−13511
nondeterministic Turing machines, class of acceptable sets 2−24080

TV *see television*

twin boundaries
semiconductor material/device characteris. using two-wavelength laser scanner 2−10405
SOS films with negative and positive interfacial charges 2−5639

twinning
see also twin boundaries
quartz, ferrobielastic switching, effect on piezoelec. elements, stress distrib. anal. 2−20449
silicide films, single crystalline, formation on Si substrate 2−582
Ge, amorphous, solid-phase epitaxial crystn. on Si (100) 2−8809

twinning continued
InP, growth and cryst. quality by liq. encapsulated Czochralski technique 2−4983
Si film on sapphire, implanted, laser annealed, dislocations, twins 2−14798
Si-Al-(111)Si structures, redistrib. of Si at low annealing temps 2−5627

twistors *see magnetic storage*

two-dimensional digital filters
acoustic image processing by two-dimensional digital filtering 2−26148
design using logarithmic number systems 2−9155
fan filter, design 2−9158
fan filter, design technique 2−845
first-order all-pass network realisation 2−5294
recursive, CAD to specified stability margin 2−9154
recursive, design method 2−19799
recursive, necessary and sufficient conditions for stability 2−6442
recursive, symmetry exploitation in design and implementatio n 2−6431
recursive, two stage stability test 2−14220
recursive, with coefficients of finite word length, design procedure 2−19801
recursive digital filters, spectral factorisation technique 2−848
stability theorems, 1-D and 2-D, for discrete systems 2−15903
state-space, stability and overflow oscillations 2−15894

two-photon spectra
methyl fluoride, optically pumped, vibr. matrix elements determ. using heterodyne meas. of two-photon splittings 2−25703
plasma, graded density, with colloidal net, second harmonic generation 2−2157
semiconductor, optical nonlinearity and bistability due to biexciton form. 2−25840
CdS(Se), luminescence, time-resolved picosecond, at high excitation 2−25592
CdTe-ZnSe heterojunction, photo-EMF anomalous mechanism under two-photon excitation 2−14685
He-Ne cascade laser, two-photon amplification 2−10221
$ThBr_4$:Np^{4+}(U^{4+}), IR to visible up conversion effect, absolute oscillator strengths *(French)* 2−20946
ZnSe single crystals subjected to one-and two-photon excitation, luminesc. and lasing 2−20869

two-photon spectroscopy
third-harmonic emission at a two-photon resonance/ by focused beams/; optimum conversion conditions/ 2−2018

two-term control
induction motor triac speed control, PLL techniques and transfer functions 2−4185
transistor chopper driven, DC motor performance anal. 2−4229

TWT *see travelling-wave-tubes*

Tyndallometry *see turbidimetry*

type fonts *see character sets*

type I superconductors
Nb-Nb_xO_y-Pb Josephson tunnel junction, structural anal., for voltage standard 2−5943

type II superconductors
see also magnetic superconductors; mixed state
A15 compounds, stabilisation of stoichiometric composition, critical temp. 2−1595
A15 compounds and elementary composite superconds., supercond. props. alteration by elastic strain 2−9891
A15 microcomposite superconductors, hot powder metallurgical prep. 2−5929
amorphous alloys, supercond. props., review 2−15239
filamentary A15 superconductors, conf., Upton, NY, USA (May 1980) 2−4577
filamentary A15 superconductors, developments in Japan, review 2−5918
filamentary A15 superconductors, developments in the UK, review 2−5920
flux flow noise during inhomogeneous vortex motion, dependence on DC-velocity field 2−25446
multifilamentary A15 superconductors, development at Airco (USA) 2−9889
multifilamentary A15 superconductors, developments at IGC (USA), review 2−5921
multifilamentary A15 superconductors, developments in Germany, review 2−5919
multifilamentary A15 superconductors, prep. by infiltration process 2−5931
multifilamentary composites, crit. current strain depend., use of MAXIM-SUPER computer program 2−9907
rectangular wires carrying axial current 2−1602
Al/Nb-Ti composite supercond., strengthened, fabrication, energy storage appl. 2−9903
Al/NbTi-Cu composite supercond. for tokamak toroidal field coils 2−9961
Al-Au dilute alloy for moderate-strength, high cond. appls. 2−5932
Al-Co dilute alloy for moderate-strength, high cond. appls. 2−5932
Al-Ni_3Sb dilute alloy for moderate-strength, high cond. appls. 2−5932
Cu-V_3Ga composites, in situ prep., supercond. and mech. props. 2−9905
$DyMo_6S_8$, antiferromag. supercond., mag. order effect on H_{c2} 2−9888
$GdMo_6S_8$, antiferromag. supercond., mag. order effect on H_{c2} 2−9888
$(Nb,Ta)_3Sn$ multifilamentary wires, bronze process fabrication, supercond. props. 2−9899
Nb noble metal clad wires, proximity effect model 2−20557
Nb, reactive ion etching, electrodes for Josephson ccts. and microbridges 2−20564
Nb superconducting bridge, short variable-thickness, vortex flow regime 2−5940
Nb weak-link Josephson single-flux-quantum logic circuits 2−9910
Nb-amorphous Si-Nb Josephson digital devices, upset events under α-particle irradiation 2−15244
Nb-Au(Cu)-Nb microbridges, fabrication, elec. props. and modelling 2−25451
Nb-Ge film, prep. and anal. by electron beam co-evaporation *(Chinese)* 2−19432
Nb-Ge films, DC sputtering prep. and struct. rel. to supercond. props. 2−20556
Nb-Ge supercond. film, high Tc, prep. and anal. *(Chinese)* 2−5032
Nb-Hf/Cu-Sn-Ga, multifilamentary supercond., crit. current, strain effects 2−9886

type II superconductors continued
Nb-Nb_xO_y-Pb Josephson tunnel junction, structural anal., for voltage standard 2−5943
Nb-Ti alloy, superconductors, present status and pot. for improvement 2−9890
Nb-Ti superconducting cable, multistrand, monolithic terminations 2−7556
Nb-Ti/Cu composite superconductor, formvar coated, supercond. recovery from postquench conditions 2−5934
Nb-Ti-Ta(Hf), supercond. crit. field, H_{c2}, enhancement by alloy additions 2−9902
Nb_3-Sn-Nb-bronze composites, supercond. props., stress effects 2−9906
$Nb_3(Al_{0.75}Ge_{0.25})$, supercond. wire, manufacture from powder *(Chinese)* 2−19468
Nb_3Ge composite tape conductors, total AC losses 2−20555
Nb_3Ge, exchange interaction, CESR and spin wave behaviour 2−1597
Nb_3Ge film, hollow cathode magnetron sputtering on continuous stainless steel tape 2−19433
Nb_3Ge layer, vapour-deposited on stainless steel tape, thermal cond. 2−15236
Nb_3Ge long tape with T_c above 20K 2−5916
Nb_3Ge, supercond. Tape, preparation by continuous CVD process *(Chinese)* 2−19431
Nb_3Ge, thin film, disorder and upper critical field 2−1596
Nb_3Si, A-15 cpd., synthesis *(Japanese)* 2−612
Nb_3Si, exchange interaction, CESR and spin wave behaviour 2−1597
Nb_3Sn, bronze-processed superconductor 2−5917
Nb_3Sn cable-in-conduit force-cooled superconductor, stability meas. 2−5976
Nb_3Sn composite supercond., cooled by normal and superfluid He, stability 2−15237
Nb_3Sn composite-processed, alloying addition effect on comp., growth rate and supercond. props. 2−9883
Nb_3Sn conductors as AC transmission cables, props. 2−9896
Nb_3Sn, EM props. calcs. 2−9897
Nb_3Sn, exchange interaction, CESR and spin wave behaviour 2−1597
Nb_3Sn, filamentary, supercond. props., stress effects, mag. fusion energy program appl. 2−15240
Nb_3Sn filamentary superconductor manufactured by solid-liq. diffusion process 2−5922
Nb_3Sn, multifilamentary, strained, self-healing effect 2−9885
Nb_3Sn, multifilamentary, internal bronze fabrication, supercond. props. 2−9900
Nb_3Sn, multifilamentary, crit. current strain depend., use of MAXIM-SUPER computer program 2−9907
Nb_3Sn multifilamentary conductors, H effects on current density 2−1632
Nb_3Sn multifilamentary conductors, Al, Cu stabilised, heat pulses effects 2−5969
Nb_3Sn multifilamentary conductors, bending, tensile stress effect on critical currents 2−7555
Nb_3Sn multifilamentary superconductor, manufacture by external diffusion method 2−5923
Nb_3Sn multifilamentary superconductor, strain-scaling law, uniaxial and bending strains 2−5926
Nb_3Sn multifilamentary supercond. for high field test facility at Lawrence Livermore Lab. 2−15282
Nb_3Sn multifilamentary wires, low temp. phase transform. and strain depend. of critical current density 2−1599
Nb_3Sn multifilamentary wire, crit. current in high mag. field 2−1601
Nb_3Sn multifilamentary wires, crit. current and pinning behaviour, 4.2K to crit. temp. 2−9898
Nb_3Sn multifilamentary wire, fabrication for DC power transmission lines 2−9901
Nb_3Sn multifilamentry wires, in situ prep., high field crit. current density, mech. stresses effect 2−9904
Nb_3Sn, strain effect on critical current 2−1600
Nb_3Sn superconducting cable, internally cooled, performance in solenoid 2−5974
Nb_3Sn superconducting cable, multistrand, monolithic terminations 2−7556
Nb_3Sn superconducting tape, self-magnetic field measurements *(Slovak)* 2−5914
Nb_3Sn superconducting tape, AC losses and stabilization 2−5933
Nb_3Sn tapes, CVD, dynamic stability *(Chinese)* 2−20554
$Nb_3Sn/Cu/Nb_3Sn$, high transition temp. supercond.-normal supercond. microbridge 2−15266
Nb_3Sn/Nb-Ti composite-processed superconductor, high field props. 2−9882
Nb_3Sn-Cu filamentary superconducting wire, in situ prep. and props. 2−5928
NbTi, multifilamentary, AC losses in pulsed mag. fields 2−17743
NbTi, neutron irrad. effects on critical current pinning 2−1638
NbTi-based alloys, critical current density in high fields 2−1594
$PbMo_6S_8$ wires, critical current density, critical field 2−9908
$Pb_{0.9}Mo_6S_{7.5}$, ultrahigh critical mag. susceptibility 2−1593
Si:P-Nb Josephson struct., high resistance 2−25455
$TbMo_6S_8$, antiferromag. supercond., mag. order effect on H_{c2} 2−9888
V-Ga wires and tapes, quench cracking, low-temp. brittleness, transition temp. 2−8842
V_3Ga bronze processed wires, effect on props. of adding In, Zn, Mn 2−5915
V_3Ga, tape, superconducting shielding tube test 2−2163
V_3Ga wire, superconducting props., formation temp. effects 2−5924
V_3Si, defect structures determ. by ion channelling and X-ray diffr. 2−25442
V_3Si, exchange interaction, CESR and spin wave behaviour 2−1597

typesetting, computer-controlled *see computer controlled typesetting*

typewriters
see also keyboards; teleprinters; word processing
electronic, DC motor print shaft drive, cooling, paddle wheel exhaust fan system 2−27940
electronic, seven-segment alphanumeric display for error indication 2−3226
electronic aids for handicapped and disabled 2−7344
with electronically produced voice for blind or partially sighted person 2−2305
IC motor drive system for daisy-wheel printers and typewriters *(Swedish)* 2−18629
print velocity pendulum for quality control appls., typehead velocity meas. 2−19013

UBV photometry *see stellar photometry*
u.h.f. amplifiers *see ultra-high-frequency amplifiers*
u.h.f. tubes *see ultra-high-frequency tubes*
ultimate tensile strength *see tensile strength*
ultra-high-frequency amplifiers
see also microwave amplifiers
transmitter-amplifier module using strip line techniques 2−14289
ultra-high-frequency tubes
see also microwave tubes
four pole electron tube for radio and TV transmitters *(Japanese)* 2−20016
injector for linear electron accelerator 2−27024
ultrafiltration *see filtration*
ultrasonic absorption
GaAs, temp. and frequency dependence of US attenuation coefficient 2−20077
metal, sound attenuation and dispersion, self-excited oscillator for contactless study 2−26994
metals, sound attenuation and dispersion, self-excited oscillator for contactless study 2−26994
ultrasonic applications
see also biomedical ultrasonics; ultrasonic materials testing; ultrasonic welding
aqueous cleaning and vapour degreasing appl. 2−27321
beef grading by richness of reflections in US A-scan signatures 2−3656
clamp-on US flowmeter characts. 2−3655
decapsulation of silicone potted electronic assemblies by US stirring, failure analysis appl. 2−4662
distance measurement used for automatically, focused camera lenses 2−11614
FD-700 digitalized US test equipment, microcomputer appl., fault testing, precision appl. *(Japanese)* 2−11359
fine wire drawing 2−27317
flow meas., using cross-correlation technique 2−3100
imaging, lateral resolution improvement 2−22764
imaging, Z 2−12116
imaging techniques including medical appl. *(Japanese)* 2−17355
in-service inspection using data acquisition and processing system *(Japanese)* 2−16881
instrument for selective modification of planar circuits 2−1406
laser machining using CO_2 laser, fundamental study 2−2060
machining, state of art 2−12115
new method of cleaning metal objects 2−18992
PCB resist stripping process, US appl. 2−14506
radial-mode US vibratory systems for metal forming, effect of load impedance on response characts. 2−3658
robot, multi-sensor system using three-dimensional vision 2−7093
static measurement of flow in a heat meter, from Landis & Gyr. 2−17156
steel cans, weld signature US verification, report 2−27323
temperature controller using sing-around technique 2−17611
thickness meas. of pipes and containers, steel roducts meas. appl. *(German)* 2−17129
ultrasonic auditory stimulator 2−22762
US flowmeters, self-balancing AC potentiometer *(Russian)* 2−16754
Al wire bonding to thick film Cu conductors 2−9342
AlGaAs lasers with micro-cleaved mirrors suitable for monolithic integration, US technique for micro-cleaving 2−25773
Na cooled breeder reactor, distance meas. under Na by ultrasonic means *(German)* 2−9838
Zn electrodeposition from zincate bath with ultrasonic agitation 2−23817
ultrasonic delay lines
dispersion delay lines, compressed linearly-frequency modulated signals, temp. dependence of time location 2−1545
generator with delay lines with surface acoustic waves *(Bulgarian)* 2−9842
position sensors, two-dimension sensor using Rayleigh waves, linear sensor using bulk waves *(French)* 2−22253
pulse echo instrument, compact US delay line for calibration 2−12101
SAW devices with signal processing appls. 2−1534
SAW FM-oscillator design using 3-IDT delay line and doubly balanced differential amplifier, negative feedback 2−19590
UHF acoustic oscillators, comparison of SAW devices, bulk resonator and cryst. oscillator 2−1538
Co-Cr magnetostructure film on YZ-$LiNbO_3$ substrate, SAW delay line 2−15218
ultrasonic devices
see also ultrasonic delay lines; ultrasonic transducers
acoustooptic modulator, planar, 1 GHz range 2−1762
HV fault location, partial discharge detectors, ultrasonic methods appl. 2−27583
multielement US lens fabrication and performance 2−27307
ultrasonic diffraction
No entries
ultrasonic dispersion
No entries
ultrasonic effects
bulk wave visualization in solids with internal light probe 2−12105
light modulation, using acoustic waves in an anisotropic medium 2−20698
CdS, local states US ionization, sonolum. and acoustoelastic current 2−20732
ultrasonic equipment
acoustic mirmicroscopes, differential phase contrast, for improved meas. stability 2−27305
ASTM type US standard reference block 2−12102
biomedical Doppler unit, intersecting zone, blood flow detect. 2−22553
burglar alarm, using ultrasonic transducers, Schmitt trigger, op amp ICs 2−3641
clinical equipment design techniques *(Japanese)* 2−17356
compound scanning with an electrically steered beam 2−11911
computerised tomography *(Japanese)* 2−17357
hardness meter, portable, for steel testing 2−3177
oblique probe, high temp. 2−3648
oblique-entry probe with near critical angle coupling block, directivity pattern 2−3649
probes used for periodic inspection, charact. 2−12104
pulse-echo systems, analogue implementation of analytic signal processing 2−21359
quartz US search units, performance differences 2−12103
ultrasonic equipment continued
radial-mode US vibratory systems for metal forming, effect of load impedance on response characts. 2−3658
Sinuscan, instrument for maxillary and frontal sinusitis detect. 2−27127
test stand for determining the directivity patterns of ultrasonic probes 2−3647
thickness gauge for low-carbon steel element meas. 2−22393
ultrasonic materials testing
acoustic channel of defectoscope, theoretical study of effect of flat surface of sample 2−13899
acoustic emission waveform analysis 2−8860
acoustic imaging techniques for nondestructive testing 2−8897
acoustic material signatures using the reflection acoustic microscope 2−8907
acoustic microscopy, coherent techniques 2−8906
acoustic polarimetry and the acousto-elastic effect 2−8895
acoustic tensometry, methods and apparatus, review 2−5046
adhesive bond, hydrothermal degradation detection 2−8911
alloy spike detection and charact. in power transistors using trans. acoustic microscopy 2−8910
automatic US testing for manufacturing process control *(Japanese)* 2−17615
B-scan resolution enhancement using Fourier transform holography 2−8903
badly oriented defects, orientation and size determ. by focused US probes 2−8874
Biomation 8100 transient recorder, accurate US meas. 2−12121
carbon fibre reinforced plastics, fatigue behaviour obs. 2−8859
coarse grained material, US testing, signal to noise ratio improvement by signal averaging 2−8920
composite material, US methods for characterising response 2−8880
concrete 2−8872
conference, Gaithersberg, USA (June 1978) 2−8148
crack sizing with scattered US waves 2−8877
debond inspection in solid rocket motor section, acoustical chirp frequency and computer correl. technique 2−8913
defect charact., adaptic filtering appl. 2−8876
defectoscopy of highly absorptive materials, use of single-pulse laser 2−24342
detectoscope with electronic directional scanning, acoustical component 2−639
directivity pattern of oblique-entry probe, calc. 2−638
elastic waves and microstruct., conf., Oxford, England (Dec. 1980) 2−13875
electrical contact assemblies, US exam. for bond integrity 2−9278
engineering materials, quantitative US eval. of mech. props., review 2−8879
fatigue, HF, reson. freq. changes due to plastic deform. and crack initiation 2−24341
fatigue testing machine, computer controlled, lifetime and crack growth meas. 2−19481
fission reactor material, elastic moduli meas., 20 to 1100°C, US method 2−8888
fission reactor materials, testing methods repeatability study 2−12119
flaw size determ. using response envelope width 2−8853
flaws assessment, acoustic emission analysis appls. 2−17619
focused probe for US angle beam testing 2−8900
focused probes for US detection, imaging and sizing of flaws 2−8899
focused sound field, US eval. of materials 2−8901
graphite fibre reinforced Al, US charact. of elastic const. and moduli 2−8887
graphite fibre reinforced epoxy laminate, fatigue damage monitoring by US mapping 2−5043
graphite fibre reinforced epoxy laminate, US methods for characterising response 2−8880
hardness meter, portable, for steel testing 2−3177
hybrid microelectronic appl. of acoustic microscopy 2−8909
imaging, two transducer test bed 2−8904
in-track rail testing development by British Rail 2−11363
laminate, generalized ultrasonic impediography 2−8916
laser probe detection of Stoneley wave interactions with material boundary defects 2−8917
leak detectors, error due to frequency mismatch in channels 2−632
length meas. in single crystal and polycrystalline aggregate with preferred orientation 2−8885
longitudinal creeping wave appl. and creeping wave probes 2−24345
metal, stress field meas. by acoustic technique 2−8892
metal, structural parameter charact. by velocity and attenuation meas. of US waves 2−8878
metal, synthetic aperture US imaging 2−8898
metal-metal adhesively bonded structures, through transmission US attenuation meas. 2−8914
metallurgical charact. of thin plates 2−8886
metallurgical texture rel. to US propagation 2−13885
microporosity detection by ultrasonics 2−19474
microstruct. charact. by backscattered US waves 2−13883
miniature wideband US pulse-echo thickness gauge type UT-50 MTs 2−13898
near-surface crack detection by ultrasound 2−8873
new techniques for quantitative NDE 2−13872
nondestructive testing methods, review 2−647
nuclear in-service inspection, metallurgical flaw detection methods 2−23019
nuclear power plant turbine rotor in-service inspection methods 2−23030
phase anal. of short pulses rel. to time meas. accuracy, minicomputer appl. 2−11533
phase insensitive transducer-theory and application 2−8882
pipe inspection, involute search unit 2−5042
pipeline distributed processing system for real time pattern recognition applications 2−8905
point density and defect characterization via measurements of ultrasonic bulk waves 2−8923
pulsed US flaw detection, transducers, review of theory 2−646
rail stress meas., appl. of acoustoelastic effect 2−8894
rails and switchpoints, nondestructive US inspection, survey *(German)* 2−7462
rectangular strips and square plates, pulse echo method of elastic moduli determ. 2−8869
refractory, elastic moduli meas. at high temp., pulse-echo meas. 2−8889
reliability of ultrasonic testing *(French)* 2−17617

ultrasonic materials testing continued
residual stress mapping by US tomography 2−8891
residual stress meas. by US 2−8890
solar cells and solar cell welds, scanning laser acoustic microscope examination 2−18582
soldered joints, US methods of nondestructive testing *(German)* 2−24013
steel, anisotropy in cold worked layer, US obs. 2−13887
steel, austenitic, Cr-Ni, US pulses, short, multiple scattering *(German)* 2−624
steel, austenitic stainless, casting, US inspection, heat treatment effect 2−8919
steel, austenitic stainless, US detection and meas. of defects, literature survey 2−8855
steel, austenitic stainless, US flaw detection technique for welds 2−8868
steel, austenitic stainless, weld, US inspection 2−8921
steel, austenitic stainless, welds, US eval. using shear horizontal waves 2−19469
steel, austenitic stainless weld, texture study using SAW 2−13886
steel, austenitic stainless weld, US charact. 2−8918
steel, austenitic weld, coarse grained material, US testing, signal to noise ratio improvement by signal averaging 2−8920
steel, C, US prediction of grain size, strength and toughness 2−8883
steel, cleavage controlled instability monitoring by AE 2−13871
steel, low C, US attenuation and microstruct. 2−13884
steel, mild, fatigue failure prediction using US surface waves, corner reflector method 2−5049
steel, quantitative determ. of grain size and inhomogeneity detection by US backscattering meas. 2−8881
steel, stainless, pipe weld, crack detection using US signal processing, appl. of adaptive learning networks 2−8922
steel, stainless 304 and 21-6-9, unflawed, AE under biaxial stresses 2−13882
steel austenitic stainless, crack depth meas. in overlays by US testing 2−5054
stress intensity factor measurement of surface cracks, surface acoustic wave probe appl. 2−8875
stress meas., acoustic holographic interferometry appl. 2−8896
structural relaxation, US pulse-echo obs. after annealing 2−13888
submerged US testing automation *(French)* 2−17618
subsurface-flaw detection with models ITs-61 or -70 US head wave probes 2−13900
surface flaw charact. using acoustic microscopy 2−8908
surface layer inspection using US head waves, probe 2−636
transducer design for pulsed US flaw detection 2−13897
tube testing with concentric US transducers, optimisation 2−8902
two-layered composite rod, low frequency propag. of zeroth torsional mode 2−637
Type B ultrasonic examination, comparison with Type A examinations *(French)* 2−17616
US probes for materials testing, charact. determ. *(French)* 2−17610
water immersion method, computerized model for flaw size and direction calc. 2−5041
weld defect detection, X-ray and US exam. 2−19473
weld defects inspection, automatic data recording and processing system 2−23020
welded structure deformations, acoustic sensing elements 2−7457
welds in steel pipes for HV transmission towers, automatic ultrasonic test equipment appls. 2−7464
welds in steel structures, automatic ultrasonic test equipment appl. 2−7465
Al multilayered adhesively bonded structures, appl. of adaptive learning networks to US signal processing, flaw classification 2−8912
Al, plastically deformed, temp. depend. of US velocity to evaluate internal stresses 2−8893
Cu, plastically deformed, temp. depend. of US velocity to evaluate internal stresses 2−8893
Fe-C alloys and structural steel, AE during tensile tests 2−13881
Ni alloy 263, US method of nondestructive creep eval. 2−5050
$Pb(Zr,Ti)O_3$-polymer composite, high freq. appl. 2−22755
SiC discontinuous whisker reinforced Al, US charact. of elastic const. and moduli 2−8887
SiO_2, fused optical flats, US interactions with thin air layers 2−8915
Ti alloy IMI 230, US method of nondestructive creep eval. 2−5050
Ti, fatigue failure prediction using US surface waves, corner reflector method 2−5049

ultrasonic measurement
see also ultrasonic velocity measurement
flowmeters, present states and future possibilities 2−26812
flowmeters development in West Germany 2−11671
laser interferometric measurement and computerized evaluation of ultrasonic displacements 2−11339
metal, sound attenuation and dispersion, self-excited oscillator for contactless study 2−26994
offshore microprocessor-based US device 2−3304
phase variation meas. in US field 2−22452
PWR, bubble detection and level meas. in main coolant ccts. using ultrasonic transducers *(German)* 2−12400
reflector antenna surface profiles 2−15785
spherical targets, echo signal scatt. calc. 2−7240
thickness gauge for low-carbon steel element meas. 2−22393
wind tunnels, flow field meas. using US system 2−27306

ultrasonic propagation
see also ultrasonic diffraction; ultrasonic dispersion; ultrasonic reflection; ultrasonic refraction; ultrasonic relaxation; ultrasonic scattering; ultrasonic transmission
acoustooptic modulator, planar, 1 GHz range 2−1762
visualisation of wavefronts, by holographic interferometry 2−6276

ultrasonic radiation *see ultrasonic waves*

ultrasonic reflection
beef grading by richness of reflections in US A-scan signatures 2−3656

ultrasonic refraction
multielement US lens fabrication and performance 2−27307

ultrasonic relaxation
No entries

ultrasonic scattering
textural variations in B-mode ultrasonography, a stochastic model 2−12118

ultrasonic transducers
amplitude-frequency charact. determ. with electrical excitation, errors 2−1531
beef grading by richness of reflections in US A-scan signatures 2−3656
biomedical, elec. excitation for short pulse generation 2−3484
biomedical transducers, design using new piezoelec. ceramic materials 2−3483
biomedical transducers, multiple scatt. contribution to observed backscattered intensity 2−22533
broad bandwidth ultrasonic probe for research purposes 2−7460
characterisation sheet proposal 2−12113
chirp, narrow-aperture, for SAW convolvers 2−25408
compound scanning with an electrically steered beam 2−11911
conical US radiators for medical imaging, acoustic field calc. 2−27313
continuous waves generated by focused radiators 2−22249
damping due to lack of parallelism in piezoelec. element 2−12110
design for pulsed US flaw detection 2−13897
fatigue testing, HF reson. freq. changes due to plastic deform. and crack initiation 2−24341
film transducer excitation using two-conductor lines SHF-band 2−3652
flat, field with nonuniform press. ampl. distrib. on radiating surface 2−3654
flowmeter supply-pipe surface roughness effect evaluation 2−17177
focused sound field, US eval. of materials 2−8901
heat exchanger scaling detection by US transducers, optimum setting determ. *(Russian)* 2−17608
heat meter appls. 2−12107
HF acoustic plate mode device, employing interdigital transducers 2−5877
human digital arteries, noninevasive pulsed Doppler blood blood vel. meas. and calc. flow 2−17335
hydrophone probes, piezoelec. polymer sensitive element, design and calibration 2−12111
Lamb wave eigenmodes of vibr. in terms of transducer thickness-to-width ratio 2−22758
level sensor for cryogenic liquids 2−22225
magnetostrictive transducers, power operation, optimality 2−15215
motional bridge circuits, response resistive and reactive loads 2−27314
noninvasive instrum. on chemical and process plant 2−7461
opto-acoustic and acousto-elec. wideband transducers, medical appl. 2−12114
phase insensitive transducer-theory and application 2−8882
phase insensitive ultrasonic receiver based on acoustoelectric effect, response charact. 2−22756
phased array acoustic imaging transducer, construction and performance 2−27315
piezoceramic disc-transducers with annular electrodes, model 2−17599
piezoceramic disk-transducers with annular electrodes, expressions for vibrations 2−17598
piezoelectric, sensitivity meas. *(Russian)* 2−22760
piezoelectric and acoustoelectric receivers, for detection of spatially nonuniform ultrasonic radiation 2−22757
piezoelectric circular rod, axisymmetric vibrations, finite element anal. *(Japanese)* 2−17606
piezoelectric transducers driven by VMOSFET class E power amplifiers 2−728
polyvinylidene fluoride piezofilm transducer, visualisation of US waves launched into water 2−22754
pressure, aerodynamic pressure meas., using temp. stabilised Wheatstone bridge circuit 2−11991
probes for materials testing, charact. determ. *(French)* 2−17610
proximity sensor operating in air 2−12106
pulsed US flaw detection, transducers, review of theory 2−646
PWR, bubble detection and level meas. in main coolant ccts. using ultrasonic transducers *(German)* 2−12400
real-time US receiving system, monolithic array transducer, microcomputer for data acquisition *(Japanese)* 2−12098
SAW devices, statistic variation of charact. due to random fabrication errors 2−15095
sea bed stereoscopic visualisation and contour mapping, using bathymetric sidescan sonar 2−27294
shear-wave transducer using ferroelectric medium with distributed polarisation 2−20474
single-phase and balanced separate comb transducer configurations in a ZnO/Si SAW structure 2−15098
solids concentration and flow meas. of slurries and sludges using US sensors 2−11668
solids concentration and flow meas. of slurries and sludges using US sensors, velocity meas. 2−11669
surface pressure, evaluation by 3-media method 2−22761
synthetic tomography, computer evaluation, ultrasound imaging using multi-element transducers 2−27312
theoretical model for voltage simulation *(French)* 2−17609
transmitting piezoelectric transducers, generation of transient stress waves and electrical voltages, computation and meas. 2−12109
wave gathering device using ZnO membrane, 100-300 MHz, scanning acoustic microscope appl. *(Japanese)* 2−17605
CdS and ZnO thin films 2−20456
$LiNbO_3$, Y collinear acoustooptic filter, acoustic transducer imaging 2−25560

ultrasonic transmission
No entries

ultrasonic velocity
see also ultrasonic dispersion
metal, sound attenuation and dispersion, self-excited oscillator for contactless study 2−26994

ultrasonic velocity measurement
blood flow in common carotid artery, transcutaneous meas. using US 2−22552
continuous wave transmission techniques for dispersive materials and composites 2−22752
rapid measurement of changes in US velocity 2−3646
solid-state linear pulse amplifier system for use in the sing-around technique 2−12094
steel, austenitic stainless, type 316 welds 2−8854

ultrasonic wave propagation *see ultrasonic propagation*

ultrasonic waves
see also surface acoustic waves; ultrasonic propagation
No entries

ultrasonic welding
electronic packaging, US welding of plastics 2−17614
nontraditional processing techniques for improved productivity 2−15588
Al wire bonding, to thick film Cu compositions 2−20011
ultrasonics
see also acousto-optical effects; ultrasonic applications; ultrasonic devices; ultrasonic equipment; ultrasonic waves
conference, Brighton, England (July 1981) 2−8138
ultraviolet astronomical observations
No entries
ultraviolet astronomy
imaging detectors for middle and far UV, review 2−11480
photoelectric array detectors for use at XUV wavelengths 2−16989
ultraviolet communication *see optical communication*
ultraviolet detectors
biomedical wide-band monitor, dermatology monochromators output meas. 2−3521
forged print detection systems, vehicle fuel controlled dispenser 2−26847
gas detector with HF field, coordinate, UV and X-ray photons detection 2−3393
HPLC appl., using deuterium source 2−16972
imaging detectors for middle and far UV, review 2−11480
microchannel plate read-out using graded-density electrodes 2−27043
photoresistor detectors for UV intensity control in art galleries *(Czech)* 2−7109
pulp and paper production industries process measurement and control using optical systems *(Swedish)* 2−16975
spark counters for vacuum UV and X-ray photons meas., plasma diagnostics appl. 2−3394
ZnS sintered layers, photoelectric props. *(Russian)* 2−1786
ultraviolet lamps *see lamps*
ultraviolet radiometry *see photometry*
ultraviolet sources *see light sources*
ultraviolet spectra of inorganic solids *see visible and ultraviolet spectra of inorganic solids*
underground cables
see also cable laying
132 kV crosslinked polyethylene insulated cable installation underground in Baghdad, Iraq *(Japanese)* 2−17718
225 kV underground power transmission cables, natural and forced cooling, comparative economic benefits *(French)* 2−22918
230 kV oil-filled cable installation in Bangkok, Thailand *(Japanese)* 2−17717
400 kV power cables with paper/oil SF_6, or polymeric insulation, present day developments *(French)* 2−22927
500 kV transmission cable lines, Soviet Union 2−12253
Al cables, LV and MV, compression jointing methods and problems *(Spanish)* 2−22928
British Telecom's Locator 2, for detecting underground facilities 2−13232
cable terminations for force cooled high voltage pipe type cable systems 2−27556
cable tunnel management system 2−26380
communications cables, corrosion protection in urban regions 2−16326
concentric neutral cables, cathodic protection systems, drawings and graphs 2−27519
concentric neutral cables, cathodic protection systems, tests, data, and analysis 2−27518
direct buried cables rating, soil thermal stability meas. appl. 2−3752
economic life of primary URD cable 2−27513
ethylene propylene insulated underground cables, breakdown voltage prediction from dielectric meas. 2−20441
ethylene propylene insulated underground cables, breakdown voltage prediction from dielectric meas. 2−20442
fault location, DC bridge measuring instrument *(Russian)* 2−22965
fault location latest techniques 2−8288
HV underground power cables within trough in tunnel, indirect water cooling system *(Japanese)* 2−17732
low cost UG cable termination system 2−27517
LV networks procedures for live working in Hungary *(Hungarian)* 2−27492
optical cable pulling, long-spin installation machine 2−21851
pipe-type cables with cathodic protection, earthing devices to cope with fault currents 2−12249
POF cables, forced cooling system *(Japanese)* 2−17731
power, cooling technology *(Japanese)* 2−17727
power, direct water-cooling system *(Japanese)* 2−17733
power, forced cooling system, review *(Japanese)* 2−17726
power, indirect pipe water cooling system *(Japanese)* 2−17730
power, insulation, comparison of XLPE and EPR 2−20461
power cable materials and accessory production, current trends *(Polish)* 2−3756
power cables, backfill materials soil treatment, heat and moisture flow analyses and field tests 2−22929
power cables, indirect cooling method using heat pipes *(Japanese)* 2−17723
power transmission line, indirect pipe water cooling system *(Japanese)* 2−17729
power transmission systems, appl. of heat pipe to cooling *(Japanese)* 2−17736
power transmission with conductor-cooled cables *(Japanese)* 2−17734
soil heat conducting props. to establish cables current-carrying capacity *(Dutch)* 2−27501
telecommunication, pressurised, computerised flow and pressure monitoring 2−16318
touch and step pot. calc. of faulted URD cables, computer program results in handbook form 2−27493
touch and step pot. calc. of faulted URD cables, computer program 2−27494
tunnel air cooling design for underground power cables *(Japanese)* 2−17728
up to 30 kV, tunnels and channels standardisation *(Polish)* 2−22946
underground distribution systems
see also distribution networks; underground residential distribution systems
concentric neutral cables, cathodic protection systems, drawings and graphs 2−27519
concentric neutral cables, cathodic protection systems, tests, data, and analysis 2−27518
feeders, fault locating test set 2−7583
underground distribution systems continued
power distribution voltage level calcs. using hand-held programmable calculator 2−17714
underground coal-mine power system, computer-based protection relaying scheme 2−17776
underground residential distribution systems
long term reliability and maintainability problems 2−7543
touch and step pot. calc. of faulted URD cables, computer program results in handbook form 2−27493
touch and step pot. calc. of faulted URD cables, computer program 2−27494
underwater acoustics *see underwater sound*
underwater cables *see submarine cables*
underwater sound
see also hydrophones; oceanography; sonar
acoustic signal parameter estimation techniques and results 2−26139
active sonar, noise-limited, optimum frequencies for detection 2−16517
arched interdigital transducer, longitudinal acoustic waves 2−3651
beam amplitude tracking using closed loop methods, sonar appl. 2−26559
coherent frequency-bearing tracker, Kalman filter theory appls. 2−26558
conference, Copenhagen, Denmark (Aug. 1980) 2−23891
directional transducer array, sidelobe suppression, design considerations 2−17591
echo-integrator signals processing, freshwater fisheries appl. 2−27291
echosounder for fish size meas., based on swimbladder resonance 2−27296
electro-ceramic projector radiated pressure control by state variable feedback 2−27316
exploding-wire underwater electroacoustic generator construction 2−3650
fish stock assessment, using microprocessors as target classifiers 2−27295
fishing gear computerised instrumentation, using hydrophones 2−27297
fishing industry appl. 2−11123
frequency line tracker for US Navy passive tracking algorithm program, Bayesian approach 2−26557
interdigital transducer for operation at liquid-solid interface 2−17601
line array in shallow water for range and depth estimation 2−6864
line array response patterns, effect beamformer time delay sampling errors 2−26560
multielement US lens fabrication and performance 2−27307
navigation system with narrow beam tracking transducer 2−26545
ocean, tidal anal. of intermittent acoustic obs. 2−17565
ocean inhomogeneities, acoustic backscatter and one-way propagation effects 2−26550
ocean technology, conf., Birmingham, England (Sept. 1981) 2−18865
oceanographic conductivity-temperature-depth telemeter, microcomputer controlled 2−22739
optimal beamformer response to source with all-pole angular power density spectrum 2−26147
phase random multipath ocean acoustic fluctuations, memory detection models 2−2842
reflections from subsurface layered media, event enhancement 2−27285
remote sensing by ocean acoustics, environmental depend. of detection conditions, prediction *(German)* 2−12084
sea bed stereoscopic visualisation and contour mapping, using bathymetric sidescan sonar 2−27294
sea sediment identification 2−27293
sensor array time delay estimation for multipath propagation 2−26141
sonar, multibeam, with colour display 2−26549
sonar for acoustic tags position tracking, for fisheries research 2−26544
submerged shells, transient acoustic response 2−13693
threshold effects in time-delay estimation via cross-correlation 2−26556
time-variant characts. of an underwater sound channel, correlation meas. method 2−15800
unscrambler of helium speech, for diver-borne use 2−22753
unijunction transistors
double base diode, current fluctuation near critical point, expt. study *(French)* 2−5736
measuring device for parameters determ., with automatic meas. capability 2−7140
uninterruptible power supply *see emergency power supply*
units (measurement)
see also constants; dimensions; measurement; nomenclature and symbols
electrical, basic elec. theory for amateur radio 2−13191
gamma constant and the gamma equivalent in dosimetry 2−6986
history, development of the SI system *(Japanese)* 2−11319
light meas., physical characteristics of light units 2−17152
reproduction, relationship between mechanical and electrical quantities and physical constants 2−3028
SI units, applications in Yugoslavia *(Croatian)* 2−3029
temperature unit working standard, 1064.43-1769°C, using thermoelectric thermometers 2−26983
Yugoslav complementary law on measuring units *(Slovenian)* 2−11316
untuned power amplifiers *see power amplifiers*
unwinding *see winding (process)*
urban planning *see town and country planning*
utility programs
synthetic system generation techniques, DIPS 104-02 operating system for data communications appl. *(Japanese)* 2−6589
u.v. astronomy *see ultraviolet astronomy*
u.v. detectors *see ultraviolet detectors*
V-centres
YAG:Nd, transient colour centre form. on near UV irrad. rel. to laser efficiency 2−15486
V-VI semiconductors *see semiconductor materials*
vacancies (crystal)
see also Frenkel defects
Au/Ni/SnNi/n-GaAs interface, ohmic contact form. 2−25070
CdSe, polycrystalline layers, effect of annealing on elec. props. 2−14654
GaAlAs:Sn, thin layer emitters, luminescence and Sn-X centres 2−25192
GaAs solar cell radiation damage and thermal annealing, conc. of vacancies, divacancies, thermochem. model 2−18553
GaAs:Zn, nonequilib. substitutional-interstitial Zn diffusion, photoluminesc. study 2−9557
p-$Pb_{1-x}Cd_xTe$ epitaxial film, elec. transport props. 2−5590
$Pb_{1-x}Sn_xTe$:Cd crystals and LPE layers, doping and elec. props. 2−25144
$Pb(Zr_xTi_{1-x})O_3$:Nb^{5+}(Sb^{5+}) ceramics, wet or dry method prep., struct. and piezoelec. props., effect of initial Pb content 2−5844
n-Si, deep centres introduced by Ar ion bombardment 2−14629

vacancies (crystal) continued
n-Si, neutron and 2 MeV electron damage, comparison by DLTS 2−5530
Si, oxidation by O_2, model 2−14784
Si:As, ion implanted, radiation damage, in situ ion beam annealing 2−14764
Si:H, amorphous, electron irrad. effect on dark and photocond. and defect removal 2−24930
p-Si:P, ion bombarded, doping by radiation accelerated diffusion 2−14767
p-SnTe epitaxial thin film, elec. transport, nonstoichiometry effect 2−5598

vacuum apparatus
includes apparatus for producing, maintaining and handling vacuum per se
see also vacuum gauges; vacuum pumps; vacuum techniques
multipin electrical feedthrough, miniature design for vac. and cryostat use 2−24769
valve, high-speed, pulsed, using bimorph piezoelectric element 2−5873

vacuum control
contact condenser vacuum deterioration and compensation *(Russian)* 2−23093

vacuum deposited coatings
β-copper phthalocyanine thin films, transient photocurrents, thermal quenching effect 2−10115
II-VI compound vacuum evaporated film, optical consts. determ. with optical waveguides 2−9962
Al/AL-O layered film, integrated circuit appl., surface topography, O content depend. 2−1323
Be coatings on zircalloy sheets, physical vapour deposition techniques, appls. 2−5028
Cd_3As_2, amorphous films, elec. transport props. 2−20105
CdS_xTe_{1-x} thin film solar cells graded band gap, preparation and props. 2−8004
n-CdTe:Pb films, vapour deposited, elec. anal. optical props. 2−14655
GaAs heteroepitaxial layer deposited by laser pulse, condensation mechanism 2−19407
Ge, amorphous UHV deposited films, struct., elec. and optical props. 2−20097
Ge-Sb-Se system, beam-resistant films, prep. and struct., thermal stability, optical parameters 2−1200
Ge_4Se_5Te films, charged defects, Poole-Frenkel effects study 2−25007
Li_3N thin film solid electrolytes for electrochromic devices 2−10075
Si thin film, applicability of vacuum deposited silicon 2−12895
Si vacuum deposited thin film solar cell, TiB_2 thin film electrode behaviour 2−28113
Si:H, amorphous ion beam deposited coating, prep. and props. 2−20094
Si:H, amorphous vacuum deposited films, theta pinch hydrogenation 2−20190
Si:O(H)(F) evaporated amorphous films, DC cond., impurities effect 2−5580
SiC layer epitaxial growth by sublimation sandwich method, struct. defects 2−19406
SnO_x-GaAs MIS solar cell, interface, Auger study 2−7996
Ta_2O_5, antireflection coating for Au-CdS Schottky barrier solar cell 2−18475
TiB_2 film electrode behaviour in Si vacuum deposited thin film solar cell 2−28113
ZnTe film on Si, epitaxial growth model, chem. comp. and interface struct. 2−19411

vacuum deposited thin films *see vacuum deposited coatings*

vacuum deposition
used for EVAPORATED layer production in vacuum
see also electron beam deposition
conference, Cannes, France (Sept. 1980) 2−18855
plasma display panel fabrication, field-assisted bonding, vacuum deposition technique, glow-discharge activation 2−598
shutter position indicator system 2−11527
Si, monocrystalline, laser-induced diffusion of variously deposited surface dopants 2−12902
submicron line fabrication using simple method 2−5659
thin film technology for Bell System telecommunication ccts. 2−1052
Au-Al on clean glass substrates, effect of O_2 and Ar on interdiffusion of thin film couples 2−8839
Be-Al composite diaphragm for dome-type loudspeaker, vacuum deposition production method *(Japanese)* 2−16745
CdO transparent electrode for electroluminescent film *(Russian)* 2−15416
CdS solar cell, polycrystalline thin film, liquid junction, performance eval. 2−7963
CdS:$CuInSe_2$, vacuum deposition of $CuInSe_2$ on CdS, experimental methods 2−23457
CdS_xTe_{1-x} thin film solar cells graded band gap, preparation and props. 2−8004
CdSe sandwich struct. photoresistors, manufacture and elec. props. *(Russian)* 2−1254
CdSe thin film transistors, fabrication and characteristics *(Korean)* 2−14873
CdTe solar cell fabrication by hot wall vacuum evaporation 2−23591
n-CdTe:Pb films, vapour deposited, elec. anal. optical props. 2−14655
Co-Cr perpendicular recording medium by vacuum deposition, mag. and struct. props. 2−15127
Cu metallised ceramic polyimide, protection against oxidation of first Cu layer prior to second evaporation 2−24842
$CuInSe_2$ epitaxial layer growth on GaAs, struct. and elec. props., substrate surface polarity influence 2−19404
$CuInSe_2$-CdS thin film solar cells, development 2−23548
GaAs heteroepitaxial layer deposited by laser pulse, condensation mechanism 2−19407
Ge-Sb-Se system, beam-resistant films, prep. and struct., thermal stability, optical parameters 2−1200
In_2O_3 films, evaporation from In_2O_3/In source, chemical and elec. props. 2−8832
MgO protective film deposition during AC gas discharge display panel fabrication, characterization rel. to - ageing characts. prediction 2−5521
PtSi-Si shallow Schottky barrier contacts, multilayer metallisation technique 2−1335
Si, source, ultra-high vacuum deposition appl., use of two independent filaments 2−599
SnO_2:Sb film, prep. by activated reactive evaporation 2−24334
W films, deposition on MgO (100), ultrahigh vacuum arc evaporation 2−24286

vacuum deposition continued
Zn_3P_2 film, quasi-rheotaxial growth 2−8836
ZnTe layers on Si, growth by solid-state reactions of Zn and Te layers prep. by ion beam evap., junction props. *(Japanese)* 2−8834

vacuum gauges
see also barometers; ionisation gauges; manometers; vacuum measurement
calibration of electrical-discharge vacuum meters, in 10^{-4} to 4.10^4 Pa range 2−17169

vacuum measurement
see also vacuum gauges
absolute pressure measurements using ZrO_2 electrochemical cells 2−11427
magnetic vibration detector for inspecting vacuum in cans packed in cardboard boxes *(Japanese)* 2−16933

vacuum pumps
see also cryopumping; diffusion pumps; ion pumps
Fomblin, high performance vacuum pump fluid, for semicond. processing 2−20161
gas laser operation, vacuum technology 2−20922
Ti sublimation pump, automatic power supply cct. 2−19543

vacuum sintering *see sintering*

vacuum techniques
includes techniques for producing, maintaining and handling vacuum per se
see also cryopumping; getters
conference, Cannes, France (Sept. 1980) 2−18855
discharge suppression in gas-inlet system, 10^{-2}-10 torr 2−5843
stopping coil leakages with vacuum pressure 2−7799
welding in high vacuum and cryotechnique *(German)* 2−18804

vacuum tubes
see also diodes; tetrodes; triodes
high-voltage vacuum tubes, X-ray emission detect. and relationship to given elec. values *(German)* 2−5507
transmitting tubes for radio and television broadcasting/ 2−1111

valence bands
abrupt heterojunctions in equilibrium, anal. 2−20126
photoelectrolysis cell, current-voltage characteristics 2−18408
semiconductor-insulator nonlattice matched interface, U-shaped background density of interface states 2−14716
$B_{13}C_2$, electronic struct. and semicond. behaviour 2−25035
GaAs photocathode with neg. electron affinity, photoelectron spectra 2−9355
$Ga_{0.9}In_{0.1}As$ photocathode with neg. electron affinity, photoelectron spectra 2−9355
$In_{0.53}Ga_{0.47}As$, near-band-gap absorpt. and photolum. 2−20729
InSb, photoexcited hot carriers, far IR cyclotron reson. and emission 2−24980
p-$Ni_{0.98}Li_{0.02}O$ as photoelectrolysis cathode, flatband pot. and band gap 2−20715
$PtSb_2$:Te, impurity conduction 2−1213
SnO_x:Sb film, platinized, prep., surface composition and electronic struct. 2−24314
p-SnTe epitaxial thin film, elec. transport, nonstoichiometry effect 2−5598

value analysis *see value engineering*

value engineering
see also operations research; optimisation; quality control
power system development cost estimate calc. and final design value incorporation *(French)* 2−27423
SO_2 wet scrubbing systems, operating cost estimates and weighted evaluations 2−18023

valve voltmeters *see voltmeters*

valves
see also diaphragms
395 MW turbine with pneumatically operated modulating control valve 2−18056
critical piping systems planning, fire safety for valve actuators 2−4623
electrohydraulic servovalve modelling *(French)* 2−7959
leak valves, servo-controlled, rate-sensing amp. 2−9003
power station water-system needs matched to hydraulic transient anal. for waterhammer reduction 2−22970
proportional piezoelectric electro-pneumatic servovalve design '1981 JACC' 2−15089
pulsed, high-speed, for vacuum apparatus, using bimorph piezoelectric element 2−5873
quiet valves, practical considerations in noise testing 2−7241
simulation of a velocity control electrohydraulic servomechanism with pulse-width control *(Slovenian)* 2−6386
static induction motor drive capabilities for the petroleum industry 2−18248
steam plant, control valve and actuator appls. and process characts. 2−12469
valve actuators, motor selection 2−18168

valves (electronic) *see electron tubes*

Van de Graaff accelerators
BNL tandem accelerator upgrading program 2−11695
bremsstrahlung characts. and particle trajectories in inclined field tubes 2−11736
chain charge systems 2−7244
Chalk River dating facility using MP tandem accelerator 2−11700
CNEA 20UD tandem accelerator, microcomputer based communication system 2−11740
Cracow electrostatic accelerator project status 2−11696
electrostatic accelerator control systems developments 2−11739
electrostatic accelerator design for 50 MV 2−11704
external beam proton microprobe, for materials anal. 2−27007
FN tandem accelerator, supercond. linear accelerator booster project status report 2−11732
FN tandem accelerator, two-loop beam energy stabiliser 2−11743
Heidelberg proton microprobe using 6 MV tandem Van de Graaff accelerator 2−11702
HVEC accelerators, summary report 2−11694
JAERI heavy ion tandem accelerator 2−11726
JAERI magnetic spectrograph design for heavy-ion reaction studies 2−3430
molecular ion beams from tandem accelerators 2−11701
multimegavolt ion accelerator for fusion energy research 2−11703
Munich MP-tandem accelerator improvements 2−11729

Van de Graaff accelerators continued
NEC accelerators survey 2−11693
NSF, high gradient, high vacuum accelerator tube development 2−11734
nuclear structure facility at Daresbury 2−11692
Oak Ridge 25 MV tandem heavy ion accelerator, status report 2−11727
periodic accel. tube discharges investigation with capacitative pickup array 2−11737
proton microprobe beam line, with supercond. final lens, for Van de Graaff accelerator 2−27006
Rehovot 14 UD Pelletron status report 2−11731
sputter source modifications for MP Tandem 2−3362
Stony Brook FN tandem operation 2−11730
Strasbourg MP-10 accelerator upgrading 2−11724
Tandar project, 20 MV electrostatic accelerator development 2−11728
tandem accelerator, electrostatic field distrib. calc. 2−11699
tandem accelerator for rare isotope detection and dating 2−11880
tandem accelerator pulsed beam 2−11742
tandem accelerator straight field tube, field pattern choice and optical charact. 2−11738
tandem accelerator tube leaking procedure using low voltage arc discharge 2−11735
tandem injector for VICKSI accelerator system, operating experience 2−11697
VIVITRON, Strasbourg MP-10 electrostatic accelerator upgrading 2−11749
XTU tandem accelerator, progress report 2−11725
XTU-tandem 150 kV injector operation 2−11768
C, amorphous and graphitised foils, differences in stripper qualities 2−11746
C stripper foil behaviour in ^{127}I beam 2−11748
C stripper foils comparative performance in Argonne FN tandem 2−11747
^{14}C beam accel. in electrostatic accelerators 2−11769
S, highly stripped ions prod. using dual MP tandem facility in accel-decel mode 2−11770

Van de Graaff generators
open-air monofil Van de Graaff generator according to E. Bailitis supplying high current *(German)* 2−6305
spark channel charact. 2−11685

Van der Pol oscillators *see relaxation oscillators*

vanadium phosphate semiconductor glasses *see amorphous semiconductors*

vapour density *see density of gases*

vapour deposited coatings
see also CVD coatings; plasma deposited coatings; sputtered coatings; vacuum deposited coatings
elec. props. rel. to struct. and comp. 2−24967
II-V compounds, amorphous and cryst., thin films, prep., struct., elec. and optical props. 2−13848
metallic thin film, elec. cond., annealing effect *(Spanish)* 2−25165
room temp. O_2 sensor fabrication using LaF_3 solid electrolyte *(Japanese)* 2−16967
CdSe, elec. props. rel. to struct. and comp. 2−24967
(CdZn)S/Cu_2S solar cells, thin-film, polycrystalline 10% conversion efficiency 2−18523
Cu_xS thin films, morphological and optical study 2−19454
GaSb amorphous film, flash evaporated, electronic props. 2−24973
In_2O_3 film, semiconducting, struct., X-ray diffr. study 2−24338
Mo-Al_2O_3 composite film, surface roughness, photothermal absorber appls. 2−28132
Ni-Cr films, segregation, AES, electron diffr. and elec. cond. study 2−24337
Pt-SiO_2-n-Si solar cells, elec. charact. *(Japanese)* 2−18481
Si amorphous films, evaporated and sputtered, annealing and hydrogenation 2−24931
ZnS:Er thin film, DC electrolum., spectral intensity 2−25600

vapour deposited thin films *see vapour deposited coatings*

vapour deposition
see also chemical vapour deposition; crystal growth from vapour; electron beam deposition; ion plating; plasma deposition; sputtering; vacuum deposition
resist pattern, high resolution, prep. by Ar+methane reactive ion etching 2−14785
substrate holder shape for uniform coating thickness for IC manufacture 2−19428
Ag-Te, amorphous semicond. film, prep. by diffusion and elec. cond. 2−25008
CdS-S coevaporated thin film prep. and cryst. props. 2−19440
CdS_xTe_{1-x}, preparation and properties, for graded band gap solar cells 2−5027
Cu_xS thin film deposition, flash evaporation technique, morphological and optical investigations 2−19454
InP-ZnO heterojunction solar cells prep. using reactive evaporation, props. 2−8007
a-SiC:H/a-Si:H heterojunction solar cell with conversion efficiency more than 7.5% 2−18588
SnO_2 films, pulsed laser evaporated 2−19438
Ti, evaporation from W refractory metal boat, service life improvement 2−597

vapour phase epitaxial growth
see also molecular beam epitaxial growth
p-GaAlAs, non-alloyed ohmic contacts, using MO-CVD contact layers 2−24296
III-V semiconductors, epitaxial multilayers, vacuum metalorganic CVD growth 2−13816
long-wavelength optoelectronic device fabrication and reliability for optical communication 2−2810
MO-CVD, recollections and reflections 2−5014
organometallic growth, of II-VI compounds 2−570
$pb_{1-x}Sn_xSe$ heterostructure for injection lasers 2−25799
AlGaAs, layers growth by OM-VPE 2−4992
AlGaAs, organometallic VPE grown, characterisation for solar cell appls. 2−13820
AlGaAs-GaAs concentrator solar cells, fabrication by OM-VPE and LPE, performance and durability 2−18571
$Al_xGa_{1-x}As$ films, VPE growth in inorganic transport systems 2−4997
$Al_xGa_{1-x}As$, OMVPE growth 2−4991
$Al_xGa_{1-x}As$ p-n junction solar cells, grown-in deep-level defects 2−23616
$Al_xGa_{1-x}As$-GaAs, V shaped DH laser, metalorganic CVD growth and properties 2−10291

vapour phase epitaxial growth continued
AlSb, epitaxial growth, eval. of triisobutylaluminium rel. to trimethylaluminium 2−4995
$Cd_xHg_{1-x}Te$, growth by MOVPE and characterisation 2−4994
$Cd_xHg_{1-x}Te$, using organometallics, elec. props. 2−584
$CuInSe_2$ epitaxial layers, on {110} and {100}-oriented GaAs substrates, struct. using RHEED 2−1208
$CuInSe_2$ epitaxial layer growth on GaAs, struct. and elec. props., substrate surface polarity influence 2−19404
GaAlAs DH low-threshold strip geometry laser by metal organic CVD 2−1942
$Ga_{1-x}Al_xAs$ solid solns., epitaxial film prep. from gas phase, deposition thermodynamics 2−8807
GaAs crystals, selective corrosion and selective growth *(Chinese)* 2−4984
GaAs epilayers, growth by MOCVD, appl. to microwave MESFETs 2−573
GaAs, epitaxial film growth, CLEFT process 2−591
GaAs, epitaxial growth by MO-VPE, growth mechanism 2−571
GaAs epitaxial layers, by low pressure MOVPE, using triethylgallium as Ga source 2−4990
GaAs epitaxial layers, screw and circular structures 2−4998
GaAs epitaxial layers, CVD on Ge heteroepitaxial films 2−8809
GaAs, FET performance, rel. to material growth techniques 2−1380
GaAs heteroepitaxial layer deposited by laser pulse, condensation mechanism 2−19407
GaAs, high-purity, VPE in $AsCl_3$-Ga-N_2 system 2−24292
GaAs layers, vapour phase growth rate and morphology, elec. field effect 2−19408
GaAs, layers growth by OM-VPE 2−4992
GaAs monolithic ICs, material props., epitaxial crystal growth, ion implantation, metallization *(German)* 2−20347
p-GaAs, non-alloyed ohmic contacts, using MO-CVD contact layers 2−24296
GaAs, organometallic VPE grown, characterisation for solar cell appls. 2−13820
GaAs, shallow diffusion of Zn for optical waveguide modulators 2−25534
GaAs, VPE growth in low press. halogen transport system 2−8810
GaAs, VPE in China, review 2−24293
GaAs, VPE in Cl system 2−24291
GaAs, vapour phase epitaxy, flow channel reactor 2−24290
GaAs/(Ga,Al)As, transmission photocathode, growth by MO-VPE 2−1812
GaAs/GaAlAs injection lasers, grown by MOCVD 2−6231
GaAs-(Al,Ga)As heterostructure growth, qualitative and quantitative assessments by fast ellipso-meters 2−5004
GaAs-(Ga,Al)As heterostructures for FETs *(French)* 2−20249
GaAs-GaAlAs, selective MOCVD epitaxy for optoelectronic devices 2−572
GaAs-GaAlAs DH lasers, nonradiative lifetime and leakage losses 2−6214
$GaAs_{1-x}P_x$ layers, mixed cryst. comp. rel. to vapour phase comp. in Ga-HCl-PH_3-AsH_3-(NH_3)-H_2 system 2−19405
GaInAs growth, hydrides and organometallics methods *(French)* 2−8821
GaInAs layer growth by vapour phase heteroepitaxy, thermodynamic delineation 2−24302
$Ga_{1-x}In_xAs$ uniform epitaxial layers, organometallic VPE growth, elec. charact. 2−13828
GaInAsP growth, hydrides and organometallics methods *(French)* 2−8821
GaInAsP-InP DH diode lasers emitting at 1.5 μm grown by LP-MO CVD 2−25782
GaN, high pressure vapour growth 2−13822
GaP layers, deposited on GaAs substrate, initial growth and defect struct. 2−24283
GaP, prep. by MO-CVD 2−24297
GaP:Te, kinetic model for dopant incorporation during VPE 2−24294
$(GaSb)_{1-x}Ge_x$ films, single cryst. metastable, growth, thermal stability and characteristics 2−13832
$Hg_xCd_{1-x}Cr_2Se_4$, solid soln. thin films, isothermal epitaxial growth on $CdCr_2Se_4$ single cryst. substrate *(Japanese)* 2−13827
InAs, anisotropy effects in vapour epitaxy, growth rate and surface microrelief 2−587
$InAs_{1-x}Sb_x$ alloys, epitaxial growth by MOCVD 2−4993
InGaAs VPE 1.0 to 1.7 μm photodiodes, low-leakage, high-efficiency 2−1802
InGaAsP alloys, VPE growth by single flat temp. method 2−581
InGaAsP lattice, matched to InP, growth and charact. review 2−8812
InGaAsP, material requirements for near IR photodetectors, LPE and VPE growth techniques 2−9435
InGaAsP-InP 1.3 μm LPE and VPE grown edge-emitting LEDs 2−6116
$In_{1-x}Ga_xP$, metallorganic VPE 2−569
InP single crystal, lateral growth over dielec. films by orientation-depend. VPE 2−19414
InP, VPE deposition on GaAs substrate in InP-PCl_3-H_2 system, layer quality and elec. props. 2−13813
InP, VPE on InGaAs, growth for photodiode appl. 2−24298
InSb, epitaxial growth by laser evaporation, pulsed heating of substrate effect 2−24304
Pb chalcogenide layers and their solid solutions, controllable epitaxial growth 2−563
Pb salt epitaxial film, photovoltaic diode IR detector, modified hot wall technique prep. 2−10155
$Pb_{1-x}Sn_xTe$ photovoltaic detectors for 8-14 μm atmospheric window, modified hot-wall evap. technique 2−7097
Si CVD epitaxy on (111) and (100) substrates, pattern shift and pattern distortion 2−20178
Si, CVD under reduced pressure, in hot-wall reactor, equilib. and kinetics 2−24303
Si epitaxial layers, screw and circular structures 2−4998
Si epitaxy for VLSI high performance ICs 2−20177
Si, heteroepitaxial growth on $MoSi_2$ by electron beam evaporation 2−568
Si, semiconductor device processing, book contrib. 2−1277
Si, vapour phase epitaxy 2−24288
SiC epitaxial growth, sublimation sandwich method, mass transport, Si excess effect 2−13830
SiC layer epitaxial growth by sublimation sandwich method, struct. defects 2−19406
W films, deposition on MgO (100), ultrahigh vacuum arc evaporation 2−24286
ZnO optical waveguide material, VPE CVD technique 2−24305
ZnSe, heteroepitaxial growth from vapour on GaAs substrates, characterisation 2−13819

vapour phase epitaxial growth continued
ZnSe, metalorganic chemical VPE growth, photoluminesc. and Raman scatt. obs. 2−19412
$ZnSiAs_2$, VPE growth on Ge and GaAs substrates, struct. and elec. props. 2−4988
ZnTe, CVD growth, open tube method 2−13824
ZnTe film on Si, epitaxial growth model, chem. comp. and interface struct. 2−19411
vapour pressure measurement
metals, vapour pressure determination, boiling point method 2−3293
semiconductors, vapour pressure determination, boiling point method 2−3293
varactors
abrupt-junction millimetric varactor doublers using Schottky diodes, anal. 2−9225
bipolar-varactor oscillator, broadband, electronically tunable from 3-9.4 GHz 2−24714
broadband bipolar voltage controlled oscillator, using hyperabrupt varactor devices 2−13999
intermodulation distortions in variable capacitance diodes 2−19904
linear phase shifters using optimum varactor diode doping profiles 2−9226
microwave tuned filter, graphical design, using varactor diodes 2−5286
power control appl. in Gunn oscillator *(Russian)* 2−24437
tuning varactor diodes, for microstrip antenna broadbanding 2−10589
Si high-Q varactor diodes, fabrication method 2−1332
variable-frequency oscillators
see also swept-frequency oscillators
additively disturbed bit-flow in the video band, synthesis of optimal synchronisation algorithms *(German)* 2−24430
AF with linear ramped freq. control and repeat facility, 40 Hz to 2 KHz 2−5139
audio-frequency counting, simple add-on unit, construction details 2−781
broadband bipolar voltage controlled oscillator, using hyperabrupt varactor devices 2−13999
capacitance-tuned resonator using nonuniform lines, derivation of line impedance 2−9025
frequency synthesizer, J-band, using Gunn VCO to drive GaAs FET amplifier 2−5355
LF crystal oscillator, using integrated gyrator, temp. compensated 2−25403
microwave bipolar-varactor oscillator, broadband, electronically tunable from 3-9.4 GHz 2−24714
microwave FET-YIG tuned oscillator, broadband, electronically tunable from 2-20 GHz 2−24714
MM-wave microstrip IMPATT diode oscillator for 100 GHz, variable-freq. design 2−19889
phase-locked loops, appl. *(German)* 2−21998
phase-locked loops appl. *(German)* 2−19596
PW Stour top-band transceiver, variable frequency oscillator and filter boards 2−16366
sinewave RC-oscillator with single resistor control using DVCCS/DVCVS 2−24428
stable digital resonators, variable-freq. design *(Russian)* 2−19583
two-chip linear VCO controls ramp's amplitude and freq. 2−14008
two-input double-T bridge circuit with tunable resonant freq. 2−763
VCO, HF, temp. stable, on monolithic chip 2−19582
voltage controlled oscillator, and phase locked loop, description and operation *(Croatian)* 2−9019
voltage tuned cavity oscillators, design principles 2−5342
Wien-bridge oscillator, operational amplifier cct. design keeping poles on imaginary axis at high freq. 2−759
variable speed gear
AC adjustable frequency motor control for process pumping systems 2−12976
AC drives, adjustable speed, technology status review 2−28147
AC variable speed drives, eddy current and variable frequency invertor, choice and appls. 2−8024
AC/DC electric motors using electronic speed controllers for variable speed drives *(French)* 2−23659
controller for AC motors, Allspeeds Series 2000 2−4030
DC motor speed control using microprocessor, model reference adaptive control theory appl. 2−12658
developments in variable-speed drives 2−28148
drives, industrial units rated up to 10 MW and above 2−8030
effects of magnetic saturation on the performance of thyristor commutatorless motors 2−12979
electric drives using electronic switching control 2−18641
fan control for the glass industry using static induction motor drives 2−18834
induction motor, single-phase, for variable speed control 2−12650
induction motor drive PWM invertor, microprocessor-based control system with I/O processing unit LSI 2−12759
induction motor drives, invertor appls. 2−12707
induction motor variable-frequency speed control using PLL technique, time domain model and digital simulation 2−12758
invertor-fed synchronous motors with variable speed, excitation systems 2−12633
invertor/induction motor drive for electric car, rotational speed regulation method *(Polish)* 2−27925
lehr drive, variable frequency, appl. and installation 2−18648
microprocessor control of PWM inverters 2−12713
motor control, AC replacements for DC drives 2−8031
present position and development trends in adjustable speed AC drives *(German)* 2−8025
production operation of submersible pumps with closed-loop adjustable speed control 2−8119
PWM static frequency converter for supplying sets of three-phase electric motors in elec. drive system 2−27996
squirrel cage motors, impact of electronics and microelectronics *(German)* 2−18145
static inverter AC drive efficiency 2−28145
synchronous motor-gearbox mechanical drives, noise reduction 2−4401
thyristor converter-fed synchronous motor drive 2−8027
thyristor invertor for induction motor speed regulation *(Russian)* 2−27926
wastewater facilities energy cost savings 2−13131
variational calculus *see variational techniques*
variational techniques
circular microstrip disc, determination of capacitance by Noble's variational method, MIC appls. 2−14286
variational techniques continued
coupled microstrip-like transmission lines for MM-wave appls., propag. parameter s 2−24643
deflection function 2−8423
eddy-current problems in non-mag. non-moving conductors, numerical anal. 2−10423
elastic-plastic problems solution, existence and uniqueness, convergence of approx. solutions *(Chinese)* 2−19377
electric machines capacitance and resistance calcs. 2−4040
EM wave diffr. by solids of revolution, homogeneous problems in generalised method of intrinsic oscill., variational solns. 2−2120
EM wave scatt., variational principles and functions 2−2112
inhomogeneous broadside-coupled striplines employing anisotropic substrates, anal. 2−19832
oil reservoir modelling 2−430
optical fibres, graded-index, fundamental mode, simple and accurate variational methods 2−20645
optimal stochastic scheduling, perturbation anal. of system of quasi variational inequalities 2−384
piezoelectric resonators, transducers, eigenmodes calc. using variational technique 2−25402
waveguide modes anal. in anisotropic dielec. rectangular waveguides 2−21189
GaAs electron mobility, space-charge and central-cell scatt. contrib. reassessment 2−9426
varistors
1/f noise expt. investigation 2−963
FET applications, book 2−23880
surge voltage absorption appls, SiC, metal oxide and Zener diode types 2−5371
SiC, 1/f noise expt. investigation 2−963
ZnO varistor, current instability phenomena under continuous AC stress 2−957
ZnO varistors, DC degradation behaviour, current, temp. and time depend. 2−19897
ZnO varistors as transient-overvoltage suppressors for telecommunication systems *(Japanese)* 2−14308
ZnO-Bi_2O_3 varistor, XPS obs. of surface layer effects on electronic props., intergranular layer form. 2−5375
ZnO-rare earth metal oxides-Co_3O_4 ceramic, temperature dependence 2−19456
varnish
bismaleimide-triazine resin, elec. insulation material, use as solid, varnish or powder 2−15073
fluoroplastic varnish, for climatic protection of sensitised photogelatin films 2−15575
hermetic motor magnetic wires, characts. 2−27861
insulating coating, UL 1446 standard 2−25388
insulating materials, water soluble, handling, performance, field experience 2−20466
novolac resins as active ingredients in positive electron resists, 1/2 μm pattern resolution capability 2−20309
polyester/epoxy varnish insulation for magnet wire, compatibility tests 2−14333
stress measurement techniques for three dimensional components *(Spanish)* 2−17181
Stypol 83-2000 polyester insulating varnish for Class 180+ transformers, motors and coils 2−18155
thermal endurance of insulating varnished glass cloth by torsional braid analysis method 2−9824
thermal endurance of insulating varnished glass cloth by torsional braid analysis method 2−9826
wire enamelling method and quality control *(Rumanian)* 2−19908
Vavilov-Cherenkov radiation *see Cherenkov radiation*
VCR *see video tape recorders*
vector diagrams *see vectors*
vectors
2n-pole networks cascade connection, operating double n-pole equations and parameters anal. 2−19496
bicubic zero interpolation splines of nonzero angular point twisting vector estimate error *(Chinese)* 2−13685
binary and graphic matroids, characterisation 2−24172
complex nonlinear circuits periodic processes anal. using differential harmonic method 2−27890
dynamic behaviour estimation using statistico-probability method 2−27328
electric circuit loops matricial vectorial equations *(Rumanian)* 2−24357
electromagnetic field problems, relaxational solution 2−184
f-vectors of simplicial convex polytopes, sufficiency of McMullen's conditions 2−19189
fuzzy topological vector spaces. I. 2−318
graph, maximum matchings rank 2−19219
homomorphic images of vector lattices, completeness and projection properties 2−13613
large turbogenerators excitation loss detection response and selectivity anal. using mathematical model 2−27869
linear vector optimisation, duality concept *(Czech)* 2−19092
matroids, critical problem, constructive approach 2−24146
moving weighted average smoothing extended to the extremities of the data, stability and optimal properties 2−19096
multicriteria problems, compromise solutions using the fuzzy min-operator 2−8645
nonlinear network transient behaviour anal., state equations necessary and sufficient conditions 2−19519
orthogonal polynomials 2−8704
pursuit by several objects, nonlinear differential game 2−24076
pursuit problem with integral constraints on player controls 2−24075
Signorini problem in elastostatics, reciprocal formulation 2−13380
small-signal output parameters sensitivity determ. of linear ICs, efficient algorithm *(Russian)* 2−14905
smeared vectorial measurement 2−19307
sums of vectors and Turan's problem for 3-graphs 2−24147
vector analysis in general curvilinear coordinates. On the magnetic field in plasma confinement *(Japanese)* 2−4707
vehicles
see also electric vehicles; locomotives; road vehicles; space vehicles
block-braked monobloc wheel temp. meas. by jacket thermocouples *(German)* 2−11649
contactless motion measurement system *(German)* 2−26965

vehicles continued
driving simulator for objective evaluations of physically handicapped drivers 2—17325
testing using ONIMETS, portable microcomputer based system 2—26752
TV OB, diversity evaporator switching control for air conditioning 2—28256

velocity analyzers *see particle separators*

velocity control
AC drives, adjustable speed, technology status review 2—28147
AC motor variable speed, controller charcts. 2—12674
AC motors, speed control and regulation using microcontrollers *(German)* 2—18163
AC/DC electric motors using electronic speed controllers for variable speed drives *(French)* 2—23659
asynchronous motors, speed control by varying its stator voltage *(Spanish)* 2—18238
ATC, approach control of terminal area, average delay, alarm rate and flight accuracy 2—12048
automatic armature and field control of DC series motors 2—12657
automatic control for a video head block of studio video tape recorders using noncontacting DC motors *(Russian)* 2—21979
autopiloted current source invertor fed, synchronous motor performance anal. 2—18195
car police system 2—3287
cattle fodder mixing by AC motor speed control 2—28307
central fan applications, eddy current adjustable speed drives 2—18650
chopper driven DC motor back EMF calc. model 2—4224
CIP Gatineau paper mill, electric drive control system for paper machine speed control 2—18635
cold rolling mill reel drives, thyristor motors appl. 2—8107
control system design of DC transistor chopper motor drive *(Slovenian)* 2—7865
current inverter for cage rotor induction motor torque and speed control via thyristors *(German)* 2—8968
current source invertor fed induction motor numerical speed control 2—4181
DC drives, interfaced with microprocessor systems for speed control *(Italian)* 2—12970
DC electric drives, speed control by microprocessor *(Czech)* 2—28141
d.c. motor, speed control *(German)* 2—23305
DC motor, thyristor control type with field weakening control, digital simulation method as design aid *(Japanese)* 2—4216
DC motor drive speed control system A/D convertor 2—23355
DC motor microprocessor-based velocity control, training programme *(German)* 2—18262
DC motor speed control using microprocessor, model reference adaptive control theory appl. 2—12658
DC motor speed regulation without tachogenerator *(German)* 2—18258
DC servomotor, velocity controller, design method *(Korean)* 2—27941
DC/AC electric motors speed control and drive systems, applications *(Dutch)* 2—18157
digital, multi-track, ccts of input stages and speed-control freq. generator 2—26693
double wound rotor, induction motor, thyristor-based speed control, performance anal. 2—4200
doubly thyristor fed, synchronous motor linear model 2—18181
drives, PWM invertor using gate turn-off thyristors 2—12980
electric drive, development trends *(German)* 2—12968
electric drives, complete subsystem convertor cascade with 6/12-pulse feedback system, digital simulation 2—23665
electric drives, microprocessor control appls. *(German)* 2—18628
electric machines, optoelectronic devices and optical fibres appl. 2—4038
electric motor drive position and speed microcomputer-based system 2—23241
electric motor rotational velocity control using phase feedback loop, advantages and practical appls. *(Polish)* 2—4016
electric motor speed regulator tuning parameter anal. using statistical theory *(Dutch)* 2—18158
electric motors in thermal power plants, speed control through static frequency convertors *(Rumanian)* 2—27867
electrical circuit of the ChMe 3 diesel locomotive, Soviet Union *(Russian)* 2—28168
electrical circuitry of TGM4(A) and TGM6A diesel locomotives, Soviet Union *(Russian)* 2—28169
electronics in small electric appliances *(German)* 2—23785
exact analysis of a thyristor controlled servomotor with a free-wheeling diode 2—4227
fail-safe speed sensor for London Transport automatic trains 2—12990
fan control for the glass industry using static induction motor drives 2—18834
fan motors in methanol plant, electronic speed regulation system *(French)* 2—4117
flywheel-speed reducer unit for energy storage 2—12962
fractional-horse power squirrel-cage motor with hybrid rotor 2—4251
hydraulic turbine governor, predicting the stability of regulation 2—7753
image processing system, coordinate measuring table, microcomputer control *(German)* 2—11354
induction motor, single-phase, for variable speed control 2—12650
induction motor drive PWM invertor, microprocessor-based control system with I/O processing unit LSI 2—12759
induction motor drives, speed control *(German)* 2—4116
induction motor speed control for drive economy and productivity 2—27904
induction motor triac speed control, PLL techniques and transfer functions 2—4185
induction motor variable-frequency speed control using PLL technique, time domain model and digital simulation 2—12758
induction motor velocity and start control, three-phase rectifier drive performance anal. 2—4187
invertor driven cage-rotor induction motor performance anal. 2—4189
invertor driven squirrel-cage induction motor, PWM performance anal. 2—4173
invertor fed with salient poles induction motor performance anal. 2—4191
invertor/induction motor drive for electric car, rotational speed regulation method *(Polish)* 2—27925
lehr drive, variable frequency, appl. and installation 2—18648
model train controller, variable track voltage technique 2—876
nonsinusoidal current source invertor fed, synchronous motor, performance anal. 2—18208
one-quadrant DC drives, automatic speed control 2—18652

velocity control continued
one-shots KO pass drivers in low-power motor-speed control 2—18259
open winding microprocessor-based invertor fed, synchronous motor, performance anal. 2—18209
PCB automatic drill 2—19977
performance of the direct current linear motor with electronic commutation 2—12667
permanent magnet motor speed control circuit 2—4029
permanent magnet synchronous motor drive with current source invertor, steady-state anal. 2—12978
phase controlled convertor driven induction motor performance anal. 2—4190
photoelectric sensing devices in materials handling appls. 2—22280
pit-head winding motors control systems, principles of speed control *(German)* 2—27883
production operation of submersible pumps with closed-loop adjustable speed control 2—8119
PWM invertors, digital control by microcomputer, induction motor speed control appls. 2—18363
realisation of critically permissible overload capability for DC motors *(Russian)* 2—23308
regulated electric drives, present state and development trends survey *(German)* 2—4393
self-controlled synchronous motor speed control system, dynamic performance anal. 2—12632
self-protection safety measures against disturbances 2—27692
simulation of a velocity control electrohydraulic servomechanism with pulse-width control *(Slovenian)* 2—6386
solid-state reduced voltage starters for induction motors 2—12636
speed controlled electric drives for cranes using tubular cage motors *(Hungarian)* 2—23668
static induction motor drive capabilities for the petroleum industry 2—18248
steam turbines, digital governor using microcomputers 2—3942
step motor chopper driver, constant motor current, during positive and negative back EMF operation 2—4244
stepping motor KIM-1 microcomputer based velocity control system 2—12671
stepping motor microprocessor based speed and torque control system 2—23326
stepping motor minor-closed-loop-control for high speed positioning 2—12670
synchronous motors, suppressing or enhancing hunting 2—7829
tape recorders *(Polish)* 2—2954
TDA 1185 IC for proportional speed control for series wound AC/DC electric motors *(French)* 2—7960
thyristor automatic drive control system for electric conveyor trucks for improved manoeuvrability *(Hungarian)* 2—18631
thyristor controlled DC motor 2—4222
thyristor converters for three-phase motors *(German)* 2—23357
thyristor driven commutatorless induction motor performance anal. 2—4195
thyristor fed DC motor, performance anal. 2—4228
thyristor fed multiphase commutatorless DC machine, performance anal. 2—4226
thyristor invertor for induction motor speed regulation *(Russian)* 2—27926
thyristor Leonard DC motor power factor improvement 2—4225
thyristor-controlled induction motor performance anal. *(Russian)* 2—18227
transistor chopper driven, DC motor performance anal. 2—4229
transistor power convertors for synchronous motor control *(Norwegian)* 2—7932
use of transistor inverters with three phase motors for speed regulation *(German)* 2—7915
VAL system (Light Automatic Vehicle) for Lille Metro, aspects *(French)* 2—8045
variable speed wind turbine control system 2—18138
vehicle traction cycloconvertor driven induction motor performance anal. 2—4194
voltage stresses on induction motors powered from DC intermediate circuit frequency converters *(German)* 2—23285
wastewater facilities energy cost savings 2—13131
wheelchair, powered, proportional speed pneumatic control system with automatic speed control 2—17404

velocity measurement
see also acoustic wave velocity measurement; anemometers; angular velocity measurement; flow measurement; flowmeters; laser velocimeters; light velocity measurement; stroboscopes
automobiles, police radar jamming used in USA 2—16504
bubbles in liquid-gas flows, dimension and speed measurement *(German)* 2—11618
car fuel gauge ensures economical motoring 2—23721
car police system 2—3287
chopper driven DC motor back EMF calc. model 2—4224
circumferential, parallel split spatial filter, optimum split number 2—15367
contactless motion measurement system for surface transport vehicles *(German)* 2—26965
direct injection Diesel engine, cylindrical prechamber air velocities meas. 2—17932
Doppler effect laser sweep anemometer for velocity profile measurement *(French)* 2—22437
Doppler radar, error anal. 2—3280
Doppler spectrum of single automobiles 2—26528
electric motor drive position and speed microcomputer-based system 2—23241
excess speed indicator, for automobiles *(Spanish)* 2—13047
human digital arteries, noninevasive pulsed Doppler blood blood vel. meas. and calc. flow 2—17335
induction motors, slip measurement method with digital information processing *(German)* 2—12644
induction motors slip/measurement methods and equipment *(Polish)* 2—26966
inductive sensor for the detection of low velocities 2—22251
industrial sensors and transducers for monitoring and regulation *(German)* 2—3294
internal combustion engine, flow velocity rapid estimate using photon correlation laser anemometry 2—11627
laser Doppler anemometer for particle velocity meas. in electrostatic precipitator 2—10444
laser Doppler velocimeter, electrochemical machining expts. appl. 2—2062

velocity measurement continued
laser speckle statistics for vel. meas. 2−17133
laser-Doppler speed measuring system with microcomputer *(Dutch)* 2−7237
laser-speckle velocimeters, vel. sensitivity 2−15587
mass-filter probe, rarefied gasdynamical problems appl. *(Japanese)* 2−7232
microwave Doppler, radar for meas. of velocity and distance of traction vehicles 2−16502
nuclear gamma-resonance meter appl. 2−17134
regenerative dynamometer system for engine testbed 2−22210
road traffic flow sensor, computerised, using photoelectric converting elements *(Japanese)* 2−16798
road traffic overtaking data recording, appl. of video instruments 2−21984
shock parameters meas. with noncontacting fibre optic lever vibration transducers 2−11444
solids concentration and flow meas. of slurries and sludges using US sensors, velocity meas. 2−11669
speed indicator using IC chips *(Italian)* 2−7216
transient acceleration signals, errors in computing velocity and displacement 2−3279
transient speed meas. for variable speed drives, digital tachometer 2−7129
typewriter print velocity pendulum for quality control appls., typehead velocity meas. 2−19013
unstable airflow, single-particle velocity and trajectory meas. of microscale inhomogenities 2−26990
water local velocity measurement with hot wire anemometers *(German)* 2−26964
wheel speed transducer and slip/slide measuring system for traction vehicle 2−16969
CO_2 laser radar systems, range and velocity meas. 2−16514

velocity meters *see velocity measurement*

velocity microphones *see microphones*

velocity-modulation tubes
No entries

velocity spectrometers *see mass spectrometers*

ventilating *see ventilation*

ventilation
see also air conditioning
buildings heating, ventilating and air-conditioning energy requirements reduction measures in USSR *(German)* 2−23772
centralized control of technical equipment in building complexes 2−4471
electrical heat pump, basic principles and appls. *(German)* 2−23779
energy conscious ventilation in well insulated house, cost reduction 2−4477
energy-using durables, choice and utilisation, EPRI-sponsored study, November 1979 2−27418
fan speed monitoring cct., using multiplexing for checking 6 units simultaneously 2−26963
Gotthard road tunnel automation and control system using process computers 2−23777
induction motor, ventilation and cooling system analysis 2−12642
low-noise transformer noise cooler for substations, innovative design 2−27988
microcomputerised control, HVAC and lighting energy use 2−23735
noise meas. rating and prediction methods guide for air conditioning and ventilation equipment 2−3302
nuclear shelters, types and equipment 2−13092
road tunnel ventilation problems 2−13093
road tunnels, energy saving potential in Japan 2−8188
synchronous motor adjustable frequency drives for large mechanical-draught fans 2−18643

ventilators *see ventilation*

Venus
physical parameters, global topography, spaceborn synthetic aperture radar meas. 2−22646
surface reflection of radio waves, analysis of shape of Doppler spectra 2−21886

Verdet constant *see Faraday effect*

Verneuil process *see crystal growth from melt*

very large scale integration *see large scale integration*

vibration control
1300 MW hydroelectric installations, vibration and power swings, measures 2−3958
alignment of supporting bearings of the 800 MW turbo unit 2−18172
electric machines, conf. at Athens, Greece, 1980 2−23240
nuclear VVER reactors internal vibration monitoring and control *(Czech)* 2−26993
pivoted pad journal bearings for rotating machinery 2−27676
power transmission lines, self-excited galloping oscillation control using mechanical dampers, optimisation 2−3771
Space Shuttle, Magnetic suspension isolation [Space Shuttle] 2−17492
stepping motor vibration control by attachment of dynamic vibration absorber *(Japanese)* 2−12673
tone-arm with velocity feedback using linear motors, mechanical resonance suppression appl. *(Japanese)* 2−6959
workpiece diameter, vibration and position sensing by laser, quality control automation 2−10395

vibration measurement
see also seismometers
accelerometer use as vibration standard, absolute interferometric calibration 2−22039
aerospace industry test methods advances, conf., Indianapolis, IN, USA (April 1981) 2−22654
automobile industry research, Ford's developments 2−28204
bulb turbine computed stresses and natural frequencies comparison for design *(German)* 2−23167
compressor, axial-flow, dynamic blade motion meas. by non-contacting eddy current method 2−22455
computerised vibration testing using random-process digital simulator 2−16802
detection meter using two laser beams for differential meas. *(French)* 2−17130
dual-channel FFT meas. 2−17128
electric machines, conf. at Athens, Greece, 1980 2−23240
engine diagnostics using noise and vibration meas. 2−11680
error anal. in vibration measurement devices *(Russian)* 2−22247

vibration measurement continued
fault detection system, computer-controlled, for rotating and reciprocating machine 2−16809
high selectivity vibration measuring equipment for low freq. amplitude spectra *(German)* 2−11413
holography, Dennis Gabor memorial symposium, Haifa, Israel (Mar. 1980) 2−18850
holography and speckle techniques for deformation and vibr. anal. 2−10381
holography with speckling for vibr. anal. 2−20978
human spine vibration test, swept-sine, using analogue tracking filter 2−22532
IM200 gas power turbine blades vibration stress measurement and results under operating conditions *(Japanese)* 2−18675
internal friction, meas. of free damping vibrs., electronic arrangement *(Polish)* 2−16971
Japanese Industrial Standard for vibration level measurement *(Japanese)* 2−3274
microphones vibration sensitivity determ. *(German)* 2−11272
mirror vibrational displacement meas. using all-fibre Michelson interferometer 2−1704
new dynamic control 4-moment vibration generator 2−26997
nuclear VVER reactors internal vibration monitoring and control *(Czech)* 2−26993
optical fibre interferometer, single mode, phase modulation induced by controlled vibr. 2−10023
piezoelectric transducers, programmable signal conditioners, data acquisition system appls., interface with lab. computer 2−11426
piezomagnetic materials, internal damping and mag. permeability disaccommodation, automated recording method 2−22093
power tools, hand held, vibration meas. methods 2−11619
rotating component vibration analysis, image derotated holographic interferometry appl. 2−10385
small electric motor surface tangential vibration calc. and meas. 2−4254
small squirrel-cage motor 2−12676
small vibration measuring interferometers 2−17188
space shuttle engine turbopump characts. 2−22702
submarine vibration and strain measurement instrumentation with an automatic self-test feature 2−22098
tandem steam turbine moving blades 2−27725
TMI-2 tube vibration meas. program, sensor and instrumentation development 2−17908
torsional vibration pickups natural period lengthening magnetic device *(Japanese)* 2−22718
turbine part vibration testing, use of electronic speckle pattern interferometer 2−617
turbogenerator monitoring, shaft vibration and direct phase angle meas. *(German)* 2−27654
turbomachinery vibration meas., signature analysis appl. 2−23139
vibrotransducer, miniature capacitive, for PCB mechanical oscill. amplitude meas. *(Russian)* 2−26833
$Bi_{12}SiO_{20}$ crystals, two-wave mixing and energy transfer, image amplification and vibr. anal. appls. 2−20988

vibrations, molecular *see molecular vibration*

vibrometers *see vibration measurement*

video amplifiers
CATV bidirectional amplifier for trunk line 2−2940
FETs for video amplifiers *(French)* 2−14885
large-scale indoor CATV system, high-power distributed amplifier 2−2941
preamplifiers with parallel negative feedback, S/N ratio *(Russian)* 2−16641
transistor videoamplifier of nanosecond pulses with increased output voltage 2−8996
tunnel diodes excel as DC-coupled detectors 2−5724

video and audio discs
ablative optical recording, adjacent bit interf., results for rotating Te coated disc 2−2960
amorphous magnetic film erasable optical disc memory with laser diode 2−11252
buried-subcarrier encoding and decoding for RCA video discs 2−2948
CED, VHD video disc systems, technology characts. *(German)* 2−26645
computational video disc 2−2944
conference, London, England, Nov. 1981 2−13167
consumer electronic systems, future technology 2−21959
digital audio disc systems, using laser pickup sensors *(German)* 2−26684
digital audio equipment, trends *(Japanese)* 2−3007
digital gramophone records, advantages over long-playing records *(Danish)* 2−22019
digital methods for video and audio recording 2−11297
educational implications 2−16659
encoding schemes for video disk 2−26646
laser AlGaAs diodes for audio/video discs, optical communication and recording 2−6232
laser diode uses for optical discs 2−2959
laser disc memory for video and optical recording, information processing appl. *(German)* 2−16678
laser video disc, appl. of chalcogenide amorphous films 2−25543
LaserVision Optical Videodisc system, for storage and retrieval of colour TV pictures 2−16679
lenses for optical video disc scanning 2−20702
mastering for Philips optical disc systems, overview 2−11246
multisurface optical disc systems, optical heads 2−2961
optical disc document retrieval system 2−6938
optical laser discs, developments 2−6939
optical storage on discs, digital data and video recording, laser appls. 2−10394
optical video disc, carrier to noise ratio 2−11251
Philips digital laser-scanned audio recording system, characts. *(German)* 2−22022
Philips video disc system, using laser optics *(German)* 2−21978
Philips VLP video disc recorder with laser reading system *(Italian)* 2−16658
preheat-aided optical disc recording 2−11230
RCA's STF100 videodisc player, audio channel extraction from disc 2−6944
RCA CED VideoDisc system, capacitance electronic disc system 2−16680
review of RCA, JVC and Philips systems *(Spanish)* 2−16671
security system CCTV, video disc recording appl. 2−26639
SelectaVision videodisc player 2−2947

video and audio discs continued
semiconductor laser applications in Japan for fibre communication and information processing *(German)* 2−25797
stereophonic broadcasting, review *(Japanese)* 2−2864
stereophonic disc recording distortion, using vertical modulation 2−26692
survey of videodisc systems 2−2953
VHD video disc system designed by JVC company of Japan, description 2−16681
VP 100 capacitance electronic disc system videodisc player, stylus kick system 2−16676

video casette recorders *see video tape recorders*

video networks *see television networks*

video recording
see also video and audio discs; video tape recorders
6-bit monolithic video flash A/D convertor 2−24566
amplitude-frequency characteristic, continuous control device *(Russian)* 2−11250
automatic data acquisition and processing system using VTR 2−11394
automatic data acquisition and processing system using VTR 2−16880
Beta and VHS VTR format audio soundtrack recording techniques 2−26673
cinematography appls. *(German)* 2−16661
coding system for domestic videorecording of TV programs, 24 hr TV transmissions appl. *(German)* 2−21903
computational video: television as a human interface 2−11255
computational video disc 2−2944
development review incl. digital recording, combined camera/recorders 2−2958
digital image file using home VTR *(Japanese)* 2−16667
digital magnetic, TV studios appl. 2−16546
digital methods for video and audio recording 2−11297
digital techniques, standards *(German)* 2−6941
digital video processor, universal 2−21981
digital VTRs, unified standards 2−2950
disc recording using high power CDH-LOC laser diodes with lifetimes >10000 h 2−25783
editing CM without use semimaster tape, broadcasting appl. *(Japanese)* 2−16570
electronic news gathering use of compact VTR 2−21980
electronic transcribing of Super 8 film onto video tape, Grundig system *(Italian)* 2−21973
flickerless scanning of Super 8 films, Grundig EFA use *(German)* 2−11239
Grundig VP100 portable video camera with compact video cassette *(German)* 2−16620
high definition video signal storing with 60 MHz mag. recording equipment 2−16664
holographic near-real-time displays using electronic recording 2−10384
imaging system, microprocessor-controlled, displays free falling object in stop action 2−2966
integrated picture/sound postproduction system for electronically produced television programme items *(German)* 2−26589
Kadek vision, short profile 2−26624
laser disc memory for video and optical recording, information processing appl. *(German)* 2−16678
laser scanning recorder, high-speed, hybrid 2−2962
MAG camera, video recording camera 2−2945
magnetic, basic techniques in VTR construction *(Japanese)* 2−11245
magnetic FM, input cct. optimisation of the playback channel 2−2956
magnetic recording and hard copying techniques *(Japanese)* 2−9860
magnetic recording bsic techniques *(Japanese)* 2−16666
magnetic tape video signal recording, technology, charcts. 2−26642
master antenna connections, additional TV receiver appl. 2−26648
MOSAIC-A editing system for video tape recordings prior to broadcasting *(German)* 2−26588
motion anal., prototype laboratory instrument 2−2963
off-line editing of videotape, TV, film industry, appl. 2−11240
one-inch helical VTRs by Hitachi Denshi's HR-200 and HR100 2−2951
optical disc document retrieval system 2−6938
optical disc recording, preheat-aided 2−11230
Philips video disc system, using laser optics *(German)* 2−21978
Pro-Video Color SA/, Paris 2−2860
quasistatic TV image recording using narrowband SSTV and audio tape recorder *(German)* 2−6945
Rank Cintel Mk III telecine, jump-scan operation 2−11232
RCA Hawkeye recording camera system 2−26633
road traffic overtaking data recording, appl. of video instruments 2−21984
security system CCTV, video disc recording appl. 2−26639
Swiss Army ACM 300 outside broadcast unit, VTR/camera mobile facility 2−16562
synchronised shuttered video camera for high speed video photography 2−11253
telecine equipment, Japan *(Japanese)* 2−11244
TV appls. in education, medicine and technology *(Japanese)* 2−11257
TV display generator and video countdown programmer for digital data insertion appls. 2−11254
underwater imaging equipment, ENG camera appl. *(Japanese)* 2−16652
videocassette TV systems for civil aircraft, safety and reliability 2−11233
videocontrol device scanning, non-linear distortion measurement *(Bulgarian)* 2−26953
videotape performance rating for home-recording systems 2−6943
VTR noise sources including magnetic particle noise *(Japanese)* 2−16668
Mn-Zn ferrite monocrystal video recording head from Grundig *(Dutch)* 2−25423

video signals
A/D convertor for high definition TV *(Japanese)* 2−6924
ACE 4-field TV standards convertor 2−16560
adaptive block/location coding of facsimile signals using subsampling and interpolation 2−21294
adaptive delta modulated video signals, data compression 2−15939
adaptive prediction for DPCM coding of TV signals 2−15821
addressable satellite encryption system for preventing signal piracy 2−21774
Antiope and UK teletext reception comparison field trials 2−21524
asynchronous intra-frame coding with one-dimensional prediction 2−21301
automatic on-line measurement techniques *(Polish)* 2−16650
B3565 Marconi synchroniser, soln. to synchronisation problem 2−2924

video signals continued
basic colour signals, statistical investigation of permissible levels *(Czech)* 2−6928
broadcast TV signals, statistical performance anal. of interframe encoder 2−16625
buried-subcarrier encoding and decoding for RCA video discs 2−2948
cable TV signal scrambling system advantages and pitfalls 2−26638
channel parameter value distribution, approx. methods using assessment points *(German)* 2−26621
characteristics of TV signals pre-emphasis and correction system *(Russian)* 2−16647
chroma-key systems in digital TV 2−16547
colour, coding standards for electrocinematography 2−2965
colour display graphics possibilities 2−21631
colour TV receiver, digital video signal processing, meas. for improving picture quality *(German)* 2−21939
colour TV signals, colour transitions in distortionless reception 2−2898
colour TV signals, interfield and intrafield adaptive prediction coding *(Japanese)* 2−6406
colour video signal processing, using multipurpose CCD comb filter 2−19783
continuous image recording using grey-tone dry-process Ag paper, medical appls. 2−3085
contour prediction, adaptive DPCM algorithm for NTSC colour signals 2−10705
cosine transform implementation for TV signals 2−21376
decentralised automatic TV transmitter monitoring system 2−11163
delta modulator, three-level double integration adaptive, construction method 2−21299
differential numerical encoder, microcomputer aided *(Italian)* 2−21953
digital, signal processing techniques *(Dutch)* 2−15874
digital, TV studio production techniques 2−16545
digital colour TV signals, bit rate reduction *(German)* 2−2919
digital data transmission and TV appls. in vertical blanking interval 2−11260
digital freq. synchronisers DFS 1750, design 2−2923
digital sychronisers operation *(German)* 2−6890
digital synchronisers, economical alternative 2−2925
digital TV studio coding parameter selection 2−16544
digital video bandwidth compression using block truncation coding 2−15942
digital video systems, problem of storage 2−11156
DM bit stream, entropy encoding 2−10650
dot-form video pulse signal conversion, interface to dot-type printer 2−24466
echo reduction is teletext, automatic equalizer 2−6633
faster ADC without DAC *(German)* 2−19732
fibre optic communication link for missile payout appls. 2−2797
fibre-optic analogue video transmission systems using laser diodes, linearity 2−21850
flat screen display techniques for pocket TV receivers 2−21946
ghost signal measurement, analysis *(Japanese)* 2−11213
halftone images, automatic processing 2−15930
high definition television systems: desirable standards, signal forms, and transmission systems 2−21956
high flexibility programmable raster for video displays 2−6922
hybrid coding by picture domain segmentation 2−10624
image transmission system for TV signals, low-speed, experimental system 2−26297
interactive video graphics terminal price/performance relationship 2−21680
intercarrier buzz in television sound signals caused by video signals 2−6893
interfield hybrid coding of component colour TV signals 2−15936
interframe image coding, displacement meas. 2−15941
interpolation for DAC in PCM transmission systems for colour TV 2−6905
LED flat picture-display driven by digital video signal using time-division method *(Japanese)* 2−17058
LED picture-display device driven by digital video signal using current-division method *(Japanese)* 2−17059
light intensity modulator, wide band $LiNbO_3$ branch waveguide, video signal transmission 2−1742
MIC down convertor for 2150 MHz TV signal using thick film technology 2−6894
microwave service networks, NTT AO-3-A video switching equipment 2−2932
mining unit, using TV cameras *(German)* 2−16682
NTSC, sampling and reconstruction at twice colour subcarrier freq. 2−15944
NTSC colour video signals, intra-frame DPCM codec appls. 2−21684
NTSC signals, 30 Mbit/sec codec using interfield-intrafield adaptive prediction 2−16624
NTSC signals, inter-field interpolated sub-Nyquist sampling *(Japanese)* 2−6923
NTSC TV signals, architecture for hybrid coding 2−11150
on video channel modelling/ for TV picture quality assessment *(German)* 2−2881
online monitoring techniques during broadcasting *(Polish)* 2−2883
optimal synchronizer synthesis for additivity disturbed flow *(German)* 2−21264
PAL, digital coding for 34 Mbit/s transmission systems, bandwidth compression appl. 2−16542
PAL-decoder for video signal processing *(German)* 2−26613
picture quality comparison for five different types of narrow-band TV signal transmission *(Japanese)* 2−26582
predictive data compression, colour picture signals using component coding system 2−11151
Prestel, still picture transmission, use of image data compression techniques 2−6569
pulse shape optimisation for teletext transmission 2−2552
Quantel digital Production Effects equipment for high-speed video signal processing 2−6920
QX 7000 video mixing unit, development, appls. *(German)* 2−26631
random, noise interference of video signals, effects on image resolution and grey scale 2−15725
real time digitiser for stereo image processing 2−26155
real-time adaptive contrast enhancement 2−15907
robot position control using TV image processing 2−21988
robust two-dimensional tree encoding of images 2−15940
run code, conversion to chain code 2−21367

video signals continued
satellite broadcast security system 2−21306
satellite security system operating specifications, development 2−21812
satellite transmission, video security systems 2−21811
satellite TV link quality improvement expts. with threshold extension demodulator *(French)* 2−21807
scene adaptive coder, using discrete cosine transform 2−10649
SECAM color TV signals, high-frequency precorrection 2−11225
SECAM video mixers, chrominance signal instability, compensation 2−21961
sequential digitized video imagery, bandwidth compression using block truncation cooling 2−2397
slow-scan TV, received signal processing 2−16635
SMPTE component-coded digital video, picture quality assessments 2−16571
SMPTE demonstrations of component-coded digital video, San Fransisco, 1981 2−16636
special effects and chroma-keying 2−16628
teletext DIDON and Antiope decoder principles, characteristics and applications *(French)* 2−21535
threshold circuit with low contrast clamp and absolute black clamp 2−898
time compression multiplexing of multiple television signals in satellite channels using chirp transform processors 2−15965
time-frequency multiplexing, two colour TV signals, simulation results 2−11149
tracking system, distributed parameter system regulator design 2−15958
TV broadcast satellite signal reception and processing 2−21808
TV broadcasting video synchronisers in practice for signal distrib. system 2−2859
TV display generator and video countdown programmer for digital data insertion appls. 2−11254
TV Nyquist demodulators, VSB envelope detection limitations 2−26605
TV picture signal transducers, raster parameters, AFC system *(Russian)* 2−2936
TV receiver synchronization signals, time instability meas. automatic meter with 2-3 ns meas. error *(Russian)* 2−3212
TV signals, digital image processing techniques *(Japanese)* 2−10712
TV studios appl. of digital signal processing techniques, status, problems and prospects 2−16621
two channel picture coding system, adaptive companding and colour coding 2−15946
two channel picture coding system, real time implementation 2−15945
videotex service quality over switched telephone network, effect of transmission errors *(French)* 2−21533

video tape recorders
automatic control for a video head block of studio video tape recorders using noncontacting DC motors *(Russian)* 2−21979
BCN 100 1 in. multicassette machines, multilingual advertising for Swiss TV 2−16665
Blaupunkt RTX-200 video recorder, TVC-202 video camera, charact. *(German)* 2−21977
cassette recorders 2−6969
circuits and complementary modes in video recording *(Spanish)* 2−16670
consumer VTR equipment review *(Japanese)* 2−11242
digital, discussion of DVTR formals 2−26647
digital, format and coding systems 2−21982
digital, mechanical formats, quadruplex, helical B and helical C 2−11231
digital component video recording at 230 Mbit/sec 2−16674
digital decoding and encoding of the NTSC signal at 912 samples per line 2−16675
digital image file using home VTR *(Japanese)* 2−16667
digital VTRs, unified standards 2−2950
electronic systems for VTRs *(German)* 2−11247
film edit decision making using videotape as medium 2−26650
fixed head, round trip tape format and endless tape format *(Japanese)* 2−11243
Funai's CVC portable video system, charact. 2−16669
Gratz telerecorder, high quality home equipment *(German)* 2−26643
Grundig, FAC 1800 colour TV camera accessing *(Italian)* 2−16672
Grundig 2000 video recorder, redesigned for stereo sound *(German)* 2−26644
Grundig 2×4 Super video recorder, motor control system *(German)* 2−11238
Grundig Video 2×4 Super video recorder, audio circuits *(German)* 2−11237
Grundig Video 2×4 Super video recorder, controls and clock *(German)* 2−11236
Grundig Video 2×4 Super video recorder, microcomputer controlled *(German)* 2−11234
Grunding Video 2×4 Super recorder, microprocessor controlled *(German)* 2−6940
head positioning facilities in Philips, Grundig Video 2000 VTR *(German)* 2−16673
heads parameters, design and development prognosis *(Polish)* 2−1572
high-definition TV developments 2−2922
home movie system, small video tape recorder using solid state CCD camera 2−2946
magnetic video signal recording technology, charact. 2−26642
Matsushita PCM audio recorder, using digital VHS video recorder *(German)* 2−22023
miniature, in Matsushita colour recording system *(German)* 2−21975
multiple soundtracks *(Japanese)* 2−2949
National NV-7000 E video recorder, MN 1400 VP microcomputer controlled *(German)* 2−2943
noise sources including magnetic particle noise *(Japanese)* 2−16668
one-head helical scan, SECAM signals, time base corrector *(French)* 2−21983
one-inch helical VTRs by Hitachi Denshi's HR-200 and HR100 2−2951
PCMVCR interface for digital audio 2−11298
Sharpe-Optonica PCM RT-XI cassette deck *(German)* 2−16663
Sony SL-C7 video recorder, charact. *(German)* 2−21976
speed regulator systems design and control algorithms *(Polish)* 2−2954
time code control for DK 3000 system *(German)* 2−2957
Toshiba longitudinal VCR, use of fixed head, charact. and appls. 2−16677
transmission-type one inch helical VTRs, review *(Japanese)* 2−11241
TV receivers, code signal tape recorder control *(German)* 2−21974
two-way audio-visual information system, Pana Campus system *(Japanese)* 2−21968

video tape recorders continued
two-way audio-visual information system for schools *(Japanese)* 2−21987
VCR formats, systems, technology 2−16660
Video 2×4 Super video recorder, mechanical parts *(German)* 2−11235

videofrequency amplifiers *see video amplifiers*

videophones *see videotelephony*

videotelephones *see videotelephony*

videotelephony
COST 211 project using OTS 2−11060
hybrid coding by picture domain segmentation 2−10624
picture coding research for 2 Mbit/s transmission, European collaboration 2−21448
product growth cycle 2−25549
video response system, Japanese overseas data communication systems 2−2532
video transmission of American sign language and finger spelling 2−21447
visual communication systems for the deaf 2−21446

videotext *see viewdata*

vidicons *see television camera tubes*

viewdata
adaptor for teletext and viewdata, Teleview 3-chip system *(Dutch)* 2−6556
advanced Video Response System−phase III. 2−21507
advantages for business and domestic users *(Swedish)* 2−21501
Antiope videotex system philosophy, standardization and properties *(French)* 2−21520
'antiopisation' of data 2−21540
Bilderschirmtext modem with CCD-devices, data channel realisation *(German)* 2−2501
Bildschirmtext, developed by German Posts and Telegraphs Dept. *(German)* 2−6553
Bildschirmtext development, multilevel test and implementation strategy 2−21528
Bildschirmtext system, field trials, review of progress *(German)* 2−26252
Bildshirmtext appls. *(German)* 2−26247
business appls. 2−10830
Canada's Telidon data communication system 2−6557
Canadian videotex service experience and choice of Telidon coding scheme 2−21521
CAPTAIN, Japanese system, experimental service and user reactions 2−21504
CAPTAIN system, trial service, new colour encoding methods *(Japanese)* 2−21512
CAPTAIN system of Japan, current status and role of videotex *(Japanese)* 2−21511
CATV delivery systems for videotex services 2−21542
centralised system for subscribers, possible applications *(German)* 2−16218
Civil Service administrative directives, idea of videotex database 2−10832
communications policy issues in US caused by electronic publishing 2−6572
development of information transmission by telecommunications *(French)* 2−10757
developments in videotext *(Swedish)* 2−26259
digital communication systems, using CC Cu conductors, for improved speech transmission and simultaneous transmission of telex, teletext and pictures *(German)* 2−16312
DIODE management of broadcasts in a data packet broadcasting system *(French)* 2−21539
distributing viewdata and teletext services to a user community 2−10834
domestic TV set and peripheral equipment interconnection for VDU use *(French)* 2−21952
educational technology applics. *(German)* 2−16126
EFTS requirements of 'teleshopping' viewdata services 2−10826
electronic displays conference, London, England (Sep. 1981) 2−18866
European standard, charact. *(German)* 2−16119
European viewdata standard, British Prestel, French Antiope systems comparison *(German)* 2−16124
Finnish Teksti-TV system, transmission and reception principles *(Finnish)* 2−16112
French Telematique viewdata system, government's view on its development 2−16136
Gateway in West Germany 2−6561
general description various systems 2−2502
general review 2−10829
German experimental viewdata, critical review *(German)* 2−16125
German Post Office experimental service, field trials *(German)* 2−16118
graphics combined with TV techniques in Flair picture making device 2−2964
Green Thumb, USA agriculture information project 2−6574
home information service standardisation prospects 2−10827
Hungarian viewdata and teletext systems *(Hungarian)* 2−6564
industrial use 2−2493
industry directions 2−16129
information supplier user, experiences *(German)* 2−16120
interactive videotex, fundamentals, development and Belgian application *(French)* 2−21530
interactive videotex system structure and operating principles 2−21527
international standardisation videotext systems *(Japanese)* 2−6563
international videotex networks, automatic language translation 2−21532
LSI viewdata dedicated chip, used as microprocessor peripheral 2−2496
man-computer communications, conf., Waterloo, Ont., Canada (Jun. '81) 2−2504
man-computer communications, conf., Waterloo, Ont., Canada (Jun. '81) 2−10835
market prospects in light of IBM involvement 2−21498
new telecommunication services in Europe *(Italian)* 2−16187
office service, information, mailbox, order flow *(German)* 2−16121
page format on 525 scan line raster TV, 20 versus 24 rows 2−21505
presentation level protocols for national videotex services 2−16114
Prestel, first year of public service in UK 2−21519
Prestel, still picture transmission, use of image data compression techniques 2−6569
Prestel, viewdata standard, specifications compared *(German)* 2−16122
Prestel and information channels 2−2506
Prestel applications in information science 2−10825
Prestel developments and market position 2−16113
Prestel interface to Commodore PET 2−6568
Prestel international developments 2−2485

viewdata continued
Prestel network organisation 2−2492
Prestel services 2−2498
Prestel system, comparative study, book 2−16137
Prestel telestoftware display standards 2−2500
Prestel TV system adaptors 2−6567
Prestel variants in Switzerland, W.Germany, operation *(German)* 2−16134
Preview, viewdata computer memory conversion 2−2489
private viewdata supplier market in UK 2−2486
project electronic subscribers' list: description of the system architecture *(Italian)* 2−16139
public videotex network, description 2−16132
public viewdata systems and the developing countries 2−2505
services in Switzerland, Prestel variants in Europe *(German)* 2−16133
standards and consumer acceptance 2−10828
survey, private systems 2−6560
Swedish Datavision viewdata system proposals *(Swedish)* 2−21500
Swiss Teletext system, features and comparison with Videotex system *(German)* 2−16219
systems development in GB *(German)* 2−26251
telematics in home and office *(Polish)* 2−21515
telematics problems for business and professional users *(French)* 2−21536
telematics research in Italy *(Italian)* 2−26195
telematics technology research and developments in Italy *(Italian)* 2−26192
telesoftware for microcomputers, through Prestel 2−6566
Teletel, advancement by French into US market 2−26254
Teletel 3V French videotext service 2−6573
Telidon, encoding grey level BIT pictures 2−10837
Telidon alphageometric coding scheme 2−6559
Telidon hardware manufacture in Canada 2−21497
Telidon relationship to computer graphics standards 2−10836
Telidon system, evolution and prospects 2−21496
Telidon terminal equipment 2−6558
TELSET−the Finnish videotex system 2−16140
terminals for office communication, equipment configurations *(German)* 2−21510
Thomson Holidays, reservation system CARS, using Prestel 2−2495
TV information explosion, review 2−26257
TV newspaper systems *(Bulgarian)* 2−6562
TV services competitive with and complementary to videotex 2−21531
user applications, review 2−26250
Velizy Teletel interactive videotex service available to general public *(French)* 2−21529
Video Response System, an interactive information centre 2−10839
Videotex, comparative study of future development *(Spanish)* 2−6570
videotex, teletel and the consumer *(French)* 2−2503
videotex, teletex and facsimile services, unification advantages and obstacles *(French)* 2−21472
videotex, user expectations, potential of medium 2−16130
videotex and personal computer for office automation and home working 2−6571
videotex and teletext: similarities, differences and prospects 2−26256
videotex as an economic factor *(German)* 2−16115
videotex developments for home and business data delivery 2−16117
videotex display technology, immediate past and likely future 2−21518
videotex graphics from user's standpoint 2−21537
videotex in Europe experience 2−26260
Videotex Information Provider System for Telidon coding 2−26258
videotex interconnection *(German)* 2−16116
videotex service quality over switched telephone network, effect of transmission errors *(French)* 2−21533
videotex service technology and application strategy 2−16138
Videotex standardization in Europe, plans by CEPT *(German)* 2−21508
videotex terminal equipment for office communication *(German)* 2−21509
videotext, advertising examination 2−2490
videotext, government involvement 2−2487
videotext, US market 2−2491
videotext and office integration 2−2494
videotext decoder for Grundig Super-Color TV sets *(German)* 2−16128
videotext market anal. 2−2488
videotext standardization for national and international compatibility *(German)* 2−10831
videotext systems structure, components, transmission coding and standards compatibility *(Finnish)* 2−21495
ViewMax from Modcomp. complete videotext system for updating and editing 2−6565
visual communication service introduction in Gulf area, governing factors and prospects 2−6575

viewing screens *see screens (display)*

virial coefficients *see equations of state*

virtual machines
in-circuit emulation, component testing on dynamic bus structured boards 2−22149
satellite based radionavigation system, GPS, software testing, emulation based simulation facility 2−21879

virtual storage
mass memory system in DIPS 104-02 operating system for data communication *(Japanese)* 2−6593
NMOS 32-bit microprocessor with virtual memory support 2−14149
roll-mode error correction 2−2262

virtuons (virtual phonons) *see phonons*

viscoelasticity
see also creep; stress relaxation
gas insulated substations, mechanical props. of particulate-filled epoxy resins 2−18399
plates, elastic and viscoelastic, thermal lens form. due to laser nonuniform heating 2−25851
polymers, transparent, laser damage mechanism assoc. with their viscoelastic props. 2−20937
thin plate, metallurgical characterization by ultrasonics 2−8886

viscometers
see also viscosity measurement
automatic ball-type viscometer for power station boilers, static and dynamic characts. 2−26999
computer controlled measurement *(Dutch)* 2−26743

viscoplasticity *see plasticity*

viscosimeters *see viscometers*

viscosity
see also viscosity of gases; viscosity of liquids
enamel viscosities rel. to cresylic acid content, model FORMVAR and polyurethane types 2−15070
Navier-Stokes equations viscous splitting algorithm 2−13768
steam turbine blade rotor nonadiabatic viscosity, integration model 2−17999

viscosity measurement
see also viscometers
automatic ball-type viscometer for power station boilers, static and dynamic characts. 2−26999
liquid refrigerants and refrigerant mixtures viscosity measurement *(German)* 2−22453
polyethylene, molten state, elec. conductivity, dielec. const. and viscosity meas. in high field 2−5828
polystyrene, molten state, elec. conductivity, dielec. const. and viscosity meas. in high field 2−5828
polyvinylidene fluoride, molten state, elec. conductivity, dielec. const. and viscosity meas. in high field 2−5828
relative measurement using oscillating disk viscometers, re-evaluation of method 2−27000

viscosity of gases
No entries

viscosity of liquids
bicyclo[2.2.2]octane esters, nematic liq. cryst. props. rel. to display appls. 2−11552
liquid refrigerants and refrigerant mixtures viscosity measurement *(German)* 2−22453
magnetic liquids, mag. props. and appls. 2−15122
silicone, effect of viscosity on high field cond. in dielec. liquid films in time range 10^{-5} to 10^{-3} s 2−1521

visibility
see also atmospheric optics; brightness; light transmission
No entries

visible and ultraviolet spectra of inorganic solids
optical response of excess electrons in dielec. liquids 2−1470
semiconductor, high-resolution optical spectroscopy characteris., review 2−9395
semiconductor, microstructural information from opt. props. in near IR to near UV range 2−14606
semiconductor, surface overlayers detection and minimisation using spectroscopic ellipsometry 2−11646
semiconductors, conference, Hakone, Japan (Sept. 1980) 2−13151
tetrabromophenol blue, adsorption on ZnO and resulting photovoltaic properties under He-Ne laser 2−15392
As-Se, glassy, absorption spectra 2−14669
As-Se, glassy, optical absorpt. spectra 2−9467
Au-CdS Schottky barrier solar cell, Ta_2O_5 antireflection coating 2−18475
$BeAl_2O_4:Cr^{3+}$, spectroscopic and lasing props. 2−10278
BeF_2 glasses, vacuum UV props. 2−9965
n-CdSe/electrolyte interface, electrorefl. spectra, photoelectrochem. solar cell appl. 2−5650
GaAs periodic doping structures grown by MBE, space charge field of impurities, cond. modulation 2−5621
GeO_2-SiO_2 glass preforms, pure and codoped, UV absorpt. obs. 2−20608
Si, amorphous, CVD growth, struct., optical, and elec. props. 2−20099
Si amorphous RF sputtered coating, photocond., optical and EPR props. 2−20093
Si, optical absorption meas. for pure and heavily-doped materials, 1.24 to 4.63 eV, polarization modulation ellipsometry, solar cell performance 2−23607
Si:As, ion implanted, ellipsometric spectrum *(Chinese)* 2−14758
Si:H, microcryst. plasma deposited coating, elec. cond. and optical absorpt. 2−24922
a-Si_xNi_{1-x}:H, wide optical-gap, photoconductive, elec. and optical props. 2−15380
SnOx, amorphous spray coating, elec. and optical props. 2−20104
V_2O_5-TeO_2 semiconducting glass, elec. cond., thermopower and optical absorpt. 2−25012
YAG:Nd^{3+} radiation coloured crystals 2−20871
ZnS_xSe_{1-x}, polycryst., prepared by CVD, struct. and optical props. 2−24329

vision
see also colour vision; eye; vision defects; visual perception
aids, TV system for assessing visual performance 2−3460
evoked potential testing, half-field pattern, sequential technique 2−3490
grating displays, computer-controlled function generator 2−26772
instrument for monitoring eye fixation and pupil size during visual field exam. 2−27143
testing, the LAIR dark adaptometer, solid-state apparatus 2−7323

vision defects
corneoscleral coagulator based on Yb-Er:glass laser 2−27199
saccadic eye movement disorders, quantitative evaluation, computerized system 2−27115

visual perception
depth, electro-optical display systems limitations 2−16851
liquid crystal display, transmission type, brightness-luminance ratio, psychological expt. 2−10081
luminescence investigations, vision research implications 2−28210

visualisation, particle track *see particle track visualisation*

vitreous state
see also electron energy states of amorphous solids; glass
c-amorphous $In_{0.25}Te_{0.75}$-C struct. nanosecond switching parameters 2−9457
Ge-Sa-As(Sb)(Bi) influence of bond metallisation on elec. cond. 2−5576

vitrification
PrO_x-P_2O_5 glasses, elec. props. rel. to oxidation and red. treatments, glass form. range 2−9451

vitroceramics *see ceramics; vitreous state*

Vlasov equation
ion extraction from collisionless plasma and optics arithmetics 2−2090
relativistic annular electron beam, propag. in dielec. loaded waveguide, Cherenkov radiation 2−14582

VLSI *see large scale integration*
V_2O_5-P_2O_5 semiconducting glasses *see amorphous semiconductors*
vocoders
see also speech synthesis
5 kb/sec and below, function, state of art and standardisation *(French)* 2−10900
A/D and D/A convertor construction principles *(German)* 2−2298
continuous tone-coded squelch system implemented in an eight-bit microcomputer 2−6462
data rate below 5 kbit/s, speech digitisation methods *(French)* 2−6419
DPCM codecs for PSK voiceband data 2−21305
LPC, recursive windowing for generating autocorrelation coefficients 2−6405
mel-sone spectrum approximation filter appl. 2−19762
microprocessor-based architecture for high speed data processing 2−15872
packet voice message system characts. 2−16062
Racal-Milgo Phoneplex-24 vocoder and Datacryptor II 2−21664
single-channel PCM voice CODEC in NMOS technology 2−26316
transceiver, for narrow-band digital mobile radio equipment 2−11005
voice synthesizing ccts. using linear predictive coding techniques *(Italian)* 2−6415
voiced/unvoiced detector for Elektor vocoder 2−2590
voice *see speech*
voice coders *see vocoders*
voice communication
acoustic access in data processing equipment *(German)* 2−26208
algorithm for estimating loudness parameters, telecommunication appl. *(Japanese)* 2−15855
analog speech communication system security 2−2556
automatic voice response systems, waveform coding, speech synthesis chip sets appl. 2−10653
British Telecom data service developments 2−21614
code division multiplexed parallel data transmission systems for voice frequency channels 2−6478
codecs quality determ., microprocessor-controlled S/N ratio meas. system 2−11371
COM2 time assignment speech interpolation based concentrator 2−2411
combined voice and data PABX market prospects 2−21584
commercial voice concentrator over AUTOVAN interswitch trunks, operational evaluation 2−2412
continuous tone-coded squelch system implemented in an eight-bit microcomputer 2−6462
delay related issues in integrated/ voice and data networks/ 2−2427
development and design, conf. at Ottawa, Canada (1981) 2−16085
digital, mobile radio, MFSK system performance 2−16388
digital speech compression system for adaptive differential PCM with time assignment interpolation, bit-slice microprocessor appl. 2−2267
digital speech interpolation, design considerations 2−2318
digital speech transmission in mobile radio, recent developments 2−21752
digital systems, microwave appls. book 2−6747
digital voice communications over telephone lines, objective speech quality meas., simulated algorithm *(Croatian)* 2−16052
digital voice processing land mobile radio/ 2−2722
DPCM speech channel, subsampling, to provide two half-rate channels 2−10763
electronic speech cct. for telephones, developed by Bell Northern Research 2−16051
integrated service business networks composed of voice, video and data, development 2−2431
integrated voice/data private network planning 2−2439
Japan-Korea submarine cable system for international telephony, CS-36M-DR system appl. *(Japanese)* 2−26383
laryngeal adjustments in the production of consonant clusters and geminates in American English 2−21317
light-powered telephone subscriber set in optical fibre bidirectional speech transmission system *(Italian)* 2−6645
local ring network for integrated data and voice traffic *(Italian)* 2−21624
MF radio communication system for underground mining, system design and performance 2−16407
mobile VHF radiotelephone services, speech transmission quality 2−16380
MT8980, digital switching chip 2−6661
multiplexed CODEC using shift register storage, voice line appls. 2−26320
packet speech system, adaptive control on length of jitter absorbing buffer 2−2606
packet switched speech communication 2−21462
packet switching networks for speech communication 2−21627
packet voice message system characts. 2−16062
packet voice terminal hardware design 2−21679
packet-switched speech/data digital network, optimum packet length calc., w.r.t. delays *(French)* 2−26170
packetized service integration network for dedicated voice/data subscribers 2−16004
private line voice concentrator, time assignment speech interpolation system for small trunk groups 2−2459
psychological effects of stress on speech characteristics 2−15870
psychological stress evaluators' study 2−15871
satellite TDMA communications link, digital speech interpolation system *(Japanese)* 2−6796
SENET multiplexed link, fluid approximation approach to estimate data traffic performance 2−6491
SILK, system for integrated local communication 2−21648
TASI-E communications system, time assignment interpolation technique, electronic cct. multiplier 2−2639
telephone messages, delayed delivery by voice mail 2−10804
telephone speech loudness rating, equivalent reference measurement accuracy *(Japanese)* 2−15854
Teletraffic Optimizer Program, voice optimization technique 2−2407
three-level double integration adaptive delta modulator, construction method 2−21299
time assignment speech interpolation system for digital and analogue appls. 2−2319
time assignment speech interpolation technique, private line voice concentrator, performance anal. 2−2317
time signal permutation method analysis, analog voice privacy system appl. 2−15869
toll quality residual encoder for speech 2−10913
TP 3100A/B digital-line-interface controller for voice and data switching 2−2611
UHF receiver, dynamical response to fading 2−16349
voice communication continued
VHF CW add-on for SSB or FM, VOX facility for transceiver, key or microphone input 2−10982
voice message system controlled by word recognition 2−16063
Voigt effect *see magneto-optical effects*
volt-ampere meters
see also power measurement; wattmeters
No entries
Volta effect *see contact potential*
voltage *see electric potential*
voltage comparators *see comparators (circuits)*
voltage control
15 MVA mobile regulating transformer to increase operating flexibility 2−23342
400 kV power transformers for power system, in France, motorised devices *(French)* 2−23339
735 kV shunt-compensated system stability with static compensators 2−17696
AC low-power stabiliser 2−5100
AC systems, stability, effect of static compensators *(French)* 2−23256
alternating-voltage continuous amplitude control, inductive switching circuit, anal. of power conversion processes 2−23373
arc and resistance welding, method for the smooth regulation of power sources including longitudinal-capacitive compensation 2−28273
ATM 80 process computer family, control units for power supply modules *(German)* 2−28032
autotransformer/booster control transformer set transient phenomena during voltage control system changeover from longitudinal to transverse *(Polish)* 2−23330
auxiliary power system design optimisation for large generating units 2−17709
AVRs of generators of production and transmission networks, voltage compound and reference values coordination 2−3715
convertor systems, stability anal., comparison of methods 2−23351
convertor-fed induction motors control and tuning by microprocessors *(Flemish)* 2−23286
DC pulse-width convertors, transfer functions, voltage regulation *(Russian)* 2−18320
DC regulated supply, using digitally controlled SCRs 2−24398
dispatching, minimum MVAR generation criterion 2−3710
distribution system integrated voltage and reactive power control 2−27479
electric grids of energetic systems, centralised control of voltage and reactive power *(Russian)* 2−3698
electric utility system, control of new energy sources 2−17651
electrical circuitry of TGM4(A) and TGM6A diesel locomotives, Soviet Union *(Russian)* 2−28169
fluorescent lamps, uniform illumination control, regulation of AC drive signal 2−23743
fractional-horse power squirrel-cage motor with hybrid rotor 2−4251
graphitisation furnace, automatic control characts. *(Russian)* 2−28234
HV apparatus power supplies thyristor appl. 2−705
increasing the effectiveness of ferroresonant voltage stabilisers *(Russian)* 2−12751
induction motors operating with variable frequency power supplies 2−7848
invertor driven squirrel-cage induction motor, PWM performance anal. 2−4173
microcomputer based power transformer voltage control scheme 2−4271
multimachine power system, closed loop quasioptimal excitation control strategy 2−3695
multiphase silicon convertors control algorithm for long distance traction vehicles *(Polish)* 2−28176
photomultiplier HV power supply, stabilised 2−704
power factor controller, definition and appl. 2−28077
power supply, computerised, GPIB characts. *(German)* 2−13945
power system, voltage level maintenance 2−7489
power system stability, development trends *(French)* 2−12168
power systems, integrating renewable energy sources into small systems 2−17665
problems and concepts of static compensator control 2−12290
ramp generator for proportional voltage control 2−14008
reduced voltage starting using SCRs 2−23303
regulated DC-DC voltage source convertor using high freq. link 2−18367
regulator with automatic overcurrent protection, characts. *(Polish)* 2−711
role of static compensation meeting AC system control requirements with particular to the James Bay system 2−12291
rural distribution system 2−7533
secondary reactive power-voltage control in a hierarchical control scheme *(German)* 2−7470
secondary voltage control of EDF network 2−3738
solid state AC voltage controller for industrial loads 2−18404
stability region maximisation control law for operation in network 2−27899
static compensator use to control voltage level and balance on ESCOM system 2−4321
static invertors, parallel connection using voltage/current control *(Spanish)* 2−13959
switching convertor, high power, operated in voltage controlled current mode 2−18337
symmetrical voltage source with overload protection *(Polish)* 2−13963
synchronous machines, electromagnetic oscillations, voltage control effect on damping *(German)* 2−27888
thyristor driven electric motor, energy characts. *(Russian)* 2−23364
TL783 adjustable regulator, 125 V differential 2−13937
transformer rectifier-invertor with pulsewidth modulated voltage in AC cct., parameters determ. *(Russian)* 2−4299
transistor switching regulator starting and monitoring 2−695
vibration measurement devices, anal. of errors *(Russian)* 2−22247
voltage convertor, thermal, with BNC input connector 2−11571
voltage source invertor-fed machines, influence of volts/hertz control on filter impedance effects 2−18255
Wien-bridge oscillator with high-amplitude stability 2−14001
voltage-controlled oscillators *see variable-frequency oscillators*
voltage controllers *see voltage regulators*
voltage distribution
see also electric breakdown; overvoltage; surface discharges; transients
120 channel HV regulator, DATEP, for gamma detector photomultipliers 2−17310

voltage distribution continued
gapless ZnO surge arresters, voltage distribution designs, expt. and calc. 2−12308
motor winding insulation failure, steep-fronted switching voltage transients meas. 2−27875
motor windings, interturn insulation stresses, steep-fronted switching voltage transients distribution tests 2−27876
power transformers, impulse voltage tests *(German)* 2−18294

voltage dividers
see also autotransformers; potentiometers
5 V operation indication circuit *(German)* 2−13949
16-bit D/A convertor with dynamic voltage divider *(Czech)* 2−24562
capacitive voltage divider, appl. to high voltage measurement *(German)* 2−17063
FEU-49B photomultiplier, protection from terrestrial mag. field 2−14253
high voltages meas., appls. *(French)* 2−17066
HV resistance dividers stacking, for DC circuit voltage meas. 2−26926
inductive voltage and current dividers, design anal. and appls. *(Russian)* 2−884
LF voltage ratio transformer design, using CMOS switches 2−14322
ratio meas. system using ADC and DAC 2−11566
resistance voltage divider, HV electrode design by iterative procedure 2−7174
voltage-halving converter 2−8974

voltage doubler rectifiers *see voltage multipliers*

voltage drop *see electric potential*

voltage measurement
see also potentiometers; voltmeters
110 to 400 kV substations, earthing voltage meas. *(Finnish)* 2−17778
6522-based potentiometer digitiser charact. 2−9239
A/D and D/A convertors, 12- to 16-bit, indirect automated measurement using ATE system 2−19744
absolute electrometer for measuring voltages from 50 to 150 kV *(French)* 2−17033
batteries and cells monitoring, Mn-Zn and Hg-Zn 2−17065
bridge instrument, computation method *(Polish)* 2−17046
calibration of thermal voltage convertor, with BNC input connector 2−11571
capacitive measurement of high DC voltages 2−11567
closed loop system, depth of feedback, possibility of direct measurement *(Russian)* 2−3236
computerised polarography 2−22342
CRT cathode cutoff ratio measurement 2−24886
current and power calculations in ERZU-1 tube electrode systems in conducting medium 2−17571
DC, using digital electrometer *(German)* 2−17063
DC hybrid contact, method *(Polish)* 2−18394
DC millivoltmeter for voltage meas. in glass melting furnace 2−17042
DC voltage indicator, with longitudinal scale *(Spanish)* 2−11526
DC voltage reference standard, using Si diodes as transfer media 2−11327
determining single-phase earth fault currents in networks with insulated neutrals based on voltmeter measurements *(Russian)* 2−27587
distribution networks, MW, fault type, anal. and measurement *(Italian)* 2−27475
dynamic error analysis in voltge mean value convertors *(Polish)* 2−7177
dynamic measurement of the absolute voltage angle on long transmission lines 2−12319
effective average and RMS values meas. *(German)* 2−17068
electro-optical transmitters for HV and heavy current measuring appls. in electric power test laboratories *(French)* 2−17075
electro-optical transmitters for HV and heavy current measuring appls. in electric power test laboratories *(French)* 2−17076
electrochemical cycling of pasted antimonial lead electrodes (positives) 2−18411
electrometer preamplifier for measurement of voltage current and resistance on high resistivity materials 2−3206
floating potential measurement, isolation equipment from Tektronix 2−7171
graphitisation furnace, automatic control charact. *(Russian)* 2−28234
high impulse voltage recording by A/D convertor, advantages and errors *(French)* 2−17067
high reactance transformer, short circuit parameters anal. *(Polish)* 2−18302
high voltages meas. using voltage dividers *(French)* 2−17066
HV resistance dividers stacking 2−26926
HV transient measurement techniques 2−17785
IC testing using SEM, voltage resolution in isolated voltage contrast mode 2−11563
motor winding insulation failure, steep-fronted switching voltage transients meas. 2−27875
motor windings, interturn insulation stresses, steep-fronted switching voltage transients distribution tests 2−27876
negative-sequence voltages meas. independ. of harmonics using space phasors *(German)* 2−3803
outdoor plant contaminated insulator layer conductivity measurement *(German)* 2−27551
partial discharge and RFI simultaneous meas. 2−11611
Poggendorf and Lindeck-Rothe zero-load signal measurements methods *(German)* 2−7151
Poggendorf zero load signal measurement method *(German)* 2−7152
power supply ripple voltage meas. cct. 2−7173
power transformer surge voltage and test pulse meas. *(German)* 2−27971
programmable V/I stimulus and measurement module using FET switches 2−698
pulsed high current discharge ccts. 2−11568
railway contact network voltage monitoring during faults, use of transducer *(Russian)* 2−26816
ratio meas. system using ADC and DAC 2−11566
regulated motor-car train drives, potential-separating error detector for current and voltage measurement *(German)* 2−23719
resistors, DC effect on spuriously generated third harmonics 2−9241
RF voltage standards, use for calibration of precision voltage meas. devices 2−16769
RMS voltage meas. for signals with given crest factor and harmonic content 2−7176
SEM, errors in micropotential measurement 2−26925
semiconductor capacitance-voltage plotting and profiling, using vacuum operated Hg probe 2−5663

voltage measurement continued
semiconductor devices, V-I charcts. measurement method *(Russian)* 2−3237
semiconductor junction capacitance-voltage meas. techniques 2−25059
solar cell characteristics plotter with sample hold 2−7997
superconducting chopper amplifier, small voltage meas. *(Japanese)* 2−3238
synchronous high-speed oscillography of voltage and current for studying the release of energy in a vacuum spark discharges 2−11519
touch voltage meas. in null low-voltage network *(Croatian)* 2−22341
transient data acquisition, charcts. 2−26799
transistor parameters meas., unijunction, device with automatic meas. capability 2−7140
true RMS AC measurements 2−17064
voltage in-circuit indicator, fail-safe cct., using op-amp, LEDs 2−7175
voltage measuring transformer accuracy testing, electronic system *(Polish)* 2−7023
wideband synchronous detector of sinusoidal quadrature components 2−11565
Mg-MnO_2 cupric cells tests 2−18424
Nb-Nb_xO_y-Pb Josephson tunnel junction, structural anal., for voltage standard 2−5943
WSe_2/I^- solar cells photovoltage 2−18478

voltage multiplier rectifiers *see voltage multipliers*

voltage multipliers
see also potential transformers
IC power supply unit, construction details *(German)* 2−5108

voltage quadrupler rectifiers *see voltage multipliers*

voltage reference diodes *see avalanche diodes; Zener diodes*

voltage regulation *see voltage control*

voltage regulator diodes *see avalanche diodes; Zener diodes*

voltage regulators
see also voltage control
110 V/220 V dual mains range voltage regulated 12 V supply cct. *(Italian)* 2−19541
120 channel HV regulator, DATEP, for gamma detector photomultipliers 2−17310
active ICs used by East German railways *(German)* 2−20352
asynchronous drive with thyristor voltage regulator, design calc. 2−18638
ATM 80 process computer family, control units for power supply modules *(German)* 2−28032
with automatic overcurrent protection, charcts. *(Polish)* 2−711
bandgap-voltage reference, curvature-corrected 2−19550
basic voltage regulator circuit design 2−19531
bench power supply, using LM317K IC voltage regulator 2−683
biasdrivers, for high-speed logic and memory circuits 2−19549
calibrated DC power supply for linear IC *(Polish)* 2−13964
car battery operated power supply, using 7805 voltage regulator IC 2−19530
CMOS voltage regulator for battery-operated equipment *(German)* 2−24386
collector driven regulator, using bipolar transistors 2−13961
collector-driven regulator cct., using FET, Darlington transistors 2−8976
controlled transformer-thyristor AC voltage converters *(Russian)* 2−18317
DC regulator for magnetic meas. equipment 2−24399
developments 2−13944
digital, temperature stabilisation appl. 2−8975
dynamic, connected to o/p of a slow-response rectifier assembly, functional characteristics 2−720
dynamic characteristics correction by means of feedback ccts. 2−721
electric traction rolling stock electrical equipment post-war development *(Polish)* 2−28175
enhancement using pulse-width modulator 2−13940
floating mass stabilized voltage supply and sources *(Rumanian)* 2−690
hybrid fixed-voltage regulator, series module for 5 V, 20 A DC *(German)* 2−682
hybrid IC voltage regulator for automobiles 2−19538
IC, 723, stabilized 60V supply prod. by floating 2−5084
IC AN6510 and 723, applied solid-state and ICs, voltage stabilisation *(Japanese)* 2−5101
IC application, regulator controlled by zero voltage *(Italian)* 2−5086
increasing the effectiveness of ferroresonant voltage stabilisers *(Russian)* 2−12751
LM 396 10 A voltage regulator by National Semiconductors *(French)* 2−13968
low-power stabilizer for AC amplitude 2−5100
LV, with relative instability of 10^{-6} 2−702
mains adaptor, supplying 5-15 V DC, 350 mA, using 7805 IC voltage regulator 2−5080
mains voltage swing damping, using controllable parallel compensators *(German)* 2−17692
micropower voltage regulator using JFET as series pass element 2−13971
microprocessors, DC power supplies, regulation and protection 2−19548
MOOSE IC fabrication structure, using high power discrete transistors 2−5089
multiphase drive problems for U706D thyristor control equipment *(German)* 2−5107
NMR magnet regulator cct., search and lock regulation circuitry for accelerator bending magnets 2−11866
power factor controller, definition and appl. 2−28077
power supply voltage regulator trimming technique 2−24390
power-on detector for switching regulator/ 2−694
precision, high-stability, ±12 V 2−703
programmable power processor for high power spacecraft power systems 2−17514
pulse width modulators, control appls. 2−13943
reference information power supplies inc. voltage regulators 2−7521
single coil, (9-150) V, charcts. *(German)* 2−19534
solid state AC voltage controller for industrial loads 2−18404
stabilized DC power supply, using L 200 IC voltage regulators *(German)* 2−24392
stabilized pulse width modulated regulators with an autotransformer type connection of the inductance coils 2−24403
stacked voltage references for improving power supply's regulation performance 2−685
static DC drives, redesigned using analogue LSI 2−8986
superconducting magnet, high current, low voltage energiser 2−5971
switched mode regulator ccts. *(French)* 2−718
switching power supplies design 2−8965

voltage regulators continued
switching-mode regulators for stabilised power supplies in electronic systems 2−7926
symmetrical voltage source with overload protection *(Polish)* 2−13963
tachometric bridge dynamic correction in automatic compensators for constant voltage *(Bulgarian)* 2−26895
three-port voltage controlled voltage source structure, HF, design 2−691
TL783 adjustable regulator, 125 V differential 2−13937
transient protection for solid-state communications equipment 2−10765
transistor switching regulator starting and monitoring 2−695
two-loop regulator for beam energy stabilisation in FN tandem accelerator 2−11743
variable voltage regulators, parallel connection *(German)* 2−24387
VMOS technology, appls. 2−25232
voltage stabilizers *see voltage regulators*
voltage transformers *see potential transformers*
voltage transients *see transients*
voltammetry (chemical analysis)
see also polarography
acid Cu SO_4 plating baths with polyether-sulphide-based additives, cyclic voltammetric stripping analysis 2−4518
analytical chemistry, pulse voltammetric methods 2−11657
digital function generator, based on D/A converter, electrochemical appls. 2−16992
electrochemical cycling of pasted antimonial lead electrodes (positives) 2−18411
Mg-MnO_2 cupric cells tests 2−18424
voltmeters
see also digital voltmeters; potentiometers
DC millivoltmeter for voltage meas. in glass melting furnace 2−17042
DVMs and DMMs, market survey and general review 2−17007
expanded scale analog, constr. details 2−26886
hybrid representation of electrically measured DC voltages *(German)* 2−17034
LED, with adjustable characts. *(Dutch)* 2−26867
LF millivoltmeter, linear scale, frequencies up to MHz range *(German)* 2−7121
phase-angle voltameter meas. of noisy signals 2−11509
selective voltmeters, usefullness and appls. *(French)* 2−17036
solidstate voltmeter with op. amps *(Spanish)* 2−26888
volume compandors *see compandors*
volume control
No entries
volume control (gain) *see gain control*
volume diffusion *see diffusion in solids*
volume measurement
cell average volume, microcomputer interface for rapid meas. using an electronic particle counter 2−27119
vortex flow (superconductivity) *see flux flow*
vortex lattice pinning *see flux pinning*
vortex state (superconductivity) *see mixed state*
vortex structure (superconductivity) *see flux-line lattice*
VSA regulators *see rotating amplifiers*
VTR *see video tape recorders*
vulcanisation
continuous vulcanizing extrusion lines, programmable controller and appls. 2−28303
ethylene-propylene ethylidene norborene terpolymer vulcanised b y S, radiation resistance 2−20434
wages *see salaries and wages*
waiting line theory *see queueing theory*
Walsh functions
see also encoding; filtering and prediction theory; signal processing
adaptive discrete representation of messages, comparative anal. of informational efficiency of two algorithms *(Russian)* 2−21338
convertor testing using Walsh function 2−6400
digital convertor testing using Walsh transform techniques 2−19831
EEG intervals, spectral decomposition using Walsh and Fourier transforms 2−17383
EEG power spectrum, Walsh vs. Fourier estimators 2−11928
generation and applications, electronic ccts. 2−24443
image processing using MIS photodiode integrated devices *(Russian)* 2−10136
measurement data compression using orthogonal transforms *(Slovak)* 2−11309
microprocessor-based architecture for high speed data processing 2−15872
noise analysis of soft errors in combinatorial ccts. via Walsh transforms 2−14063
On Fourier series with respect to the Walsh-Kaczmarz system 2−8332
periodic signals, average Walsh power spectrum 2−15885
probability distribs., Walsh series expansion 2−13383
Reed Muller expansion-Walsh transform relationship 2−26112
telecommunication applications 2−15987
telemetry system appl. 2−10824
Walsh spectrum measurement in natural, dyadic, and sequency ordering 2−26110
Walsh-Hadamard transform, useful property of coefficients, comment 2−15899
warehouse automation
coded data aquisition equipment supplying information from conveyor belt to process computer *(German)* 2−16990
guided vehicle systems radio link 2−2716
undersea cables, automated handling system 2−21727
warning systems *see alarm systems*
waste disposal
see also radioactive waste
50 incinerator power station Pinellas County in Florida/USA, waste utilisation conditions and plant technical characts. *(German)* 2−12410
coal mining, transportation and associated cost trends 2−17818
coal-fired power plant wastewater reuse requirements and guidelines 2−23137
cogeneration boiler design for bark and waste wood combustion 2−23130
component removal in radioactive areas with minimum operator exposure *(German)* 2−12370
damaged radioactive components disposal *(German)* 2−12401
dealing with operational power station wastes 2−12385
waste disposal continued
Detroit Edison power plant wastewater treatment systems, startup and operating experiences 2−23135
electronic components plant, waste treatment, case study 2−8219
energy generation from thermal processing of municipal solid waste in US 2−12422
fly ash hopper evacuation system design and operation 2−18009
flyash from coal-fired powerplants 2−23853
industrial experience in bituminisation of reprocessing waste 2−17892
long term dry storage of irradiated oxide fuel and vitrified waste 2−12383
low-level radioactive waste treatment by volume reduction 2−12338
LWR nuclear plant shut-down costs *(German)* 2−12397
marine pollution evaluation, biological conc. *(Japanese)* 2−17582
municipal refuse-burning power plant technology and economics 2−23133
natural draught centralized dry store for irradiated fuel and active waste 2−23048
new concept for the packaging and disposal of intermediate level waste 2−12384
nuclear facilities decommissioning problems survey *(German)* 2−7616
nuclear facilities total decommissioning *(German)* 2−7618
nuclear plant decontamination methods review 2−3854
nuclear plant decontamination methods review 2−7635
nuclear power plants, radioactive waste, repository site selection *(Czech)* 2−7354
nuclear power plants decommissioning, legal problems and licensing procedure *(German)* 2−7617
nuclear power plants decommissioning waste disposal *(German)* 2−7621
nuclear power stations, safe enclosure in decommissioning *(German)* 2−7646
nuclear power stations with PWRs, fuel elements preparation and waste disposal *(Czech)* 2−27620
operational waste materials and abandoned waste from nuclear power stations, storage in Konrad Fe mines *(German)* 2−12367
power plant coal fly ash disposal environmental impact assessment 2−12424
Princeton Energy Recycling Centre, equipment for waste treatment and electric energy generation 2−12489
PWR, low and medium level waste treatment plant in Belgium 2−12386
PWR nuclear power plant total removal, flow chart concept *(German)* 2−3885
PWR station nonradioactive wastewater wastewater treatment design and operation 2−23031
radioactive, back end fuel cycle, provisions in West Germany, trade unions' view *(German)* 2−17831
radioactive, back end fuel cycle technologies development in West Germany *(German)* 2−17829
radioactive, experimenting with concrete solidification 2−17893
radioactive, social and technical aspects, German Federal Republic developments *(German)* 2−17830
radioactive waste management, IAEA's activities 2−17847
radioactive waste systems design criteria requiring modification 2−17875
regulation of utility waste disposal practices, USA 2−27599
sewage sludge incineration at the Cleveland Southerly Wastewater Treatment Center 2−18836
sewage treatment plant using generated CH_4 gas for electricity supply generation 2−28311
solid waste fuel and coal combinations, combustion processes and effects 2−23001
solid waste-to-energy plants for small communities, economic anal. 2−12490
spent reactor fuel, transportation containers, safety studies *(Polish)* 2−8232
steam power plant burning refuse for power generation 2−27680
steel drum containers survey for radioactive waste *(Japanese)* 2−7627
Swiss nuclear power station, weak radioactive waste solidification and intermediate storage *(German)* 2−12366
Three Mile Island nuclear station recovery−progress report, USA 2−12358
utility waste disposal, potential impact on environment 2−27674
Waste Isolation Pilot Plant facility design, safety and environmental assessments 2−17876
waste materials recycling and energy *(Croatian)* 2−23000
wastewater management programme design as moving-target exercise 2−23136
wet ash disposal facility design for environmental acceptability and structural integrity 2−18022
water boilers *see boilers*
water conditioning *see water treatment*
water cooling towers *see cooling towers*
water pollution
see also water pollution detection and control
Freeport, Texas, coastal waters, negatively buoyant plume anal. 2−17569
marine pollution evaluation, biological conc. *(Japanese)* 2−17582
metal finishing industry pollution control program 2−22745
water pollution detection and control
see also water treatment
actinide nuclides meas. in water samples from nuclear power plant primary cct. 2−12090
brine outputs, salinity level remote monitoring and communication of telemetry data 2−10821
chemical wastes storage, fluid-flow monitoring using EM probing 2−7440
chlorophyll a, laser-induced Raman backscatter and fluorescence 2−7439
coal-fired power plant wastewater reuse requirements and guidelines 2−23137
continuous analytical monitoring instrumentation, waste treatment appls., Ca precipitation elimination 2−3634
Detroit Edison power plant wastewater treatment systems, startup and operating experiences 2−23135
fluorophores in surface waters, laser fluorosensor meas. 2−3632
industrial pollution control by ultrafiltration of wastewater 2−27298
industrial water analysis using electrochemical on-line sensors 2−11450
PC plating shops, pollution control and resource recovery 2−5447
PCB etching, electrolytic regeneration of etching solns. 2−14449
PCB etching using alkali and acidic etchants, waste rinse water management and recycling 2−14484
PCB manufacture, electroless Cu plating, water pollution minimisation 2−14480
protection measures against air and water pollution at Swiss PTT, quantitative and qualitative measurements *(German French)* 2−12091

water pollution detection and control continued
purity measurement by electric resistance and capacitance measurements for pollution control *(German)* 2—22747
PWR station nonradioactive wastewater wastewater treatment design and operation 2—23031
sampling system, programmable, swimming 2—17587
seawater, radionuclides simultaneous determ. by hydroxide precip. 2—7448
slick detection by radar scattering *(Russian)* 2—7442
steam power plant waste treatment methods meeting zero liquid discharge requirements 2—23138
utility waste disposal, potential impact on environment 2—27674
wastewater management programme design as moving-target exercise 2—23136
NH_3 determination as waste water and control using automatic anal. apparatus *(German)* 2—17580

water purification *see water treatment*

water supply
see also dams
100 kWel/500 kWth solar farm type power station in Kuwait, multipurpose project 2—7776
analysis of solar powered electric water pumps/ 2—23204
coal-fired power plant wastewater reuse requirements and guidelines 2—23137
electricity generation from waste energy in water works *(Norwegian)* 2—3815
feasibility of electricity generation from wind and solar energy *(French)* 2—12543
generating sets for power and water supply in Sudanese desert 2—8128
Haltern water supply works electrification for greater capacity and efficiency improvements *(German)* 2—23847
micropump, solar product optimisation 2—23636
modernisation of the guide bearings of the turbines in the Chirchik hydroelectric cascade, USSR *(Russian)* 2—23162
photovoltaic water pumping with reciprocating volumetric pumps 2—23635
plants and networks, MELFEX series, telemetering and centralised supervisory control systems, Mitsubishi Electric product 2—23849
supervisory control of raw water supplies for ESCOM's power stations in the Eastern Transvaal 2—3939
wet/dry cooling tower tests for water conservation 2—23074
H_2 storage, biomass, solar energy system for agriculture, drinking water and hydroelectric power 2—18058

water treatment
see also desalination
400 MW single reheat coal-fired units, wastewater treatment system design 2—3920
AGR, implications for condensate purification of operation at pH 9.6 2—7669
aqueous processes for wave soldering/cleaning in electronic assembly, effluent treatment 2—13285
biological water treatment plant instrumentation and automation 2—8131
boiler, choice of the filtering attachment of electromagnetic filters 2—12479
coal-fired power plant wastewater reuse requirements and guidelines 2—23137
concentrating solar panels design and application to electric/thermal energy conversion *(German)* 2—18075
continuous analytical monitoring instrumentation, waste treatment appls., Ca precipitation elimination 2—3634
data logging in small wastewater treatment facility 2—11400
Detroit Edison power plant wastewater treatment systems, startup and operating experiences 2—23135
energy cost savings 2—13131
filter cake automated moisture measurement 2—11672
industrial water analysis using electrochemical on-line sensors 2—11450
ion exchanger recirculation plants operational control, cross switching and comparison meas. *(German)* 2—17164
nuclear steam generators, system chemistry consideration 2—7668
PCB etching using alkali and acidic etchants, waste rinse water management and recycling 2—14484
PCB manufacture, complex formers and appls., effluent water treatment for separation of metal precipitates 2—14486
PCB manufacture, etching/electrometallization processes, water and waste water treatment, ion exchangers and reverse osmosis 2—14485
pollution aspects at Swiss PTT, protection measures, corrosion problems, quantitative and qualitative measurements *(German French)* 2—12091
power generating system utilizing sludge digestion gas 2—12567
power plant, integrated water supply/wastewater treatment system 2—3916
power plant wastewater treatment, programmable controller appls. 2—17969
PWR station nonradioactive wastewater wastewater treatment design and operation 2—23031
recovery from photographic process ECP-2 washwaters by ion-exchange methods 2—13130
seawater, radionuclides simultaneous determ. by hydroxide precip. 2—7448
semiconductor grade deionised water production system 2—23848
sewage sludge incineration at the Cleveland Southerly Wastewater Treatment Center 2—18836
sewage treatment plant using generated CH_4 gas for electricity supply generation 2—28311
solids concentration and flow meas. of slurries and sludges using US sensors 2—11668
solids concentration and flow meas. of slurries and sludges using US sensors, velocity meas. 2—11669
Soviet nuclear power stations using RBMK-1000 reactors, improved water treatment system 2—17856
steam boilers supply water EM filtering *(Rumanian)* 2—12461
steam power plant waste treatment methods meeting zero liquid discharge requirements 2—23138
supercritical boilers using ammonia-hydrazine water treatment, formation of magnetite in feedwater circuits 2—17995
TMI-2 cooldown and cleanup 2—17870
treatment of sewage plant effluent for use as makeup water 2—3812
waste water treatment of sulphite spent liquor, modelling and production control of utilisation system 2—8130
wastewater management programme design as moving-target exercise 2—23136

watthour meters
see also power measurement
adjustable, under test in Stockholm *(Swedish)* 2—22964
BF series single-phase two-wire system, Mitsubishi Electric product 2—22967
digital, circuit diagram and operation *(German)* 2—26871
electricity meter stock central administration and organisation using electronic data processing *(German)* 2—4592
electricity meters calibration range validity extension using random-test-method, experience from user point of view *(German)* 2—3181
electricity meters calibration validity range extension using the random test method *(German)* 2—3180
electronic electricity meters operational safety, survey evaluation results *(German)* 2—3182
induction watthour meter performance on rectifier/inverter circuits 2—12318
maximum-demand meters setting-up, appl., accuracy, and testing *(Croatian)* 2—27371
MH series three-phase four-wire system, Mitsubishi Electric product 2—22967
microcomputer based system for metering, controlling and reducing electric power consumption *(Norwegian)* 2—27586
standardisation, special invoicing rates incorporation *(German)* 2—12317

wattless power *see reactive power*

wattmeters
see also power measurement; volt-ampere meters
AF average/peak power wattmeter, using ICs, LEDs *(Spanish)* 2—26887
errors evaluation, for wattmeters sampling at regular intervals 2—22312
metrological charact. checking against standard reference steel samples 2—17027
power consumption metering, inductive energy meter, current with nonsinusoidal waveform *(Russian)* 2—7586
power factor standard using digital waveform generation 2—12320
thermoelectric microwave watt-meter, component errors, method of multiplicative correction *(Russian)* 2—26889
three phase power meas., accuracy 2—3807

wave analysers
see also spectral analysers; transient analysers
Data 6000 waveform analyser 2—3101
DL Micro 4, digital signal analysis and waveform processor 2—16779
grounding and interconnections design guidelines 2—26706

wave digital filters
CAA 2—9153
derivation, noise props. and implementations *(Czech)* 2—19804
hardware structure based on doubly-terminated distributed filter prototype 2—14224
IIR filter, standard architectures, CAD and anal. 2—24613
modular hardware implementation using unit element filters and ladder filters 2—847
multiport, time domain anal. using multi-wire line model *(Japanese)* 2—9157
multistage wave digital filter transmultiplexer realisation 2—6681
SAW IDT filters design, errors due to diffraction compensation 2—5880
sensitivity in terms of reference filter sensitivity 2—19796
theory and design *(German)* 2—19807
transmission lines, elimination of fast rate-of-rise pulses *(Italian)* 2—9156
transmultiplexer simulation and testing 2—6680

wave equations
see also Schrodinger equation
EM wave scatt. by inhomogeneous fixed obstacles, theoretical study 2—2107
Euler-Poisson-Darboux equations in Riemannian space *(Russian)* 2—13746
relativistic and nonlinear radiation interaction/ between laser beams and plasmas 2—2156
scalar wave equation modal solns. for graded index media 2—10510
semi-linear wave equations with periodic-Dirichlet boundary conditions, conservative systems 2—8413
wave properties of quadratic operator bundles 2—10540

wave power generation
alternative sources of power 2—22976
comparison of wave power electricity generation systems by model experiments 2—27806
convertors, Lancaster flexible bag, research progress 2—12536
efficiency, starting torque and prevention of run-away with Wells self-rectifying turbines 2—23175
energy convertor using rotary actuator pumps 2—27804
engineering development of the Lancaster Flexible Bag, United Kingdom 2—27805
extreme wave forces on submerged cylinders 2—23173
floating bodies and wave power extraction, theory *(Japanese)* 2—3966
fluid transmission system for wave energy converters 2—23170
hinged wave energy convertor with two platforms, tank tests 2—3967
hydrodynamic aspects, review 2—18059
hydrodynamical model of the Lancaster flexible bag wave energy device 2—23172
integration into large systems 2—18060
maintenance and repair requirements 2—23171
model experiment with a phase-controlled point absorber 2—23174
models of wave energy transformation near a coast 2—27807
new research facility to study energy generation from sea waves 2—7767
options for power transmission to shore from the Bristol cylinder 2—23178
PORPISE, the buckling resonant raft 2—27808
probe for ocean wave height meas. using capacitance change 2—22727
progress towards a submerged oscillating water column device 2—27809
second international symposium on wave and tidal energy, Cambridge, England (1981) 2—18871
ships, wave power for propulsion 2—28190
some hydrodynamic characteristics of the Bristol Cylinder 2—23177
spatial distribution of wave power on the western UK coast 2—23169
use of the air turbine as a power take off mechanism in wave energy converters 2—23176
wave energy studies at the UK National Engineering Laboratory 2—23179

wave propagation
see also acoustic wave propagation; electromagnetic wave propagation
differential equation finite difference equations 2—13770
dual time scales in a wave problem governed by coupled nonlinear equations 2—13797

wave propagation continued
linear wave propag. in homogeneous and inhomogeneous media, dispersion relations 2−15677
quasimonochromatic outgoing radiation pulse reflection by random surface, diffractal echoes 2−10459
scattering problem partial differential equations finite element solution 2−13769
statistically rough suface, width of wave reflection pattern 2−15682
three wave interaction, diffr. and dispersion effects 2−21176
wave scattering *see scattering*
waveform analysis
see also spectral analysis
control of shunt compensation with reference to new design concepts 2−12289
digitising of photodetector signals in pulsed laser expts. 2−11425
electromagnetic, time-domain calibration techniques 2−11561
glitch detection in waveform recorder 2−3178
oscilloscope with digital waveform processing, microprocessor-based 2−17037
pulse standards, IEEE/IEC 2−11326
superposed filtered renewal process, waveform estimation 2−21358
wavefront-reconstruction imaging *see holography*
waveguide antennas
circular, field distribution and radiation field of finite axial slots 2−2193
circular waveguide broadband horn antenna with low sidelobes, GTD anal. and expt. tests 2−10575
circularly polarized linear array antenna using a dielectric image line 2−2210
conical corrugated horns with wide flare-angle, low cross-polar radiation patterns 2−26053
dielectric, effect of placing metal walls in close proximity 2−2209
dielectric tapered rod antennas for millimeter-wave applications 2−21223
dielectric-lined conical horn antennas with low cross polarization, aperture efficiency 2−26054
directive polymer rectangular antennas for X-band high gain work 2−2211
EDA-type antennas with structural connection of horn to secondary reflector, support systems for reflector 2−10586
European Remote Sensing Satellite, slotted waveguide array antenna 2−6368
finite antenna arrays design 2−2219
microstrip, broadbanding using tuning varactor diodes 2−10589
microstrip, flat short-circuited of one wavelength width, acting at quarter-wave resonance 2−14277
microwave radio system antennas, bird-proof feed-horn windows 2−2225
MM-wave dielectric grating antennas, finite width waveguides, radiation props. 2−26057
multibeam reflector antenna anal., waveguide antenna feed element radiation patterns 2−10574
open-ended small radiating coaxial antenna probes in lossy media, energy absorption 2−10576
planar waveguide-fed slot arrays, optimum sum and difference patterns 2−26059
reactance-loaded waveguide antenna arrays, H-plane arrays with subreflectors 2−15792
rectangular horn arrays with oversized aperture elements, 14 Ghz, blind spots 2−10591
slotted waveguide antenna near field measurements, using holography 2−26048
split coaxial balun, radiated power freq. characteristics from pair of slots *(Japanese)* 2−15760
two-mode in-phase conical horn with fine dielec. tube, exciter design 2−10585
wide-angle horn for 4-GHz and 6-GHz bands, VSWR charact., cross-polar sidelobes <-22 dB 2−2208
wideband H-plane sectoral horn antenna with const. beamwidth 2−26055
Wiener-Hopf solution for the radiation from a cylindrical truncated waveguide with anisotropic boundary conditions on the walls 2−21177
waveguide attenuators
electrically controlled attenuator based on a Y-circulator *(Russian)* 2−24666
remote control microwave attenuator with pulsed variable damping *(Russian)* 2−24667
SHF-attenuator constructed from two longitudinally distributed p-i-n structures 2−932
waveguide components
see also circulators (microwave); directional couplers; optical waveguide components; strip line components; waveguide attenuators; waveguide couplers
63-W W-band injection-locked pulsed solid-state transmitter using IMPATT power combiners 2−26527
asymmetric filter design for satellite communication applications 2−26489
cavity power combiners using Si IMPATT diodes, high pulsed power appls. at 140 GHz 2−5344
circular waveguide high-power extracted pole quadruplexer for satellite TV direct broadcast 2−26488
differential PSK demodulators, low-loss delay filter 2−14288
digital ferrite phase shifter, influence on differential phase shift of waveguide narrowing 2−24652
dual mode filter design, initial synthesis, realisation, test results 2−24689
filter delay element for direct differentially coherent four-phase PSK demodulation 2−24461
filters, asymmetric synthesis, attenuation pole placement on one side of passband, waveguide filter appls. 2−24671
filters, conf., London, England (Jan. 1982) 2−23898
fin-line detectors, modulators, and switches, CAD 2−24449
gyromagnetic-dielectric waveguide, first order Bragg interaction 2−6356
H-plane power divider, extension of working bandwidth 2−14290
H-plane turn with matching cuts calc., using semi-rotation method 2−2181
hybrid power divider/combiner circuit, planar broadband 180 degrees 2−9210
IMPATT diode power combining arrays, radial-symmetric N-way TEM-line 2−24701
magnetic components for microwaves and optics, review 2−14295
Marchand balun, fourth order, graphs of circuit elements 2−927
metal-dielectric stepped transformer for dielectric-filled waveguide, anal. of charact. 2−14293
microwave band-pass resonator filter config. with inhomogeneous dielectric loading 2−24683
waveguide components continued
microwave power transmission components for solar power satellite, review 2−24656
microwave TM_{010} mode cavity, tunable, construction details 2−19848
MM and near-MM component design employing magnetoplasmons 2−922
MM-wave passive components and six-port network analyser in dielectric waveguide 2−924
MM-wave quasi-optical power combiner using open resonators 2−24687
MM-waveguide non-contacting backshorts for impedance matching, theory and design 2−24675
multiplexers, four-channel suspended substrate struct., K_a-band 2−5345
nonradiative dielectric waveguide circuit components 2−19856
odd-degree pseudoelliptical phase-equalized waveguide filter, asymmetric band-pass behaviour 2−24672
p-i-n diode, type 2A 518A, matched using diaphragm set up in waveguide channel *(Russian)* 2−24705
periodic branching filter for MIC's, appl. of rectangular dielectric waveguides 2−925
pulsed microwave signal freq. shifting using Gunn diode in waveguide resonator 2−14292
quasi-optical phase shifters of frequency at submillimeter wavelengths 2−14294
rectangular waveguide resonator calc., used as absorption cell in radio spectroscope 2−929
resonant stop in rectangular waveguide H_{10} wave diffraction 2−928
short MM-wavelength multiplexers, quasi-optical circuit technology 2−921
TE_{11} to HE_{11} corrugated cylindrical waveguide mode convertors, anal. and design 2−5338
travelling-wave device, laser induced, for generating MM waves 2−9227
tunable low reflection sliding load termination in WG11A waveguide 2−24654
upconvertor using excited Gunn diode operating in domain suppressing mode 2−14291
wide scan quasi-optical frequency diplexer for antenna appls. 2−19846
Si MM-wave IMPATT sources and combiners for 110 to 260 GHz range 2−24699
YIG rod and sphere ferrite limiter, coupled dielec. resonator bandpass struct. 2−24680
YIG tunable microwave filters, coupled spin wave technique 2−24679
waveguide connectors *see waveguide couplers*
waveguide couplers
see also directional couplers; optical couplers
3 dB fin line printed probe coupler for 31 GHz 2−19844
3dB Large coupler design, microwave ICs appl. 2−5341
directional coupler in the waveguide channel of a continuously operated microtron 2−9212
directional coupler in the waveguide channel of a continuously operated microtron 2−14285
interdigitated microstrip couplers calculated and measured parameters anal. 2−935
multistrip coupler, modified, surface acoustic waves to line acoustic waves mode conversion 2−5881
N-port microwave junction automatic meas., using six-port technique 2−11604
quasi-optical ring resonator diplexers, theory and experiment 2−19858
quasiplanar 3 dB hybrid fin line coupler for MM wave ICs 2−24653
semiconductor-loaded waveguide four-port junction based on Hall effect, theory operation 2−24681
slot coupled rectangular bar geometry and filter appls. 2−24684
spectral analyser convertor with field replaceable diodes, 50 kHz to 21 GHz 2−16910
stub coupling elements with electrically controlled transient attenuation 2−19851
symmetrical waveguide Y-junctions and 120° bends, transmission properties 2−10536
T-junction, permittivity of liquid materials microwave reflectioni meas. 2−11589
waveguide joints *see waveguide couplers*
waveguide junctions *see waveguide couplers*
waveguide theory
see also guided electromagnetic wave propagation; optical waveguide theory
acoustic, trapped mode resonances rel. to open volume quasimode excitation 2−10543
anisotropic dielec. rectangular waveguides, guided modes anal. 2−21189
asymptotic HF modes of homogeneous waveguide structures with impedance boundaries 2−6353
caustic overlap in surface waveguides and generalisation of ray method 2−2177
cavity resonators and dielectric rod effect on reson. freq., anal. *(German)* 2−10539
coupled microstrip lines on ϵ- and μ-gyrotropic substrates, EM field anal. 2−26027
coupled microstrip transmission lines, loaded with homogeneous dielectric, phase and energy characteristics 2−10542
coupled microstrip transmission lines, normal mode parameters calc., Green's function appl. 2−26029
coupled mode equation described with local normal modes 2−21188
coupled slots on an anisotropic sapphire substrate 2−6350
cylindrical waveguide filled with ionized gas moving at const. velocity, EM field 2−2178
dichroic plate thickness, influence on polarisation of transmitted electromagnetic waves 2−15755
dielectric filled waveguide, quasiperiodic medium, EM filtering 2−21187
dielectric slab waveguide, with non-uniform deterministic index profile, field distrib. using Fredholm's perturbation method 2−15752
dielectric slab waveguide bounded by parallel plates, finite element anal. of discontinuities 2−26015
dielectric waveguides, scattering of surface waves on transverse discontinuities 2−21178
dielectric-ferrite layer waveguide periodically loaded with metal strips, anal. 2−26028
diffraction and focal expansion in flanged circular waveguide *(Russian)* 2−21173
E-plane step-diaphragm junction discontinuities, singular integral eqn. soln. 2−26016
eddy currents in cylindrical shell, field distribution due to axial currents 2−21030

waveguide theory continued
electron beam filled guided wave system, orthogonality relation for the modes 2−25905
EM and magnetostatic waves, variational method of waveguide struct. calcs. 2−15756
first-order Bragg intractions in a gyromagnetic-dielectric waveguide 2−6356
flanged circular waveguide, radiating through small aperture into absorbing med., reflection anal. 2−2173
flat, semi-infinite dielec. waveguide, end diffr. of surface EM wave 2−21184
flat dielectric waveguide with corrugated boundary, cross sectional eqns. soln. 2−21183
grounded dielectric slab, eqns. for nearfield of horizontal electric dipole 2−21174
gyrotron open resonator design, using weakly irregular waveguide theory 2−14575
H-plane turn with matching cuts calc., using semi-rotation method 2−2181
inductive rod in uniformly bent waveguide, analysis 2−10544
inhomogeneous medium 2−26020
iris-loaded waveguides, solution of microwave boundary value problems by least squares methods 2−15753
layered gyrotropic waveguiding structures, nonreciprocal properties 2−21181
magnetic waves in waveguides with a simply-connected cross-section of complex shape 2−21186
microstrip discontinuities, equiv. ccts. for MIC design *(Polish)* 2−2174
microstrip lines, on transversely magnetised ferrite substrate, approx. of harmonic functions 2−14281
microstrip lossy wave problems, Bessel function approx. 2−171
microwave power, basic mathematical relations *(Polish)* 2−21190
microwave pulse dispersion, distortion calcs. 2−21185
MM-wave rectangular dielectric waveguides, EM modes, computer anal. 2−21191
modal expansion in a waveguide, contribution of the ψ=constant mode 2−2176
multilayer gyrotropic structures with dissipative losses, Ritz calc. 2−2179
multimode waveguides, spatial coherence and spatial oscill. in optical field intensity 2−25906
open resonators, microwave network theory *(Chinese)* 2−915
open resonators in form of waveguide with slowly varying cross sections 2−19859
open waveguides with anisotropic dielectrics, EM wave propag. 2−21180
open wide microstrip lines, asymptotic eigenequations and analytic formulas for dispersion characts. 2−911
open-ended waveguide with beam equalizer, spectral domain analysis 2−21171
parallel-plate waveguides, modal field transmission 2−21170
parametric frequency up-conversion of electromagnetic waves in bounded electron beams 2−26026
phase-stable TWT, operating eqn. derivation based on waveguide theory *(Russian)* 2−24875
planar waveguides, analysis of dispersion characts., and appls. to microstrips with tuning septums 2−21179
plasma-filled nonhomogeneous waveguide, low-density beam instability, theory 2−2182
profiled E-plane tapers and horns, mode conversion 2−15797
radiation from flanged waveguide: comparison of solutions 2−21172
rectangular waveguide, loaded with semiconducting post, microwave elec. field distrib., integral equation method 2−10541
resonance scattering of EM modes, in waveguides with periodic irregularities 2−2180
ring waveguide in container filled with anisotropic magneto-dielectric, EM wave spectrum *(Russian)* 2−26021
S-parameter characterisation of coaxial to microstrip transition 2−21175
shielded microstrip ccts., open-end discontinuity 2−5334
shielded microstrip on anisotropic substrate, characteristics *(Spanish)* 2−15754
singularity of field, influence on solution of diffraction problems 2−26025
squintless feed array, theoretical analysis 2−26018
surface waves and their relation to the eigenfrequencies of a circular-cylindrical cavity 2−6352
suspended slot line using double layer dielectric 2−6355
symmetrical waveguide Y-junctions and 120° bends, transmission properties 2−10536
TE_{11} to HE_{11} corrugated cylindrical waveguide mode convertors, anal. and design 2−5338
TEM multi-conductor systems with circular cylindrical conductor geometry, line parameter matrices *(German)* 2−26019
three wave interaction, diffr. and dispersion effects 2−21176
toroidal resonators and waveguides of arbitrary cross section 2−6351
transmission line singularities, boundary integral eqn. anal. 2−9206
transmission-line matrix method with irregularly graded space 2−15749
two-dimensional planar microwave ccts., desegmentation method for anal. 2−6354
two-layer screened waveguide of circular cross-section, wave numbers of complex waves 2−10545
unbalanced stripline, current distrib. of fund. and higher modes of normal waves using Galerkin's method 2−21182
wave properties of quadratic operator bundles 2−10540
Wiener-Hopf solution for the radiation from a cylindrical truncated waveguide with anisotropic boundary conditions on the walls 2−21177

waveguides
see also acoustic waveguides; circular waveguides; dielectric-loaded waveguides; dielectric waveguides; fin lines; optical waveguides; plasma filled waveguides; rectangular waveguides
arbitrary cross section shape, guided modes anal. method 2−19840
coplanar cross-tie slow-wave waveguide on semi-insulating GaAs substrates 2−19834
coplanar waveguides with finite conductor thickness, computation and meas. of characts. impedance 2−9207
iris-loaded waveguides, solution of microwave boundary value problems by least squares methods 2−15753
metallised polyester materials, for waveguide construction *(Russian)* 2−24646
microwave '81, conf., Amsterdam, Netherlands (Sept. 1981) 2−23888
microwave power feeding for magnetic fusion devices, multipactor in the Brambilla Grill 2−24865

waveguides continued
microwave reflection coeff., meas. by quasi-optical meter *(Russian)* 2−26950
MM-wave transmission lines, comparative study 2−19841
node conversion determination in profiled E-plane tapers and horns 2−15797
peniotron, nonlinear analytic theory 2−1117
planar, analysis of dispersion characts., and appl. to microstrips with tuning septums 2−21179
slot line wavelength and dispersion measurements, using slot ring resonator 2−17111
slotted waveguide communication systems *(German)* 2−21751
superconducting Vivaldi antenna/fin-line cct. for supercond.-insulator-supercond. mixers 2−21235
suspended slot line using double layer dielectric, anal. 2−6355

wavemeters
see also frequency meters
Fabry-Perot wavemeter, computer controlled 2−17146
Lambda metre resolution enhancement using novel freq. metre 2−11647
multiple-wedge wavemeter for pulsed lasers 2−20923

waves
see also elastic waves; electromagnetic waves; gravitational waves; gravity waves; magnetohydrodynamic waves; magnetostatic waves; ocean waves; oscillations; plasma waves; spin waves; surface waves (fluid); wave propagation
water waves diffraction/ around cylindrical obstacles/ 2−172

waxing *see polishing*

weak ferromagnetism
see also canted spin arrangements; Morin temperature
No entries

weapons
NAVAIR EM environmental effects and control system 2−21151
worldwide monitoring system against proliferation of nuclear weapons 2−3844

wear
see also abrasion; hardness
electrical contacts, reliability model and method of estimation of durability *(German)* 2−5395
gas turbines operating on pressurised fluidised-bed combustion flue gas, behaviour prediction 2−27768
gear operating in water, inspection 2−19006
HTGR, steam generator materials performance 2−7664
metal coating for electrical contacts, tribology 2−19912
O-ring wear test machine 2−648
rail wear and service life determ. from material, form and operational data *(German)* 2−7206
scale exfoliation in boiler superheater and reheater tubes, laboratory test programme 2−12486
steam power plant surface condensers, EPRI funded research projects in 1981 2−27744
steam turbine components, service life determ. and evaluation 2−27695
steel, Cr-Mo, LMFBR steam generator materials experience 2−7677
tool flank wear, in process measurement using fibre optic sensor *(Italian)* 2−25476
Ni-Co thin film magnetic recording disc, head/disc interface wear, impact deformation obs. 2−20502
Si, influence of O_2 on wear 2−5701

wear, abrasive *see abrasion*

wear resistant coatings
metal coating for electrical contacts, tribology 2−19912

weather *see meteorology*

weighers *see balances*

weighing
automatic fragment-weighing apparatus, electromechanical system, use in explosive testing of materials, development 2−7024
bulk materials transportation and weighing technology *(Hungarian)* 2−22411
car police system 2−3287
computer-based vibrating string weighcells *(German)* 2−11641
deadweight stndardising machine, PW-MO 500 kN *(Polish)* 2−11323
digital weighing machines, trends 2−7223
electromagnetically compensating weighing cell *(German)* 2−11477
electronic, polypropylene production appl. *(Hungarian)* 2−22409
electronic and microcomputer systems in industry, agriculture, commerce and medicine *(Hungarian)* 2−22402
electronic batch weigher for ropeway bucket conveyor, mining appl. 2−3049
electronic conveyor belt weigher, errors in tachometer generator, materials handling appl. 2−26972
electronic counting scales, microprocessor appls. 2−26737
electronic load cells, for bulk materials quantities meas. 2−3286
electronic weighbridges, construction, problems and appls. 2−11635
electronic weighing systems, standards and enforcement in Hungary *(Hungarian)* 2−22410
fast measuring with microcomputers for on-line-weighing 2−22414
industrial scales design, user aspects *(Hungarian)* 2−22403
industrial weighing, computer control 2−7224
legislation of weights and measures in trade 2−22412
measurement errors anal. *(German)* 2−11640
microprocessor appls., to weighing of manufactured goods *(German)* 2−16800
microprocessor system TENSIMIK and fodder mixing appl. *(Hungarian)* 2−22405
microprocessor weighing system TENSIMIK, A/D convertor *(Hungarian)* 2−22408
microprocessor-based, characts. 2−11639
MOBILWAAGE, a portable and mobile weighbridge for rail vehicles *(German)* 2−23713
pin-type weighing cells, plate and deck plate scales *(Hungarian)* 2−22407
rolling freight trains load monitoring control station *(German)* 2−23711
standardisation and legislation impact on production and quality control 2−22413
standardisation in Europe 2−8191
strain gauges, electrical load cells and weighing cells *(Hungarian)* 2−22406
technology, colloquium, Szeged, Hungary (Sept. 1981) *(Hungarian)* 2−18852

weighing continued
TENSIMIK microprocessor weighing system, hardware and software *(Hungarian)* 2−22404
weighscale for dusty, powder materials *(Russian)* 2−26826
weighing machines *see balances*
weight control
car police system 2−3287
computer-based vibrating string weighcells *(German)* 2−11641
electromagnetically compensating weighing cell *(German)* 2−11477
weighscale for dusty, powder materials *(Russian)* 2−26826
weight indicators *see balances*
weight measurement *see weighing*
weightlessness experiments *see zero gravity experiments*
Weissenberg cameras *see cameras; X-ray crystallography apparatus*
welding
see also electric welding; electron beam welding; laser beam welding; lead bonding; ultrasonic welding
automated component manufacture at British Steel 2−4526
HF welding equipment for automotive radiator brass tube production 2−28289
high frequency, controlled rectifier bridge circuits for automatic regulation 2−28279
industrial robot applications, advances 2−23827
industrial robots applications 2−23831
inventions, bibliography 2−28297
microprocessor-based robot programming *(German)* 2−4515
multilayer welded pipes, magnetographic inspection 2−23804
seam nonuniformity detection using holographic matched filtering and electronic processing 2−14535
silver-containing contacts with a copper sublayer and a method of their welding *(Russian)* 2−24757
solar cells and solar cell welds, scanning laser acoustic microscope examination 2−18582
steam/gas turbine welded rotors construction and manufacture 2−27693
steel, austenitic stainless, N strengthened, props., for cryogenic magnet structs. 2−8840
steel, austenitic stainless, welds, US eval. using shear horizontal waves 2−19469
steel, stainless, weld overlay, H-induced cracking in heat-affected zone of steam generator forging 2−7672
steel cans, weld signature US verification, report 2−27323
visual inspection of welding using X-ray photography 2−19480
weld defects inspection, automatic data recording and processing system 2−23020
welded structure deformations, acoustic sensing elements 2−7457
Ti tubed condensers with welded tubeplate joints 2−23122
welding electrodes
arc welded joint dimensions and properties, welding with strip and wire electrodes, effects 2−28293
coated electrodes in arc welding, users' needs 2−28302
welding gas main pipes with low-alloy wire electrode, weld impact strength 2−23802
welding equipment
application of microcomputers in automated arc welding systems 2−18807
arc welding, fast response 300 A DC transistor current regulator 2−18816
automatic spot welding equipment for small component manufacture 2−28299
cascade power source for electron-beam apparatus for precision welding 2−28276
Clean MAG (metal active-gas) transistor-pulse welder, Mitsubishi Electric product 2−23813
DC, advances in semiconductor technology and welding equipment manufacturing trends 2−23811
device for the automatic heat treatment of butt joints in steel wire 2−28277
electron beam, with rotating chambers 2−28275
electron-beam gas discharge welding gun technological lines 2−23807
flexible modularly constructed welding machine for high speed assembly of tape segment contacts 2−5398
Migatronic welding machine, design and development 2−13111
plasma MIG welding, new torch and starting method *(Dutch)* 2−13112
preview control of welding torch tracking 2−18814
rotating machine for welding in high vacuum and cryotechnique *(German)* 2−18804
spot welding machine with multielectrodes, for building ships decking 2−28300
US welding of plastics for electronic packaging 2−17614
wetting
electrowetting optical switch for multimode optical fibres 2−25545
MHD convertors, liquid-metal, effect of void fraction nonuniformity, in presence of wetting layer, on convertor performance 2−4375
SOS wafer, electrical interconnection form. in laser-drilled hole array 2−1008
γ-Fe_2O_3, acicular, prep. with antisintering agents, mag. and rheological props. 2−15106
whiskers (crystal)
Schottky-barrier diodes, whisker pointing technique for micron-size contact 2−25185
CdS single crysts., evaporation and formation of negative whiskers 2−19401
Si, thermoanemometer sensor for low flow speed meas. 2−16949
whistlers
see also ionospheric electromagnetic wave propagation; magnetospheric electromagnetic wave propagation
excitation by helical wave struct. 2−10515
low latitude whistlers, propag. mechanism, goniometric direction finding obs. 2−10478
magnetosphere VLF wave injection, whistler mode sideband generation 2−2140
medium latitude whistlers, propag. characts., direction finding obs. 2−15694
propagation expts. using magnetized plasma device *(Japanese)* 2−15718
ray trajectories of EM modes radiation from inhomogeneous magnetoplasma, theory 2−10516
solar wind magnetic fluctuations and whistler mode waves props. 2−15697
trapping in ducts with tapered ends 2−15705
whistlers continued
types and occurrence rates at Srinagar 2−21097
VLF noise propagation within plasmasphere extended region 2−15693
white noise
band-limited satellite channels, convolutional code and signal waveform design 2−2764
coded 8PSK signaling performance for satellite communications, computer simulation 2−2288
covariance sequence approx. for parametric spectrum modelling 2−6436
ELF/VLF impulsive noise, anal. and modelling 2−21330
frequency standard, Rb, passive, S/N ratio and short-term stability 2−17085
linear prediction applied to medical signals 2−17341
monochromatic images smoothing by multiple frames 2−21388
optimal synchronizer synthesis for additivity disturbed flow *(German)* 2−21264
quantum filtering of Markov signals, in presence of quantum white noise 2−2232
sampled 1st-order low-pass filtered white noise, spectral distrib. 2−2327
satellite channel, transpondser nonlinearity effects on SFSK and MSK, comparison 2−2765
SCL solid state diodes, noise, current depend. 2−9607
singular perturbation results for class of stochastic control problems 2−385
slowly varying magnetic field, produces white-noise type pick-ups 2−22041
sonar signals mismatched filtering, weighted replica lengthening 2−6862
spread-spectrum multiple-access communication, slow-frequency-hopped, error probability bounds 2−6493
Tektronix spectrum analyser, white noise meas. *(French)* 2−16905
tolerance at high signal/noise ratios in a data transmission system 2−6455
VLF signals propagation simulator, above and below sea level 2−21110
Si(Li) detector, soft X-ray spectroscopy, pulse pileup detection optimisation 2−3372
wideband amplifiers
BiMOS op. amp., for low voltage operation 2−19565
bipolar wideband amplifier, on monolithic chip 2−19562
cyclotron amplifier with slow wave structure, theory 2−14586
differential, direct-coupled 2−13987
digital integrated microcircuits used for amplifiers 2−9011
HV amplifiers for plastic nuclear track detector electrochemical etching 2−27091
microwave amplifier, wideband, high gain, using GaAs FETs 2−24411
microwave amplifier output network design 2−24413
microwave circuits in TO-8 housing, based on thin-films technology *(German)* 2−14302
microwave FET amplifiers for airborne electronic warfare systems 2−5360
NMOS high-speed operational amplifier fabricated using VLSI technology 2−24407
open loop programmable amplifier, with extended freq. range 2−19561
preamplifier and signal processing filter for gas proportional detectors 2−27086
regenerative, tuning using matched adjustment of controlling elements 2−9009
RF, impedance adapting *(Rumanian)* 2−731
transimpedance low noise bipolar preamplifier design for optical receivers 2−13989
UHF active antenna with wideband two stage amplifier *(German)* 2−15767
ultrabroadband matched microwave amplifiers, LF limitations 2−24695
X-band pulsed, comprising of GaAs FETs 2−24420
GaAs FET, hybrid and monolithic broadband low-noise-and-power amplifiers using feedback techniques 2−5350
GaAs FET microwave balanced wideband amplifier *(French)* 2−19864
GaAs monolithic low-noise broad-band amplifier 2−19563
GaAs monolithic microwave circuits for broadband appls. *(German)* 2−949
GaAs, ultrabroadband monolithic amplifier 2−13978
Wiedemann-Franz law *see Lorenz number*
Wigner crystal
submicron device transport, use of Wigner distrib. function 2−25177
Wigner effect *see radiation effects*
Wigner lattice *see Wigner crystal*
Wilson cloud chambers *see cloud chambers*
Wimshurst machines *see electrostatic generators*
wind
clear air turbulence, obs. of advection by wind from Doppler radar meas. at 1290 MHz 2−7432
corona discharge from positive needle, influence 2−9817
EHV and UHV multiconductor bundles, aeolian vibration, galloping and wake-induced oscillation 2−17753
fatigue stability of high voltage aerial power lines−research and development within Cigre *(German)* 2−27529
global measurement, advanced instrumentation for remote sensing 2−22721
measurement on high radio tower 2−6348
measurement with vane mounted 3-D hot-wire probes, wind tunnel tests 2−3595
middle atmosphere, VHF obs. 2−3598
natural draught cooling tower performance, which effects prediction by computerized model *(German)* 2−17954
ocean wind Ku-band radar signature, using SeaSat-A scatterometer 2−27280
overhead electric conductor, service life determ. under wind vibrations, laboratory tests *(German)* 2−27528
overhead HV conductor fatigue due to wind induced vibrations and stresses, current strategies for reduction *(German)* 2−27530
shear, radar detection system 2−26537
smog forecasting, accurate Doppler radar meas. of atmospheric speed of sound *(Russian)* 2−27275
solar modules, wind-simulation tester 2−4352
velocity in troposphere and stratosphere, remote lidar meas. 2−3591
wind characteristics over complex terrain relative to WECS siting 2−27844
wind energy *see wind power*
wind power
alternative sources of power 2−22976

wind power continued
blade configurations and performance on the Savonius rotor with application to irrigation system in Indonesia 2−18135
dairy farms, feasibility study 2−18125
Darrieus rotors, rotational interference effects 2−7794
developments in Holland *(Dutch)* 2−22803
effect of site wind characteristics/ on energy production/ 2−4001
electricity and some new energy sources *(French)* 2−22977
estimation of wind system performance and economics using unit availability criteria 2−4004
feasibility of electricity generation from wind and solar energy *(French)* 2−12543
future component of energy supply systems 2−18104
generation of electricity by wind power, research and development trends *(Japanese)* 2−4000
industrial appl. of wind energy 2−7793
integrated wind and solar powered desalination facility 2−12433
integration into large systems 2−18060
Irish national wind energy programme 2−3994
multispeed electrical generator application to wind turbines 2−18126
new elements in wind energy conversion siting 2−4002
Norwegian west coast horizontal wind samples, time series model estimation 2−18106
potential in Indian State of Orissa, case study 2−3995
power in the maritimes and Atlantic Canada 2−27597
probability distribution model for large-scale electric power generation 2−18110
prospecting by aerial surveys 2−18109
rechargeable alkaline zinc/ferricyanide hybrid redox battery for utility load levelling and solar photovoltaic/wind appls. 2−12823
speed and direction meas. station *(Dutch)* 2−27271
speed consistency, time series modelling approach 2−18105
speed height extrapolation, similarity model and modified power law model compared 2−18108
unified site evaluation system for wind energy conversion 2−4003
utilisation, current trends and future prospects 2−3837
utilisation of wind energy resources in Soviet Union 2−12569
utilization of wind/solar energy in generating electricity in Saudi Arabia 2−18134
wind characteristics over complex terrain relative to WECS siting 2−27844
windmills for developing countries, new generation *(French)* 2−12565
Na-S battery for small stand-alone solar and wind energy systems 2−12827

wind power plants
1 kW/5 kW wind-power generators using Darrieus-type turbines, testing, appls. *(Japanese)* 2−12568
3 kW wind-electric system for residential use, net energy anal. using computer-operated simulation model 2−23223
5 MW and 40 MW wind generators, design proposals 2−12569
100 kW plus wind turbine generator performance assessment, in USA, state-of-the-art report 2−27846
aerodynamic interference between two Darrieus wind turbines 2−18117
choice of generator, tests and charact. meas. methods *(Italian)* 2−18112
connection to power grid, thyristor based switchgear appl. *(Danish)* 2−23224
control policies for wind energy conversion systems/ 2−3996
curved blade turbine loading anal. 2−18118
Darrieus turbine near-wake structure 2−18119
economics of selected WECS dispersed applications 2−18115
electric control principles and system for feeding into distribution network *(German)* 2−27841
energy conversion systems simulation for electric utility appl. 2−23234
experiments in the area of windmills *(French)* 2−18111
fatigue testing 2−12576
frequency domain techniques for determining effects of new source technologies on power plants 2−17650
hybrid wind/photovoltaic concept for stand alone systems, merit anal. 2−23214
incorporation and impact in generation expansion planning 2−17671
interconnection with power supply grid having no connected hydropower, problems *(Dutch)* 2−23225
mixed photovoltaic-wind station for a village in Senegal, technical details, operation and performance 2−18086
offshore wind-energy-conversion systems 2−18116
operating experience with large wind turbines, United States 2−23230
optimum design assessment of wind power for household electricity 2−18132
oscillating wing windmill charact. 2−18122
power supply grid and small wind power plants, interconnection problems *(Dutch)* 2−23226
profitability prediction in the development of new technologies *(German)* 2−23228
reception centre cost anal., TV transposer powered by solar and wind generators 2−21950
relay station wind power generator *(Japanese)* 2−3999
residential air-conditioning system for heating and cooling, alternative power sources 2−23776
stationary flywheel energy storage, appls. study *(German)* 2−12950
turbine dynamic rotor load calc. 2−18120
turbine generators, dynamic response prediction by generalised simulation model 2−18139
turbine operational experience and potential in USA 2−23233
USA, survey 2−23232
uTRC 8-kW wind-turbine tests 2−18124
variable speed wind turbine control system 2−18138
wind energy recovery by a static Scherbius induction generator 2−12566
wind powered generators, developments since 1957, aerodynamic principles *(Italian)* 2−23227
wind-energy conversion system simulation program 2−18114
wind-energy-conversion systems at constant speed 2−7791
windmills for electrical power production, microcomputer based control *(Danish)* 2−23229

wind tunnels
aerodynamic pressure meas., using temp. stabilised Wheatstone bridge circuit 2−11991
aerospace industry test methods advances, conf., Indianapolis, IN, USA (April 1981) 2−22654
compressible flow density gradient meas., by noise deflectometry 2−11998
cryogenic, force instrumentation using strain gauge balances 2−22624
wind tunnels continued
dynamic simulation, DFVLR test facility for civil transport aircraft 2−12009
dynamic stability derivatives determ., rotary balance development and trial 2−12012
fan drives, high-power, with convertor-fed synchronous motor 2−28150
flow field meas. using US system 2−27306
helicopter rotor impulsive noise, anechoic wind tunnel expts. 2−22615
helicopter rotor testing, flow meas. using boundary layer transducer 2−12006
hypersonic facilities, hot-film static-pressure probe for surveying flow fields 2−22630
hypersonic wind tunnel, boundary layer transition sensors evaluation 2−22629
hypervelocity, flowfield surveying techniques using traversing probe system 2−11999
impulsive forces meas., using conventional strain gauge balance 2−12002
laser transit anemometer with 5 ns correlator processor 2−11994
laser velocimetry for a large wind tunnel 2−22625
microprocessor controlled laser velocimeter appl. 2−22621
mission-load simulations, Lockheed-Georgia's Load Application Systems, simulated tests developments 2−22613
multiport pressure sensor system, electronically scanned 2−11990
optimisation of operating envelope, by automatic balance protection 2−22623
power station atmospheric plumes dispersion, aerodynamic effects of large structures, wind tunnel simulations 2−17860
pressure electronic scanner 2−11992
skin friction meter, based on laser interferometer 2−12007
Space Shuttle testing in NASA-Ames wind tunnels 2−12000
supersonic small-scale isolated inlet model tests 2−22614
support interference in static and dynamic tests 2−12005
surface pressure meas. in wind tunnel model systems, review 2−17172
surface recession meas. using projected fringe technique 2−12008
transonic, separated turbulent boundary layer in supersonic flow obs. by laser anemometer 2−11997
transonic turbomachinery blade cascades testing 2−12011
velocity measurements at the high-speed wind tunnel TVM 150/ using a laser Doppler anemometer/ 2−3538
wake behavior in the presence of free stream turbulence 2−18000

wind turbines
1 kW/5 kW wind-power generators using Darrieus-type turbines, testing, appls. *(Japanese)* 2−12568
100 kW plus wind turbine generator performance assessment, in USA, state-of-the-art report 2−27846
2000kW experimental wind turbine at Boone, USA, local residents' problems 2−3993
aerodynamic interference between two Darrieus wind turbines 2−18117
blade configurations and performance on the Savonius rotor with application to irrigation system in Indonesia 2−18135
comparison of field and wind-tunnel Darrieus wind-turbine data 2−18129
curved blade, loading anal. 2−18118
dairy farms, feasibility study 2−18125
Darrieus rotors, rotational interference effects 2−7794
Darrieus turbine near-wake structure 2−18119
Darrieus wind turbine for electrical power generation 2−7790
design considerations for small wind energy conversion and storage systems 2−18136
diffuser-augmented, blade element computational anal. 2−18803
DOE/Sandia, 17 m diameter, vertical axis, aerodynamic performance 2−3997
dynamic rotor load calc. 2−18120
economics of large wind turbines 2−18141
economics of selected WECS dispersed applications 2−18115
feasibility studies of spoiler and aileron control systems for large horizontal-axis wind turbines 2−27845
generator resynchronisation methods 2−7792
generators, dynamic response prediction by generalised simulation model 2−18139
horizontal axis, axisymmetric, large size, dynamic stability and economic viability 2−18130
industrial appl. of wind energy 2−7793
institutional and environmental factors affecting the development of wind turbines 2−18140
microcomputer controlled generator, developments and appl. *(Japanese)* 2−3999
multispeed electrical generator application to wind turbines 2−18126
new elements in wind energy conversion siting 2−4002
noise meas. methods 2−11683
operating experience with large wind turbines, United States 2−23230
operational experience and potential in USA 2−23233
optimum design assessment of wind power for household electricity 2−18132
oscillating aerofoil Darrieus, charact. 2−18123
oscillating wing windmill charact. 2−18122
performance testing of a Savonius windmill rotor in shear flows 2−12575
potential dynamic impacts of wind turbines on utility systems 2−18113
power projects, USA 2−3998
Savonius rotor shielding aerodynamic performance 2−12574
simulation model analytical solution 2−27840
systems dynamics, control and analysis of large size units 2−18131
teetered, tip-controlled 100 kW wind turbine rotor: preliminary test results 2−27843
television interference effects 2−23231
uTRC 8-kW wind-turbine tests 2−18124
variable speed wind turbine control system 2−18138
vertical and horizontal, aerodynamic performance anal. 2−18127
vertical axis cyclogiro type wind turbine with freely hinged blades 2−18133
vertical-axis wind turbine sailwing aerodynamics, wind-tunnel tests 2−18107
wind turbines for irrigation pumping 2−18121
wind-energy conversion system simulation program 2−18114

winding (process)
wet winding technique with ceramic material for superconducting mag. construction 2−18988

windings
see also coils; machine windings; transformer windings
electric machine winding temp. rise calc. algorithm 2−4043
helical, LF circular cylindrical induction devices analysis 2−9254

windings continued
HV induction motor stator windings heating calc. 2−4214
induction motor PAM winding saturation effect 2−4205
mutual inductance between two spatial polygonal conditions *(German)* 2−5385
superconducting windings, epoxy-impregnated, training mechanism 2−5977
UHV transformer switching overvoltage, partial discharges calc. *(Croatian)* 2−14323

wire telegraphy *see carrier telegraphy*

wire telephony *see carrier telephony*

wireless *see radio*

wires (electric)
see also conductors (electric); insulated wires
bifurcation electric wires 2−5390
Dainichi Nippon Cable Ltd. SCR and DIP Cu wire rods, charact. and drawability *(Japanese)* 2−9257
effects of gold-plating additives on semiconductor wire bonding 2−18993
electrolytic wire polishing, brightening 2−13114
noise reduction in wire industry, using compact absorbers 2−8259
polypropylene coatings for prevention of corrosion in wire processing 2−24749
selfshielded electron processor, for extrusion coat wire appl. 2−18994
vaporisation following source region EM pulse, effect on power lines 2−27512
wire lifting with material handling bucket trucks 2−27538
Cu and Al wires in wire-wrap and slit-clamp connectors on printed board, contact charact. *(German)* 2−14364
Cu wires, Su and Ni plated, electron emission study using flash X-ray spectrum 2−14560

wiring
see also building wiring; printed circuits
aircraft instrumentation system installation, practical aspects 2−17489
application of copper-wire conductors and cables to electric wiring systems *(Russian)* 2−3754
board prototyping systems 2−9261
changes concerning co-ordination of cartridge fuse and cable ratings, UK wiring regulations 2−53
connectivity and wirability in logic IC packages 2−24483
electrical wiring−commercial, book, revised edition 2−23951
flexible printed wiring, laser welding to connectors 2−974
flexible printed wiring board interconnection using gold dot system, airborne electronics appls. 2−14378
IC packaging panels, socketing for chip carriers, stitch-wire and BONDEX solder reflow for discrete wiring of PWBs 2−14377
IEE Regulations for electrical installations, 15th Edition, overview 2−44
IEE wiring regulations, back-up protection in final circuits 2−22949
IEE wiring regulations, changes 2−23948
industrial connectors 2−9274
isolation and switching, wiring regulations in United Kingdom 2−4607
Josephson technology, engineering change wiring modifications 2−15247
LSI packaging, tape automated bonding and ceramic chip carriers, interconnection 2−13297
LV electrical equipment wiring regulations and international fusegear standards. 2−7952
military aircraft instrumentation installation, sneak analysis appl. 2−17500
multiwire board technology 2−13295
Multiwire boards with metal core, fabrication methods, advantages 2−14469
Multiwire technique 2−973
Multiwire technology, combination of print-and-etch with computer-aided NC wire placement 2−8262
NC-based CAD/CAM wire wrapping 2−978
new wiring regulations, effects on designer and specifier, UK 2−4608
new wiring regulations for protection against indirect contact electric shock, UK 2−45
new wiring regulations for protection against indirect contact, United Kingdom 2−52
PCB interconnection in digital computers, cable consideration as transmission line 2−13296
PCB wiring plane design 2−19946
program vias at standard hole locations to increase card wirability 2−19945
reference information on interconnections 2−5419
wire ribbon dispensing tool, used for dispensing wire on substrate 2−19910

wiring diagrams *see circuit diagrams*

wood
cogeneration boiler design for bark and waste wood combustion 2−23130
energy from wood, technical and economic viability, fouteen industrial case studies 2−3836
energy resource, availability, charact., conversion 2−22978
fuel processing methods, economic assessment 2−7604
logging residues as energy source, feasibility study 2−7605
power stations using forest residues, feasibility study 2−18002
refuse-fired spreader-stoker furnace, revised overfire air injection system 2−17949
timber boards automatic squaring using U880 type microcomputer *(German)* 2−3276
transportation fuels from wood, production methods 2−4435
wood gasification system for electricity production 2−17942

wood processing
see also paper industry
furniture making CAD development in France 2−23840
lumber drying, solar dehumidification technique 2−18826

word processing
see also data preparation; text editing; typewriters
integrated display/printer equipment for the office of the future 2−16869
integrated electronic office systems, effects on users 2−26183
integrated word processing, archiving and document retrieval system 2−16188
Megadoc electronic filing system, laser recording on digital optical disc electronic office appl. *(Dutch)* 2−6282
nonimpact printers in word processing, electronic mail, DP and electronic printing and publicity 2−15638
office communications perspectives *(German)* 2−21420
office systems, techniques for meas. effect of electronic office systems on users 2−16252

word processing continued
SIGA teleprinter station tests *(Swedish)* 2−26236
Swedish and West German teletex services compared *(Swedish)* 2−21471
teletex internal office message system prospects 2−21470

work function
see also electron emission; Schottky effect
copper phthalocyanine-metal junction Schottky barrier, photovoltaic effect 2−14695
Schottky barriers, work function model 2−20132
solar cells, MIS junction, low work function metals semitransparent films props. 2−23449
thermionic cathodes, oxide-type, poisoning and reactivation processes in polycrystalline mixed oxides 2−1093
thermionic cathodes turn-on after shelf-storage, work function and gas desorption studies 2−1092
thermionic converters, arc mode, positive pot. jump at collector 2−12935
thermionic dispenser cathodes, scanning Auger and work-function meas. 2−1090
BaO on Ir, orientation depend. of work function for thermionic cathodes 2−1088
BaO single cryst. films, poisoning and reactivation processes in oxide-type cathodes 2−1094
GaAs photocathode with neg. electron affinity, photoelectron spectra 2−9355
GaAs surface, (110), Fermi level pinning, contact pot. difference and surface photovoltage topography study 2−1181
n-GaAs surface, light-induced changes of oxidation potential for temps. between 150 and 410K 2−1188
$Ga_{0.9}In_{0.1}As$ photocathode with neg. electron affinity, photoelectron spectra 2−9355
Ge-GaAs n-n heterojunction, electron transport 2−5603
Os-W alloys for improved M-type cathodes 2−1086
Si (111)-Ga(Sb) interface Schottky barrier formation 2−25071
W cathodes, with alkali metal additives, field emission props. 2−24856
WSi_2 interconnection for VLSI circuits 2−15020
Zr/W thermal field electron source, performance 2−1096

work hardening
see also cold working
steel linear design for nuclear reactor containment vessel 2−7661

workers *see personnel*

wrapping *see packaging*

Wratten filters *see optical filters*

X-ray absorption
see also X-ray absorption spectra
low energy photons self-absorption, method for correction 2−11820

X-ray absorption spectra
see also EXAFS
No entries

X-ray analysis
see also electron probe analysis; X-ray chemical analysis; X-ray crystallography; X-ray diffraction examination of materials; X-ray spectroscopy
energy-dispersive X-ray anal., conf., Gaithersburg, MD, USA (April 1979) 2−23893
RAM package, SEM/EDAX and optical microscopy analysis of particle impact noise detection (PIND) test failures 2−14945
$CuInS_2$, growth on GaP substrate, by chem. vapour deposition 2−5019

X-ray apparatus
see also biomedical equipment; X-ray crystallography apparatus; X-ray monochromators; X-ray spectrometers; X-ray tubes
airport luggage inspection using X-rays 2−24016
collimators and X-ray generators, semi-automatic and automatic, operational charact., Medicor works 2−17369
filter windows, mass absorpt. coeffs., 0.02 to 10 keV 2−17319
gastrointenstinal X-ray exam. unit, Medicor works 2−17368
generator development trends 2−17365
image transmission system, qualifying measurements in the Medicor works 2−17364
instantaneous-action TV image dissectors and applications 2−26778
Lixiscope, NDT appl. 2−5055
Maximus TM 100: a generator with fast dose-rate control 2−3477
microscope, X-ray source, gas puff Z pinch 2−25276
multiple foil bremsstrahlung sources, theoretical and expt. studies 2−17207
photocathodes, quantum efficiences 0.02 to 10 keV 2−17319
Polyphos 300, medium-freq. X-ray generator 2−3466
pulsed generator, of monochromatic X-rays 2−17318
radiography, intensifying screen material, atomic mass effects *(German)* 2−13901
small angle scattering profiles measured with position sensitive detector, quantitative anal. 2−22515
stress analyzer for residual stress meas. 2−22454
transformer design and anal., biomedical appls. 2−17323
TV system, resolution and transmission problems 2−17366
ultrasoft X-ray source for channeltron calibration 2−3349
urologic X-ray equipment range, Medicor works 2−17367

X-ray applications
see also radiation therapy; radiography
airport luggage inspection using X-rays 2−24016
computed tomography, imaging, image reconstruction and equipment, review *(Japanese)* 2−11896
film dosimeters, filtered X-ray set for calibration *(Bulgarian)* 2−7349
hot-strip mills, steel plate profile meas. using X-ray thickness gauge 2−26750
industrial product safety and quality check 2−4671
lithography, evaluation of pattern registration accuracy 2−9708
lithography, wide-range alignment system 2−25300
lithography exposure machines, viewpoint on development, Si IC manufacture 2−5789
lithography for MOS device fabrication 2−20402
lithography system at Bell Laboratories for IC development and manuf. 2−9712
lithography system for submicron VLSI techniques *(Japanese)* 2−25112
microelectronics, lithography appls. and limitations 2−5785
real-time TV images formation, using point-source X-ray technique 2−22158
stress analyzer for residual stress meas. 2−22454
stress meas., using non η corrected side inclination method *(Chinese)* 2−17182

X-ray applications continued
submicron lithography, X-ray replication system *(French)* 2−25123
therapy, improvement of small-field penumbra and dose distribs. for a 4 MV accelerator 2−22568
VLSI circuit mask production techniques and machines used *(Swedish)* 2−25283
Si(110) anisotropic etching and shadowing techniques for fabrication of X-ray masks 2−25298

X-ray astronomical observations
see also X-ray sources (astronomical)
No entries

X-ray astronomy
see also X-ray sources (astronomical)
Einstein satellite and X-ray telescopes (book) 2−11130
Hakucho cosmic X-ray satellite, instrumentation and performance 2−3445
photoelectric array detectors for use at XUV wavelengths 2−16989
Very Large Area Spectroscopic Proportional Counter 2−3447

X-ray characteristic temperature *see Debye temperature*

X-ray chemical analysis
see also electron probe analysis; X-ray diffraction examination of materials; X-ray fluorescence analysis
energy-dispersive light element X-ray anal., use of Si(Li) windowless detectors 2−27066
energy-dispersive X-ray spectrometry using HgI_2 detectors 2−27104
energy-dispersive X-ray spectrometry using windowless Si(Li) detectors 2−27067
Heidelberg proton microprobe using 6 MV tandem Van de Graaff accelerator 2−11702
particle induced X-ray emission anal. appl. to analytical problems 2−11882
pulverized coal ash, chimney solids and trace elements from 500 MW boiler stack, energy dispersive analysis appl. 2−23098
semiconductor characterisation problems, chem. analysis techniques, capabilities and limitations 2−9538
thermionic cathodes emission carbonate crystallite and oxide cathode performance in electron tubes 2−1099
Nb_3Sn composite-processed, alloying addition effect on comp., growth rate and supercond. props. 2−9883

X-ray crystallography
For results of structure analysis see crystal atomic structure
see also X-ray crystallography apparatus; X-ray crystallography calculation methods; X-ray crystallography technique
No entries

X-ray crystallography apparatus
see also goniometers; X-ray diffractometers; X-ray monochromators
double-crystal X-ray topography, automatic flank controller 2−7307
MWPC, high-resolution for small-angle X-ray diffraction 2−17245
safety shutters, for X-ray source, fail-safe design 2−27101
synchrotron radiation uses at DESY 2−7304

X-ray crystallography calculation methods
No entries

X-ray crystallography technique
multiple diffr. technique, for heteroepitaxial layers characterisation 2−576

X-ray detection and measurement
see also X-ray spectrometers
channel electron multipliers arrays for solar X-ray spectrometer/spectroheliograph, props. 2−17316
diagnostic backscatter measurement by an ion chamber method 2−27141
diagnostic X-ray machine, exposure meas. solar cell appl. 2−27221
energy dispersive detectors, bibliography (1981) 2−23894
energy-dispersive X-ray anal., conf., Gaithersburg, MD, USA (April 1979) 2−23893
film/screen systems, modulation transfer function, math. modelling 2−17315
flux density meas. from mixed γ-ray field using scintillation counter 2−7281
gas detector with HF field, coordinate, UV and X-ray photons detection 2−3393
graphite crystal point-focusing spectrometer for low energy X-rays 2−22512
high-voltage vacuum tubes, X-ray emission detect. and relationship to given elec. values *(German)* 2−5507
ionisation chambers, effective meas. point for in-phantom meas. with photons 2−11830
low energy photons self-absorption, method for correction 2−11820
microchannel plate read-out using graded-density electrodes 2−27043
multichannel analysers, use in solid-state X-ray detectors 2−27093
multistep avalanche chamber, design, building and testing *(Chinese)* 2−22495
MWPC, high-resolution for small-angle X-ray diffraction 2−17245
MWPC, large drift space, X-ray detect. *(Chinese)* 2−22496
nuclear emulsions, X-ray mass attenuation factor at 10-200 KeV *(Russian)* 2−17289
particle induced X-ray emission anal. appl. to analytical problems 2−11882
photocathodes, quantum efficiencies 0.02 to 10 keV 2−17319
pulsed X-rays meas., metrological provisions 2−6984
pyroelectric detectors for radiation extending between X-rays and IR, range of freq. responses from 0.1 Hz to 5 kHz *(French)* 2−1553
semiconductor detection unit, with correlation charge-sensitive preamplifier 2−7280
solid-state X-ray detectors, pulse-processing, electronic techniques 2−27092
spark counters for vacuum UV and X-ray photons meas., plasma diagnostics appl. 2−3394
spectrometers with semicond. detector, window absorpt. and efficiency loss meas., standard techniques 2−27105
superconducting X and γ ray imaging device 2−7279
synchrotron X-ray experiments, detection apparatus *(Japanese)* 2−7283
thermoluminescent dosimeter, LiF powder, deexcitation meas. instrument 2−11812
ultrasoft X-ray source for channeltron calibration 2−3349
Ar-ethane (methane) mixtures props. in proportional counters 2−11782
Ge intrinsic detectors, photon response calc. up to approx. 300 keV 2−3373
Ge X-ray detector, comparison with Si(Li) detector 2−27065
Ge(Li) detectors for X-ray spectrometry 2−27064
HgI_2 detectors for energy-dispersive X-ray spectrometry 2−27104

X-ray detection and measurement continued
LiF TLD, relative thermoluminescent response of 4 keV X-rays to ^{60}Co γ-rays 2−11972
Si(Li) detector, soft X-ray spectroscopy, pulse pileup detection optimisation 2−3372
Si(Li) detectors, efficiency for low X-ray energies 2−27068
Si(Li) detectors for X-ray spectrometry 2−27064
Si(Li) windowless detectors for energy-dispersive light-element X-ray anal. 2−27066
Si(Li) windowless detectors, props. and appls. for energy-dispersive X-ray spectrometry 2−27067
Si(Li) X-ray detector, comparison with Ge detector 2−27065

X-ray diffraction
see also X-ray crystallography; X-ray diffraction examination of materials; X-ray diffractometers; X-ray scattering
No entries

X-ray diffraction examination of materials
for results of crystal structural analysis see crystal atomic structure
see also X-ray chemical analysis; X-ray diffraction examination of microstructure; X-ray diffraction examination of molecular structure
amorphous semiconductors, pressure-induced effects and phase transitions 2−25026
carbon fibre reinforced plastics, nondestructive testing and fatigue behaviour 2−8859
$Ga_xIn_{1-x}P$-GaAs heterostructures, luminesc., effect of mismatch between lattice consts. and thermal expansion coeffs. 2−6100
mica crystals, structural props. under dielec. load 2−1466
Nylon 11 films, γ-form, piezoelectricity X-ray studies 2−9818
quartz crystals, structural props. under dielec. load 2−1466
stress meas. 2−626
Al_2O_3 crystals, structural props. under dielec. load 2−1466
$Bi_2Te_{2.88}Se_{0.12}$, extruded, elec. props. and struct. 2−20118
Cd_3As_2 amorphous films, structural, electrical and thermoelectric props. 2−14665
CdO-(PbO-CdO-BaO-B_2O_3 glass) thick film resistors, X-ray and microscopic investigations 2−5485
CdS-S coevaporated thin film prep. and cryst. props. 2−19440
Co-Cr films for perpendicular mag. recording, opposing targets sputtering deposition 2−13834
Co-Cr films with perpendicular magnetic anisotropy, RF sputtering prep., coercivity and X-ray orientation 2−15126
Co-Cr perpendicular recording medium by vacuum deposition, mag. and struct. props. 2−15127
Cu_xS-CdS thin-film heterostruct. solar cell, struct. and phase studies by X-ray diffr. 2−23585
Fe-Pd (18 to 52.5 at.%) alloy, mag. props., by mag. meas. and X-ray diffr. 2−9866
$Ga_{1-y}Al_yAs$ heteroepitaxial layers, coherent, on-axis layers, characterisation by X-ray multiple diffr. technique 2−576
GaAs-GaAlAsP heterojunctions, lattice strain and misfit dislocations 2−14646
GaAs-metal contact interface, metallurgical and elec. props., heat treatment effects *(Chinese)* 2−14692
$Ga_{0.47}In_{0.53}As$ uniform, MBE growth with rotating sample holder 2−8801
GaSb, undoped single crystals, obs. of growth striations 2−19400
Ge_xC_{1-x} CVD coating, struct. and optical props. 2−25037
Ge_xSi_{100-x} amorphous layers, heterostruct. fabrication by solid phase growth- 2−5006
$In_{0.05}Ga_{0.95}As$-$In_yGa_{1-y}As_{1-x}P_x$-GaAs heteroepitaxial system, dislocation struct., buffer layer effect 2−19409
InP, polycrystalline, low temp. growth, elec. props. meas. 2−13810
Li_2FeS_2, cathodic material for Li secondary battery 2−18444
Li_3N thin film solid electrolytes for electrochromic devices 2−10075
$LiNbO_3$ single cryst. films, LPE growth for SAW devices 2−578
$Li_xV_6O_{13}$ cathode material, X-ray diffr. thermal anal. and mag. susceptibility 2−18432
Nb-Ge films, DC sputtering prep. and struct. rel. to supercond. props. 2−20556
$Ni_xCu_{(1-x)}Fe_2O_4$ ($0 \leq x \leq 1$) ferrites, structural and magnetic properties 2−1563
PbS photosensitive films for thermophotovoltaic appl., dip-dry process for prep. 2−18495
RuO_2-(PbO-CdO-BaO-B_2O_3 glass) thick film resistors, X-ray and microscopic investigations 2−5485
Si, Czochralski grown, internal gettering centres and SiO_x precip. nucleation 2−25159
Si, dislocation free in surface barrier detectors, cluster nonuniform distrib. effects *(Russian)* 2−14622
Si, heteroepitaxial, characterisation 2−24923
Si, impurity and defect characterisation techniques, book contrib. 2−1168
Si layers, CW laser annealed, EBIC contrast rel. to residual defects, X-ray, TEM, and SEM obs. 2−14752
Si:H, crystalline, reactive sputtering fabrication, struct. study by X-ray diffr. and optical spectra 2−607
Si-Ni(Pd)(Pt), Schottky barrier heights and silicide formation 2−9499
SiC layer epitaxial growth by sublimation sandwich method, struct. defects 2−19406
SnOx, amorphous spray coating, elec. and optical props. 2−20104
$SnSe_2$, occurrence of polytypism 2−5591
TiN film, oxidation kinetics in dry O_2 2−15011
V_6O_{13} cathode material, X-ray diffr. thermal anal. and mag. susceptibility 2−18432
V_3Si, defect structures determ. by ion channelling and X-ray diffr. 2−25442
ZrO_2 thin films for solid electrolyte fuel cells by RF sputtering 2−12836

X-ray diffraction examination of microstructure
film, semiconducting, struct., X-ray diffr. study 2−24338
Al wire connections, mechanism of high resistance junction form. obs. 2−1009
In_2O_3 film, semiconducting, struct., X-ray diffr. study 2−24338
Mo-Si contacts, P ion implantation effects 2−5628
Si, laser damage gettering and lifetime improvement appl. 2−9406
Si on sapphire, low-density defect 2−24924
Si, polycrystalline, X-ray tropography and photoresponse of grain boundaries, solar cell appls. 2−23625
Si:P implanted wafer, multiscanning electron beam annealing, solar cells appl. 2−14614
TiB_2 film electrode behaviour in Si vacuum deposited thin film solar cell 2−28113

X-ray diffraction examination of microstructure continued
$TlBiSe_2$-PbSe, phase diagram, electrophysical props. 2−5585
WSi_x-Si:P annealing behaviour, effect on MOSFET IC device fabrication 2−5820
X-ray diffraction examination of molecular structure
X-ray microscope of living tissue, focusing system *(French)* 2−17371
X-ray diffractometers
energy dispersive X-ray diffraction stage for analysis of high pressure polycrystalline specimens using synchrotron radiation 2−11691
longitudinal stresses in stainless steel pipes, meas. by X-ray diffraction stress analyser 2−17139
two-axis diffractometer for synchrotron X-rays at DORIS 2−22511
X-ray effects
cables filled with small residual gaps, dielectric conductivity effects at high fluence 2−14330
EM damper and ferrite isolated data link for SGMP testing 2−17466
HEXFET power supply, X-ray dose tolerance 2−24393
integrated Schottky logic ccts., radiation response 2−14060
missile, external SGEMP reponse, in X-ray deposition region 2−25982
MOS capacitors, radiation-produced flatband voltage shift, photon energy effect meas. 2−14706
satellite cables response to system-generated EM pulse 2−14329
satellite power system X-ray response, anal. and test methodology 2−17450
satellite system-generated EM pulse simulation fidelity criteria 2−17464
solar cell transient electrical response to X-ray bursts 2−23506
Teflon, dielectric charging, straggling and soft X-ray irradiation effects 2−21016
UV EPROM erasure in flash X-ray and Co^{60} total dose environments 2−14110
GaAlAs p-n junction characters., effect of X-ray irradiation *(Russian)* 2−14687
GaAs p-n junction characts., effect of X-ray irradiation *(Russian)* 2−14687
GaAs-metal-semiconductor FET, transient radiation study 2−14869
X-ray emission spectra
see also conversion electron spectra
track detector using nuclear emulsion, plasma diagnostics appl. 2−3414
X-ray fluorescence analysis
coating thickness gauging method using X-ray fluorescence 2−8862
energy dispersive detectors, bibliography (1981) 2−23894
impurity profiles, determ. of centroid depths 2−25149
portable apparatus for minerals exploration *(Chinese)* 2−22714
X-ray fluorimetry *see X-ray fluorescence analysis*
X-ray lasers
No entries
X-ray monochromators
No entries
X-ray photoeffect *see X-ray photoelectron spectra*
X-ray photoelectron spectra
semiconductor characterisation problems, chem. analysis techniques, capabilities and limitations 2−9538
$Cd_xHg_{1-x}Te$, molecular beam epitaxy on CdTe 2−580
CdS-Cu_2S, solar cell, depth profiling 2−4347
CdS-metal interface, reactive interdiffusion and electronic barriers, reactive interlayer control of Schottky barrier height, photoemission study 2−20136
CdTe, molecular beam epitaxy on CdTe (100) and (100) 2−579
CuO film, exoelectron emission 2−5506
GaAs surface, thin native oxide covered, interfacial chemical reactivity of metal contacts 2−5630
Ge-Se:Ag films, photo and electrochem. doping, AES and XPS study 2−25145
HgCdTe, anodic oxide and ZnS passivant films, substrate interaction, XPS and ion sputtering meas. 2−9582
InP-metal interfaces, atomic and electronic struct., XPS and elec. meas. 2−5631
Nb-Pb thin film Josephson jucntions, AES, XPS investigation 2−9914
NiO film, exoelectron emission 2−5506
Si, amorphous films, compositional and structural characterisation techniques 2−25021
Si_3N_4-Si, ion beam synthesised passivating layers, XPS study 2−25154
W dispenser cathode, impregnated, electron spectroscopic investig. 2−1089
ZnO-Bi_2O_3 varistor, XPS obs. of surface layer effects on electronic props., intergranular layer form. 2−5375
X-ray photography *see radiography*
X-ray production
see also X-ray tubes
HV generator, 90-200 kV, beam quality determ. using pn junction *(French)* 2−27102
Polyphos 300, medium-freq. X-ray generator 2−3466
pulsed X-ray generator, monochromatic 2−17318
Z pinch, gas puff, X-ray source, lithography and microscopy appl. 2−25276
X-ray protection *see radiation protection*
X-ray reflection
No entries
X-ray scattering
see also Compton effect; X-ray diffraction
diagnostic backscatter measurement by an ion chamber method 2−27141
medical X-ray Compton scatter imaging/ using a high speed flying spot X-ray tube/ 2−3470
small angle scattering profiles measured with position sensitive detector, quantitative anal. 2−22515
X-ray sources (astronomical)
see also X-ray astronomical observations
No entries
X-ray spectra
see also X-ray absorption spectra; X-ray chemical analysis; X-ray emission spectra
W, X-ray fluorescence spectra, least squares anal., Si(Li) detector response function appl. 2−11801
X-ray spectrometers
see also X-ray crystallography apparatus
channel electron multipliers arrays for solar X-ray spectrometer/spectroheliograph, props. 2−17316
DESY, spectrometer for X-ray energy dispersive diffraction 2−7303
X-ray spectrometers continued
dual X-ray dispersive crystal spectrometer, design and fitting to SEM *(Chinese)* 2−17317
energy-dispersive X-ray spectrometry using HgI_2 detectors 2−27104
fluorescence spectrometers, resolution enhancement with new collimator 2−22514
graphite crystal point-focusing spectrometer for low energy X-rays 2−22512
laboratory EXAFS spectrometer for catalyst studies 2−27103
semiconductor detector, window absorpt. and efficiency loss meas., standard techniques 2−27105
X-ray spectroscopy
see also X-ray crystallography; X-ray diffraction; X-ray spectra
energy-dispersive X-ray spectrometry using HgI_2 detectors 2−27104
energy-dispersive X-ray spectrometry using windowless Si(Li) detectors 2−27067
max. power signal restoration 2−6438
paleolimnological uses 2−3615
pulse pileup detection optimisation for soft X-ray spectroscopy 2−3372
surface analysis techniques used in diagnosing relay problems 2−1001
Ge intrinsic detectors, photon response calc. up to approx. 300 keV 2−3373
Ge(Li) detectors for X-ray spectrometry 2−27064
Si(Li) detectors for X-ray spectrometry 2−27064
X-ray tubes
flying spot tube, high speed, Compton scatt. imaging 2−3470
medical revolving anode X-ray tube with a microburn trace *(German)* 2−7321
preionisation source for discharge-excited lasers 2−11883
X-rays
pulsed, monochromatic X-ray generation 2−17318
xerography *see electrophotography; reproduction (copying)*
xeroradiography *see electrophotography*
XPS *see X-ray photoelectron spectra*
yield point
see also yield strength
No entries
yield strength
steel, C, US prediction of grain size, strength and toughness 2−8883
steel, cost stainless, low temp. mech. props., appl. in Isabelle magnet tubes 2−11722
Al-Au dilute alloy for moderate-strength, high cond. appls. 2−5932
Al-Co dilute alloy for moderate-strength, high cond. appls. 2−5932
Al-Ni_3Sb dilute alloy for moderate-strength, high cond. appls. 2−5932
Be wire, high-strength, mech. props. and elec. cond. 2−611
yielding *see plastic deformation*
yielding, serrated *see serrated yielding*
Young's modulus
graphite fibre reinforced Al, US charact. of elastic const. and moduli 2−8887
refractories, elastic moduli meas. at high temp., pulse-echo meas. 2−8889
structural relaxation, US pulse-echo obs. after annealing 2−13888
thin plate, metallurgical characterization by ultrasonics 2−8886
Nb_3-Sn-Nb-bronze composites, supercond. props., stress effects 2−9906
SiC discontinuous whisker reinforced Al, US charact. of elastic const. and moduli 2−8887
Z pinch *see pinch effect*
Z transforms
see also sampled data systems
analogue signal processing using digital techniques *(German)* 2−15877
bilinear, recursive digital filter design, for real-time appl. *(German)* 2−844
inverse Z-transform of rational function of z 2−4716
Leclanche cell impedance meas. *(French)* 2−18427
reticle system anal. and simulation *(German)* 2−6446
two-dimensional chirp z-transform 2−26130
Zeeman effect
see also atomic spectra; spectral line breadth
GaAs laser cyclotron resonance, Zeeman absorpt. 2−20058
Ge laser cyclotron resonance, Zeeman absorpt. 2−20058
He-Ne Zeeman lasers, mirror anisotropy effects, Jones matrix representation 2−20803
InSb laser cyclotron resonance, Zeeman absorpt. 2−20058
Si laser cyclotron resonance, Zeeman absorpt. 2−20058
Zener breakdown *see Zener effect*
Zener diodes
avalanche breakdown phenomena, temp. variations for transistors and diodes 2−9620
balanced constant current source, using Zener diode, bipolar transistors 2−5088
epitaxial low-voltage preparation and elec. props. 2−9615
varistors for 2−5371
voltage supply emergency brake circuit including fuse and zener diode 2−689
Zener effect
see also Zener diodes
No entries
zero-gap semiconductors *see narrow band gap semiconductors*
zero gravity experiments
applications of space developments, conference, Tokyo, Japan (1980 September 22 to 27) 2−4563
biological and medical experiments in the first Spacelab *(Italian)* 2−17429
chalcogenide semiconductors, fabrication techniques 2−25027
magnetic particle capture in vacuo, rel. to mineral processing in lunar environment 2−10453
TGS ferroelectric cryst. growth on Space Shuttle, holographic recording 2−10392
Si-As-Te semiconductors, fabrication techniques 2−25027
SiH_4 pyrolysis in free-space reactor, Si production for low-cost solar arrays 2−20069
zeros *see poles and zeros*
zone plates (optical) *see optical zone plates*
zone refining
No entries
zoosemiotics *see biocommunications*

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